

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 6.30 35

Readme

2022年5月

1. はじめに

このたびは、日立アドバンスサーバ HA8000V シリーズをご利用いただき誠にありがとうございます。
ご使用になる前に、必ず本内容をご確認ください。

1.1 他社所有名称に対する表示

Microsoft および Windows Server は、米国 Microsoft Corporation の米国およびその他の国における登録商標または商標です。

Intel、インテル、Xeon は、アメリカ合衆国およびその他の国における Intel Corporation の商標です。

Linux は、Linus Torvalds 氏の日本およびその他の国における登録商標または商標です。

Red Hat は、米国およびその他の国で Red Hat, Inc. の登録商標もしくは商標です。

iLO は、Hewlett Packard Enterprise Development LP の商標です。

VMware は、米国およびその他の地域における VMware, Inc. の登録商標または商標です。

1.2 注意事項

- (1) 本書は改良のため、予告なしに変更することがあります。
- (2) Service Pack for HA8000V のご使用に当たっては、<CD ドライブ>¥EULA に格納された「エンドユーザー使用許諾契約書」をお読みください。
- (3) Service Pack for HA8000V に瑕疵が無いことを保証するものではありません。
- (4) Service Pack for HA8000V は、「3 適用機種及びOS」記載のプラットフォームでご使用いただけます。
- (5) 天災、人災、事故等で Service Pack for HA8000V 使用中に電源が切れますとシステム装置が正常に動作しなくなることがありますので十分に気を付けてください。
- (6) お客様は、Service Pack for HA8000V 並びに本書の全部又は一部を単独で又は他の情報等と組み合わせ、直接又は間接に以下に該当する取扱いをする場合、「外国為替及び外交貿易」の規制及び米国輸出管理規制等外国の輸出関連法規を確認し、適正な手続きを行う必要があります。
 - 輸出するとき。
 - 海外へ持ち出すとき。
 - 非居住者へ提供し、又は使用させるとき。
 - 上記に定めるほか、「外国為替及び外国貿易法」又は外国の輸出関連法規に定めがあるとき。
- (7) マニュアル『HA8000V シリーズ 重要事項および読替ガイド』には、各種マニュアルをご覧いただく際、事前にご理解いただくべき内容を記載しています。こちらも含めてご参照ください。マニュアルは『[ドキュメントポータル](#)』の「マニュアル > サーバ」-「HA8000V シリーズ」より参照いただけます。

本ファイルに含まれている、いかなるファイルの内容の全部またはその一部を、無断で掲載またはコピーすることを固く禁じます。

1.3 変更履歴

発行日	変更内容
2020年10月	初版
2021年1月	サポートデバイス追加
2021年3月	サポートOS追加
2021年7月	誤記訂正
2021年12月	誤記訂正
2022年3月	誤記訂正
2022年5月	誤記訂正

2. Service Pack for HA8000V (SPH)について

Service Pack for HA8000V(以降 SPH と呼びます)は、1 台または複数台の HA8000V サーバのファームウェア/システムソフトウェアの更新を簡素化するソリューションです。

SPH には、サーバ/コントローラ/ストレージのファームウェア/ドライバ/ユーティリティパッケージが含まれます。また、SPH に収録されている Smart Update Manager(以降 SUM と呼びます)は、更新されたファームウェアおよびシステムソフトウェアをデプロイする推奨ツールです。

SPH/SUM を使うことで、ファームウェアおよびシステムソフトウェアのオンラインアップデートが可能となります。アップデート操作を SUM に統合することにより、個々の HA8000V サーバのアップデートが迅速になり、システム全体のアップデート時間を短縮することができます。

SPH は定期的にリリースされます。最新版の SPH を使用して更新することを推奨します。

3. 適用機種及びOS

3.1 適用機種

- HA8000V/DL20 Gen10
- HA8000V/DL360 Gen10
- HA8000V/DL380 Gen10
- HA8000V/DL580 Gen10
- HA8000V/ML30 Gen10
- HA8000V/ML350 Gen10

3.2 適用 OS

- Microsoft® Windows Server® 2019
- Microsoft® Windows Server® 2016
- Microsoft® Windows Server® 2012 R2
- Red Hat® Enterprise Linux® Server 7.8
- Red Hat® Enterprise Linux® Server 7.7
- Red Hat® Enterprise Linux® Server 8.2
- Red Hat® Enterprise Linux® Server 8.1
- VMware ESXi™ 6.7
- VMware ESXi™ 6.5
- VMware ESXi™ 7.0

4. 変更内容

本章では、今回のリリースの変更内容を記載しています。

4.1 新規サポート内容

(1) 追加サポート機種及びOS

- 追加サポート機種

なし

- 追加サポートOS

➤ VMware ESXi™ 7.0

(2) 追加サポートデバイス

HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter

HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter

4.2 更新内容

『6.3 パッケージの変更内容』を参照ください。

5. 注意事項

本章では、SPH をご使用になる上で、注意頂く内容を記載しています。

5.1 ドライバ・ユーティリティなどの適用について

最新のドライバ・ファームウェア・ユーティリティなどを、「[日立アドバンスドサーバ HA8000V シリーズ ホームページ](#)」で提供しております。

各アップデートプログラムの適用についてはお客様責任にて実施していただきますが、システム装置を安定してご使用いただくためにも、ホームページの[サポート]-[ダウンロード] に定期的にアクセスして、最新のドライバ・ファームウェア・ユーティリティへ更新していただくことをお勧めします。

5.2 OS の新規・再セットアップの場合の注意事項

OS の新規・再セットアップの際、初回の SPH 適用では、ファームウェアコンポーネントを除外し、ドライバ/ユーティリティコンポーネントのインストールを先に実施してください。これにより、デバイスの検出及びファームウェアの書き込みに適切なドライバ/ユーティリティがインストールされます。ドライバ/ユーティリティのインストール後は、OS を再起動し、再度 SUM を実行してファームウェアの更新を行ってください。

SUM でファームウェアコンポーネントを除外し、ドライバ/ユーティリティコンポーネントのみのインストールを指定するには、次の手順により行います。

GUI の場合：

SUM を起動し、「展開サマリー(Deployment summary)」画面右上の[アクション(Actions)]-[アドバン

ストオプション(Advanced Options)]から「アドバンストオプション(Advanced Options)」画面を開き、「インストールオプション(Installation Options) “の項目で“ソフトウェアのアップグレード(Upgrade Software) “を選択し、“OK”ボタンを押してください。

CLI の場合：

"--softwareonly"パラメーターを使用してください。

例) # ./smartupdate --s --softwareonly

5.3 SUM によるアップデート時の注意事項

(1) ファームウェア/ドライバの依存関係について

アップデート対象のファームウェア/ドライバには依存関係を持つ場合があります。一度の SUM の実行では全て更新できない場合があります。このため、SUM アップデート後、全ての更新対象がアップデートされているかを確認してください。もし、アップデートされていないパッケージがある場合、再度 SUM を実行してください。全てアップデートされたかは、次の手順により確認できます。

GUI の場合：

SUM を起動し、「展開サマリー(Deployment summary)」画面にて、「推奨されたコンポーネント」数表示が、“0”となっていることを確認してください。

CLI の場合：

"--report"パラメーターを使用してレポート作成し、作成されたレポートを参照してください。レポート出力先は画面に表示されます。レポートを参照し、“Install Needed”の項目が、“0”となっていることを確認してください。

例) # ./smartupdate --report

(2) 適用バージョンについて

SUM を使用して更新作業を行う場合、適用対象として自動選択されるものは、新規にインストールされるもの、および SPH 収録バージョンが適用済みバージョンより新しいものとなります。

ネットワークアダプタ及びファイバーチャネルホストバスアダプタは、SPH 収録のドライバ/ファームウェアの組み合わせでご使用いただくことを推奨しています。適用済みバージョンが SPH 収録済みバージョンより新しい場合、該当コンポーネントが適用対象として自動選択されません。その場合、以下の手順で対象コンポーネントを手動で選択し、適用してください。

【手動適用方法】

SUM を起動し、「展開サマリー(Deployment summary)」画面で、「コンポーネントの選択状態」が「選択」表示(※)となっているコンポーネントを確認し、ネットワークアダプタファームウェアまたは、ファイバーチャネルホストバスアダプタのファームウェアの場合は、当該コンポーネントを選択(※)して、「展開(Deploy)」ボタンを押してください。

※：コンポーネントが選択されると、「コンポーネントの選択状態」が、「選択済み」もしくは「強制」と表示されます。

【注意】

デバイスによっては、適用バージョンに関して、個別にアドバイザリが発行されている場合があります。本ファームウェアの適用に当たっては、アドバイザリを参照してください。

(3) SUM の展開モードに関する補足説明

SUM にはいくつかのアップデート方法(展開モード)があります。展開モードにより、対象 OS/更新対象が異なりますので、下記表を参照の上、展開モードを決定してください。

SUM 展開モード		展開対象 OS(※ 1)			更新対象	
		Windows	RHEL	VMware	ファームウェア	ソフトウェア (ドライバ、ユーティリティ等)
オンライン	ローカル	○	○	—	○	○
	リモート(※2) (OS を介した アップデート)	○	○	—	○	○
	リモート(※3) (iLO レポジトリ アップデート)	○	○	○	○	○
オフライン		○	○	○	○	—

※1：ゲスト OS は対象外

※2：対象ノードにホスト OS の IP アドレスを指定した場合。

※3：対象ノードにホスト OS の iLO アドレスを指定した場合。対象ノードのホスト OS に iSUT 及び AMS のインストール・設定が必要

(4) SUM GUI での適用パッケージの選択について

SUM GUI を使用している場合、インベントリが完了すると展開(Deploy)するパッケージの確認画面が表示されます。

確認画面では、選択したSPH/ベースラインに含まれる更新パッケージのうち、対象装置に適用可能なパッケージが表示され、適用が推奨される(現在のバージョンより新しい)パッケージが展開対象として自動的に選択されます。(選択されたパッケージは、行背景が反転し「選択済み」(選択済み)または「Selected」(Selected)ボタン表示となります。ボタンをクリックすると、選択が解除され「選択」(選択)「Select」(Select)ボタン表示となります。)

自動選択されなかったパッケージは、「強制」(強制)または「Force」(Force)ボタンをクリックすることで強制的に適用対象とすることができます。(強制適用を選択した場合、行背景が反転し「強制」(強制)「Forced」(Forced)ボタンで表示されます。)

【注意】

ファームウェア/ドライバ/ユーティリティは、別途ご案内のない限り、最新のものをご使用いただくこと

を推奨しています。特に、強制適用を選択した場合、選択したバージョンが古いとダウングレードとなりますので、意図せずダウングレードしてしまうことが無いよう、操作には注意してください。

(5) Linux 環境における適用パッケージのOSライブラリ依存について

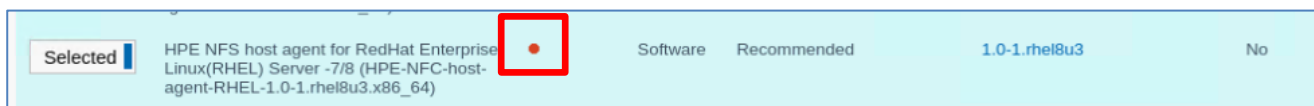
Linux 環境で利用するパッケージには、特定の OS ライブラリを前提とするものがあります。そのパッケージを適用する際、前提とする OS ライブラリが事前にインストールされていない場合、インベントリ完了後、または展開(Deploy)完了後に依存関係エラーとなります。

エラーが発生する場合、以降記述の各エラー表示例をご参照頂き、依存ファイルとして表示されるファイル/ライブラリをインストール後、再度 SPH を適用して下さい。

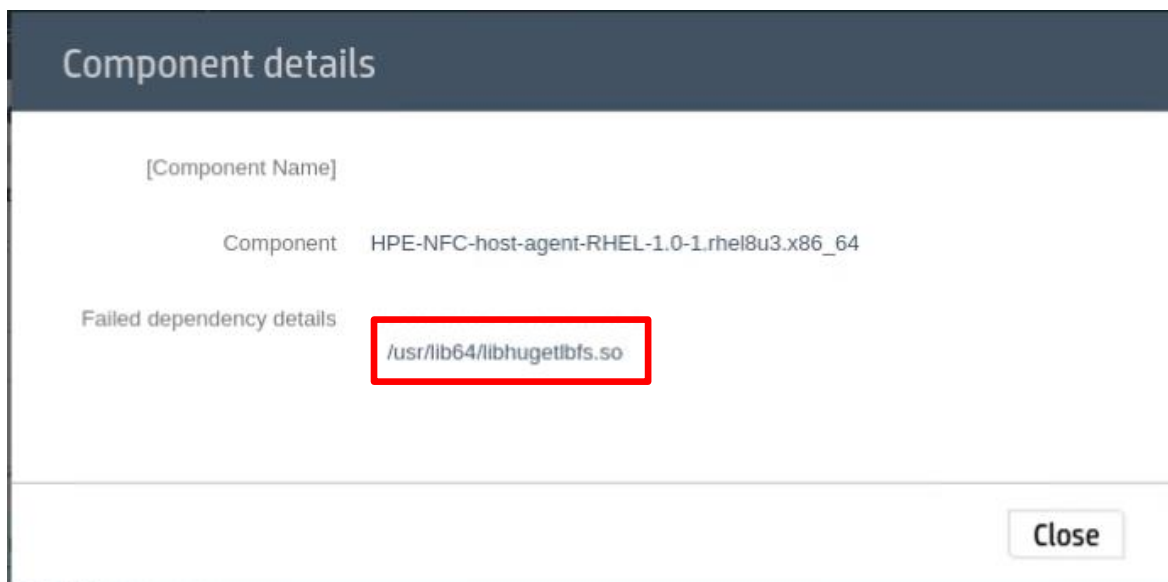
なお、依存する OS ライブラリは、依存関係解消後に新たな依存関係が発生する場合があります、その場合は依存関係エラーが解消するまで、SPH 適用を繰り返す必要があります。

【インベントリ完了後エラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。



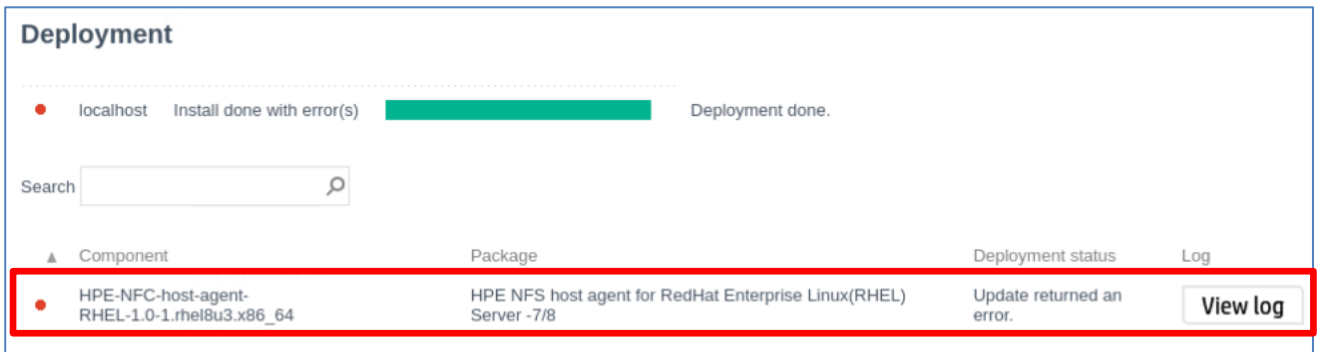
上記赤枠内の赤丸をダブルクリックすると次のダイアログが表示され、“Failed dependency details”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



上記の例では、インストールが必要となるファイル/ライブラリとして、“libhugetlbfs.so”を示しています。

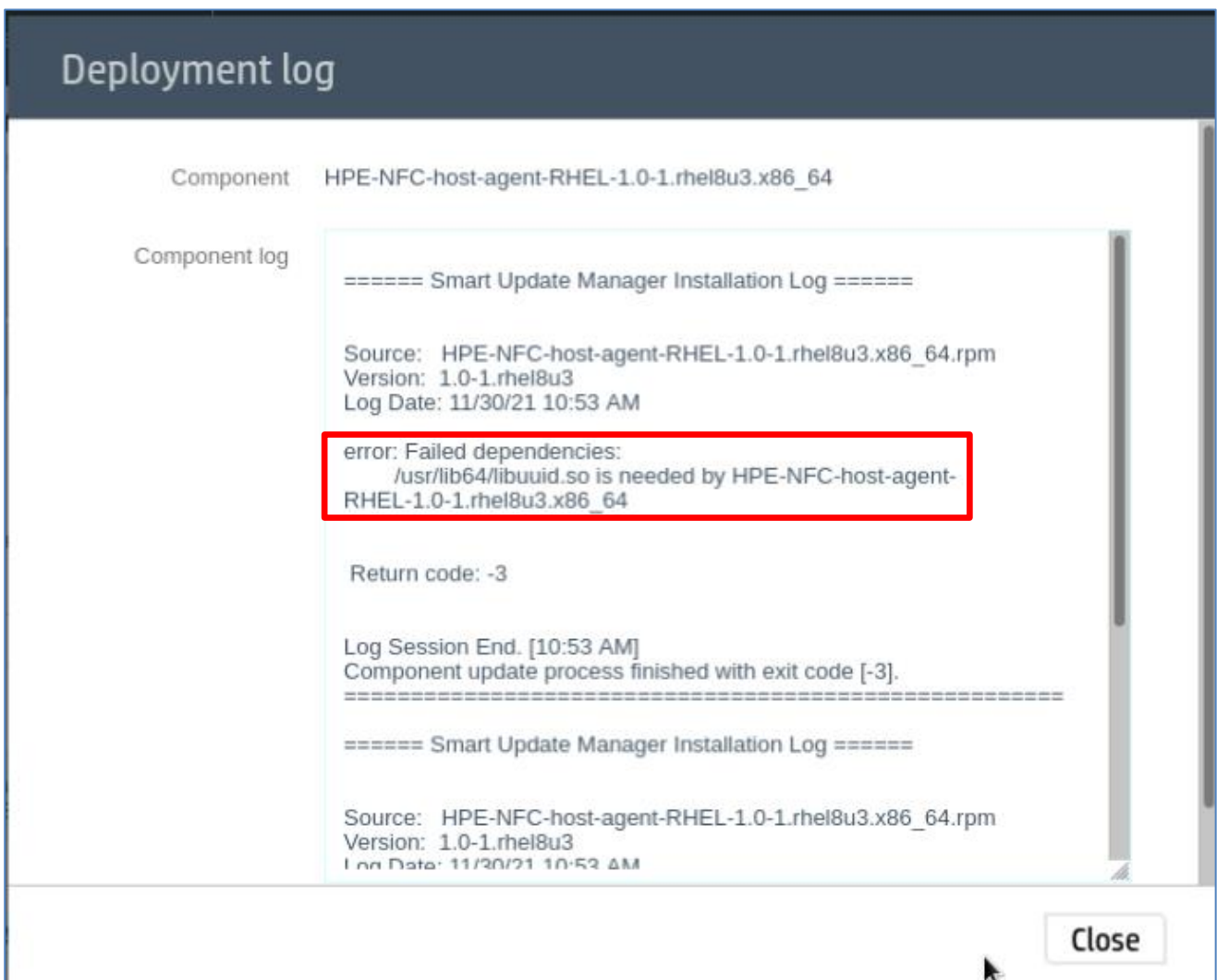
【展開(Deploy)完了後エラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。



Component	Package	Deployment status	Log
HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8	Update returned an error.	View log

上記赤枠内の“View log”をクリックすると次のダイアログが表示され、“error: Failed dependencies:”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



Deployment log

Component HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64

Component log

```
=====  
Smart Update Manager Installation Log  
=====  
Source: HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64.rpm  
Version: 1.0-1.rhel8u3  
Log Date: 11/30/21 10:53 AM  
error: Failed dependencies:  
  /usr/lib64/libuuid.so is needed by HPE-NFC-host-agent-  
  RHEL-1.0-1.rhel8u3.x86_64  
Return code: -3  
Log Session End. [10:53 AM]  
Component update process finished with exit code [-3].  
=====  
=====  
Smart Update Manager Installation Log  
=====  
Source: HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64.rpm  
Version: 1.0-1.rhel8u3  
Log Date: 11/30/21 10:53 AM
```

Close

上記の例では、インストールが必要となるファイル/ライブラリとして、“libhugetlbfs.so”を示しています。

5.4 SUMでのランゲージパックバージョン表示と適用について

SUM(Smart Update Manager)で表示される、適用中のランゲージパックのバージョンが正しく表示されない場合があります。正しいバージョンを確認するためには、iLO WEB インタフェースの[管理]>[言語]ページ

より現在適用中の言語パックのバージョンをご確認下さい。

また、この結果、SUM でランゲージパックが適用対象として正しく選択されない可能性があります。

目的のバージョンのランゲージパックが適用されていないのに、SUM 実行後の「展開サマリー」画面で、ランゲージパックが適用対象として選択されない場合があります。この場合は、ランゲージパックを手動で選択し展開を実施してください。

目的のバージョンのランゲージパックが適用済みであっても、SUM 実行後の「展開サマリー」画面で、ランゲージパックが適用対象として自動的に選択されている場合があります。この場合は、ランゲージパックの適用は不要ですので、選択を解除してから展開を実施してください。

5.5 SUM での iLO を使用したランゲージパック適用に関する制限事項

SUM で対象ノードとして、システム装置の iLO を追加(ノードの IP アドレスに iLO の IP アドレスを指定、ノードタイプに iLO を選択)した場合、ランゲージパックが対象に含まれず更新されません。ランゲージパックは別途下記方法にて更新ください。

- SUM をローカルホスト上で実行(※)
- SUM で対象ノードとしてシステム装置の OS の IP アドレスを指定して実行(※)
- iLO WEB インタフェースを使用して実行

※：対象ノードが Vmware の場合は使用不可

【iLO WEB インタフェースからの更新手順】

- (1) 以下の手順で、事前に SPH package ファイルからランゲージパックファイルを取り出してください。
Windows 上で、SPH の packages ディレクトリ下にある、『6.2.11 Firmware - Lights-Out Management』の「Language Pack - Japanese」に掲載されている“cp*****.exe”を実行してください。パッケージセットアップが起動するので「解凍」を選択し、任意のディレクトリにパッケージを展開してください。
展開したディレクトリから、“lang_ja_***.lpk”を取り出してください。
- (2) 装置のシャットダウンを行ってください。
- (3) iLO WEB インタフェースの「ファームウェア & OS ソフトウェア」タブを開いてください。
- (4) 「ファームウェアアップデート」をクリックし、「ローカルバイナリファイル」に先ほど取り出したランゲージパックファイルを指定し、「フラッシュ」を選択してください。
- (5) 2〜3 分後に完了のメッセージが表示されます。その後 iLO が自動的に再起動します。

5.6 ASR(Automatic Server Recovery)について

ASR(Automatic Server Recovery)はブルースクリーン等の致命的な OS のエラーが発生したときに自動的にシステムの復旧をするべくサーバの再起動をおこなう機能です。IP(version 3.10 以降)を使った OS のインストール又は SPH(version 3.00 以降)の適用、その他の方法による ASR ドライバのインストールにより ASR が自動的に有効になります。ASR が不要な場合や Alive Monitor、IPMI WDT 等の他の OS 死活監視を使う場合は ASR を無効化してください。

5.6.1 ASR 操作の PowerShell スクリプトの入手について

ASR の有効/無効の確認並びに切り替えは ASR ドライバのパッケージに同梱されている PowerShell スクリプトを使って行います。下記を参照して PowerShell スクリプトを入手してください。

(1) ASR ドライバのパッケージを展開します

SPH の packages ディレクトリ下にあるファイル群の中から、下表の各 OS バージョンに対応した『6.2.9 Driver - System Management』の「Package filename」欄記載のファイルを実行してください。パッケージセットアップが起動するので解凍を選択し、任意のディレクトリにパッケージを展開してください。

No.	Windows バージョン	Description
1	Windows Server 2012 R2	iLO 5 Automatic Server Recovery Driver for Windows Server 2012 R2
2	Windows Server 2016	iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019
3	Windows Server 2019	

(2) PowerShell スクリプトを確認してください

展開したパッケージの中の scripts ディレクトリ下に下記の 3 つの PowerShell スクリプトが含まれている事を確認してください。必要に応じて任意のディレクトリにコピーしてください。

Get-AsrSettings.ps1

Set-AsrPreTimeoutNMI.ps1

Set-AsrTimeout.ps1

5.6.2 ASR の確認方法

Windows の PowerShell より Get-AsrSettings.ps1 を実行してください。TimeoutInMinutes が 0 又は、コマンドの実行がエラーとなった場合 ASR は無効になっています。

```

実行例その 1(TimeoutInMinutes が 0 の場合)
PS C:\Users\Administrator\Desktop> .\Get-AsrSettings.ps1

Active           : True
EnablePreTimeoutNMI : True
InstanceName     : PCI\VEN_103C&DEV_3306&SUBSYS_00E41590&REV_07&4&154b2d14&0&00E4_0
TimeoutInMinutes : 0
PSComputerName   :

実行例その 2(コマンドの実行がエラーとなる場合)
PS C:\Users\Administrator\Desktop> .\Get-AsrSettings.ps1

Get-CimInstance : 無効なクラスです
発生場所 C:\Users\Administrator\Desktop\Get-AsrTimeout.ps1:25 文字:1
+ Get-CimInstance -Namespace "root\wmi" -ClassName "HP_iLO_ASR_Settings ...
+ ~~~~~
+ CategoryInfo          : MetadataError: (root\wmi:HP_iLO_ASR_Settings:String) [Get-CimInstance], CimException
+ FullyQualifiedErrorId : HRESULT 0x80041010,Microsoft.Management.Infrastructure.CimCmdlets.GetCimInstanc
eCommand

```

5.6.3 ASR の無効化方法

Windows の PowerShell より下記のオプションで Set-AsrTimeout.ps1 を実行してください。

Set-AsrTimeout.ps1 -Disable

実行例

```
PS C:\Users\Administrator\Desktop> .\Set-AsrTimeout.ps1 -Disable
```

5.6.4 ASR の有効化方法

Windows の PowerShell より下記のオプションで Set-AsrTimeout.ps1 を実行してください。

Set-AsrTimeout.ps1 -Default

実行例

```
PS C:\Users\Administrator\Desktop> .\Set-AsrTimeout.ps1 -Default
```

5.7 ドライバアップデート時の注意事項

ネットワークアダプタドライバをアップデートした場合、ドライバアップデート後、設定値が初期化される場合があります。ドライバアップデート前に設定値を控え、アップデート後に再設定してください。

5.8 VMware をご使用にあたっての注意事項

5.8.1 ファームウェアの適用について

システム装置を安定してご使用いただくためには、ご使用の VMware バージョンに合わせたファームウェアを適用頂く必要があります。

VMware 環境でのファームウェアの適用にあたっては、SUM のリモートオンライン 展開モード及びオフライン 展開モードが利用できます。(VMware バージョンと利用可能な SPH 及び展開モードについては、[「Service Pack for HA8000V 補足資料\(Readme\)」](#)の『サポートモデル/OS 一覧』を参照ください。)

【リモートオンライン 展開モードを使用する場合】

本モードでは、ファームウェアに加えてドライバのアップデートも可能です。

事前に「iSUT」のインストール及び ESXi ホストに対する設定が必要です。

「iSUT」が未インストールの場合、『5.8.2 iSUT のインストール』記載の手順に従ってインストールしてください。ESXi ホストに対しては、下記設定をアップデート作業前に実施して下さい。

- (1) ファームウェア/ドライバのアップデート作業を行う間は、ESXi ホストをメンテナンスモードに設定してください。
- (2) ESXi ホストをノードとして追加する場合、対象ノードとしてシステム装置の iLO を追加(ノードの IP アドレスに iLO の IP アドレスを指定、ノードタイプに iLO を選択)してください。
- (3) ファームウェア/ドライバのアップデートを有効化するためには VMware ESXi の再起動が必要です。アップデート後自動的に再起動させる場合は、再起動オプションを使用してください。

【オフライン 展開モードを使用する場合】

SPH の iso イメージを格納した媒体をサーバに取り付け、媒体よりサーバをブートします。

なお、各 VMware バージョンと SPH サポート情報の詳細は、[「日立アドバンスドサーバ HA8000V シリーズ ホ](#)

ホームページ」の[製品]→[OS、ISV 情報]にある『VMware』に掲載している注意事項をご参照の上、推奨ドライババージョンをご確認ください。

5.8.2 iSUT のインストール

VMware システムに対して、SPH/SUM を使用しファームウェア/ドライバのアップデートを行うには、ESXi ホストに iSUT をインストールする必要があります。iSUT インストール後は、リモート PC から SUM の『リモートオンライン』展開モードを使用して ESXi ホストのファームウェア/ドライバのアップデートを行うことができます。

ESXi ホストに iSUT をインストールする手順を次に示します。次のインストール手順では、データストア名を「datastore1」としています。使用環境にあわせて読み換えてください。

- (1) iSUT は SPH の packages ディレクトリに収録されています。下表に示す zip ファイルを展開し、iSUT のオフラインバンドル(sut-esxi*.*-bundle-*.*.*-*.zip)を取り出してください。

No.	VMware バージョン	SPH package ファイル名	オフラインバンドルファイル名
1	VMware ESXi™ 6.5	cp041078.zip	sut-esxi6.5-offline-bundle-2.7.0.0-36.zip
2	VMware ESXi™ 6.7	cp041079.zip	sut-esxi6.7-offline-bundle-2.7.0.0-30.zip
3	VMware ESXi™ 7.0	cp043666.zip	sutComponent_700.2.7.0.32-0-signed_component-16604702.zip

- (2) 取り出した iSUT のオフラインバンドルを VMware ESXi の「datastore1」直下へに転送してください。
- (3) VMware ESXi のコンソール画面で「F2」キーを押すと Login 画面が表示されるので、root ユーザーでログインします。
- (4) 「System Customization」画面が表示されるので、「Troubleshooting Options」を選択し、「Enter」キーを押下します。
- (5) 「Enable ESXi Shell」を選択し、「Enter」キーを押下して ESXi Shell を “Enable” に変更します。
- (6) 「Alt」+「F1」キーを押下し、VMware ESXi の Shell 画面を開き、root ユーザーでログインします。
- (7) 下記コマンドを実行しインストールします。

```
esxcli software vib install -d /vmfs/volumes/datastore1/<転送したバンドルファイル名>
```

- (8) VMware ESXi を再起動してください。
- (9) 再起動後、再度 VMware ESXi の Shell 画面を開き、root ユーザーでログインします。
- (10) 下記コマンドを実行し、iSUT を AutoDeployReboot モードに設定します。

```
sut -set mode=autodeployreboot
```

5.8.3 Management Bundle, Utilities Bundle 収録モジュールのバージョンについて

Management Bundle, Utilities Bundle には、複数の VIB モジュールが含まれています。各コンポーネントに含まれる VIB のバージョンは次の通りです。

【HPE Management Bundle Smart Component に含まれる VIB モジュール及びバージョン】

OS バージョン			VMware6.5	VMware6.7	VMware7.0		
ファイル名			cp043234.zip	cp043233.zip	cp043232.zip	cp044095.zip	cp044591.zip
VIB モジュール	amsd	Agentless Managem ent Service	650.11.6.0-12 .4240417	670.11.6.0-10 .7535516	700.11.6.0.1 7-1	—	—
	fc- enablement	Fiber Channel Enablement Package	650.3.6.0.2-4 240417	670.3.60.3-75 35516	—	2020.09.01	—
	smx- provider	WBEM Providers	650.03.16.00. 4-4240417	670.03.16.00. 3-7535516	—	—	700.03.16.00 .12-1482893 9

【HPE Utilities Bundle Smart Component に含まれる VIB モジュール及びバージョン】

OS バージョン			VMware6.5	VMware6.7	VMware7.0
ファイル名			cp043160.zip	cp043161.zip	cp043159.zip
VIB モジュール	conrep	Conrep Utility	650.10.6.0.21-6.5.0. 2494585	670.10.6.0.15-6.7.0. 7535516	700.10.6.0.6-7.0.0.1 5525992
	testevent	Test Event Utility	6.5.0.02-01.00.9.42 40417	6.7.0.02-01.00.12.7 535516	700.10.5.0.24-7.0.0. 15525992
	ssacli	Smart Storage Administrator CLI	4.21.6.0-6.5.0.4240 417	4.21.6.0-6.7.0.7535 516	—
	Bootcfg	Boot Configuration Utility	6.0.0.02-06.00.16.2 494585	6.7.0.02-06.00.14.7 535516	700.10.5.0.23-7.0.0. 15525992
	Hponcfg	Lights-Out Configuration Utility	6.0.0.5.5-0.37.2494 585	6.7.0.5.5-0.18.7535 516	700.10.5.0.25-7.0.0. 15525992

5.8.4 iLO セキュリティ設定を“高セキュリティ”にした装置で iSUT を使用する場合について
iLO を“高セキュリティ”設定にした状態で iSUT を使うためには、以下のいずれかの設定が必要です。

- ① iSUT への認証情報設定
- ② iLO のセキュリティ条件の変更(iLO FW v1.4.0 以降のみ設定可能)

① iSUT への認証情報設定

iSUT に iLO の認証情報を設定します。設定方法は、VM ホスト上で以下を実行します。

```
sut -set ilusername=<username>
Please provide the iLO password: <*****>
```

②iLO のセキュリティ条件の変更

iLO で"ホスト認証が必要"を「無効」に設定します。

iLO の Web 画面で[セキュリティ]-[アクセス設定]と画面遷移し、iLO の項目にある「ホスト認証が必要」の設定を「無効」に設定してください。

5.8.5 ドライバパラメータ再設定について

本 SPH を使用して VMware ドライバをアップデートした場合、ネイティブ ドライバが適用されます。ご使用の VMware 環境で VMKLinux ドライバをご使用の場合、ドライバが変更され、設定されているドライバパラメータが初期化されます。この問題を回避するために、ドライバアップデート後、ドライバパラメータを再設定してください。

【対象製品及びドライバ種】

下表に記載している対象製品並びにアップデート前のドライバ種をご使用の場合が対象となります。

対象製品		ドライバ種	
形名(*1)	製品名(旧品名)	アップデート前 (VMKLinux)	アップデート後 (ネイティブ)
TQ-N□□-817745-B21	Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプタ)	net-ixgbe	ixgben
TQ-N□□-817738-B21	Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562T ネットワークアダプタ)		
TQ-N□□-665240-B21	Ethernet 1Gb 4-port FLR-T I350-T4V2 Adapter(Ethernet 1Gb 4 ポート 366FLR ネットワークアダプタ)	igb	igbn
TQ-N□□-652497-B21	Ethernet 1Gb 2-port BASE-T I350-T2V2 Adapter(Ethernet 1Gb 2 ポート 361T ネットワークアダプタ)		
TQ-N□□-811546-B21	Ethernet 1Gb 4-port BASE-T I350-T4V2 Adapter(Ethernet 1Gb 4 ポート 366T ネットワークアダプタ)		
TQ-N□□-727054-B21	Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562FLR-SFP+ネットワークアダプタ)	i40e	i40en
TQ-N□□-727055-B21	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562SFP+ネットワークアダプタ)		

(*1)：□には製品構成などにより異なった英数字が入ります。

【再設定手順】

(1) ドライバパラメータの確認及び記録

ドライバのアップデート前に、以下コマンドを実行し、ドライバパラメータ値を控えてください。

```
esxcfg-module -g <driver name>
```

<driver name> : アップデート前ドライバ種

以下実行例の「option = 'yyyy」の「yyyy」に設定値が表示されますので、値を控えてください。値が表示されない場合は、ドライバパラメータは未設定ですので、以降の作業は不要です。

(実行例) net-ixgbe の場合

```
# esxcfg-module -g net-ixgbe
net-ixgbe enabled = 1 options = 'yyyy'
```

また、下記の表示となる場合、net-ixgbe ドライバは未使用ですので、以降の作業は不要です。

(実行例) net-ixgbe の場合

```
# esxcfg-module -g net-ixgbe
Unknown module name net-ixgbe
```

(2) ドライバパラメータの再設定

ドライバのアップデート前に、以下コマンドを実行し、控えたドライバパラメータを再設定して下さい。

```
esxcfg-module -s "yyyy" <driver name>
```

yyyy : 控えたドライバパラメータ

<driver name> : アップデート前ドライバ種

以下実行例の「option = 'yyyy」に控えたドライバパラメータを指定します。

(実行例) ixgben の場合

```
# esxcfg-module -s "yyyy" ixgben
```

(3) VMware ESXi の再起動

変更を有効にするため、VMware ESXi を再起動してください。

5.8.6 QLogic 製ファイバーチャネルホストバスアダプタご使用にあたっての注意事項

VMware 環境において、QLogic 製ファイバーチャネルホストバスアダプタの特定のドライバパラメータを設定している状態で SPH に収録されているドライバにアップデートすると、アダプタが認識できなくなります。

特に、SAN ブートパスに使用しているアダプタで本現象が発生した場合、OS が起動できなくなり、回復にはバックアップからのリストアが必要となります。本 SPH を用いたドライバのアップデート前に、予めパラメータ変更を行ってからドライバをアップデートしてください。

なお、デフォルトではパラメータは設定されておらず、本現象は発生しません。

パラメータ変更方法等、詳細は「日立アドバンスサーバ HA8000V シリーズ」の「製品に関する重要なお知らせ」掲載の「VMware 環境において QLogic 製ファイバーチャネルホストバスアダプタのドライバをアップデート後アダプタが認識できなくなる現象について(管理番号:CRI-2020-0005)」を参照してください。

5.8.7 QLogic 製ファイバーチャネルホストバスアダプタのファームウェアアップデートについて

本 SPH には、Qlogic 製ファイバーチャネルホストアダプタのファームウェアアップデートに対応した VMware パッケージは収録されていません。ファームウェアのアップデートは、SUM オフライン機能を使用してアップデートしてください。

5.8.8 リモートオンライン 展開モードをご使用時の注意事項

本モードをご使用の際は、iLO が Agentless Management Service(AMS)に接続している必要があります。iLO が AMS に接続していない場合、適用可能なコンポーネントにソフトウェア/ドライバパッケージが追加されません。

iLO と AMS の接続状態を確認するには、iLO WEB インタフェースの[システム情報]>[概要]ページを開き、サブシステムおよびデバイスの Agentless Management Service のステータスを確認して下さい。

【iLO が AMS に接続している場合】

↑サブシステムおよびデバイス	ステータス
Agentless Management Service	✔ OK

【iLO が AMS に接続していない場合】

↑サブシステムおよびデバイス	ステータス
Agentless Management Service	① 利用不可能

iLO が AMS に接続していない場合、以下の手順を実施し、再度 iLO と AMS の接続状態を確認して下さい。

- 装置電源 OFF(ESXi ホストシャットダウン)
- 装置電源ケーブルの抜き差し
- 装置電源 ON(ESXi ホスト起動)

5.9 SUM オフライン展開モードご使用時の注意事項

SUM オフライン展開モードでは Secure Boot をサポートしておりません。Secure Boot 設定は Disabled に設定の上ご使用ください。

SPH の ISO イメージを、iLO 仮想メディアデバイスにマウントして SUM のオフライン展開モードご使用の場合、iLO の『ネットワークインターフェイス設定』が『共有ネットワークポート』構成となっていると、SUM の起動途中でエラーになることがあります。

iLO の『ネットワークインターフェイス設定』を『共有ネットワークポート』構成でご使用の場合、ISO イメージを書き込んだ媒体をご用意いただき、内蔵もしくは USB 接続の DVD ドライブを使用して SUM のオフライン展開モードを起動してください。

【注意】

DL20/ML30 では、iLO の『ネットワークインターフェイス設定』のデフォルト設定が『共有ネットワークポート』となっています。SUM オフライン展開モードご使用時は、SPH ISO イメージを書き込んだ媒体から起動してください。

5.10 Intel 製ネットワークアダプタご使用について

Intel 製ネットワークアダプタをご使用になる場合、下表記載の SPH に収録されているファームウェアバージョンは、ダウングレードには対応しておりません。

形名(*1) or 搭載システム装置	製品名(旧品名)	ファームウェアバージョン
TQ-N□□-817745-B21 TQ-N□□-817738-B21	Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプタ) Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562T ネットワークアダプタ)	10.51.3
TQ-N□□-727054-B21 TQ-N□□-727055-B21	Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562FLR-SFP+ネットワークアダプタ) Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562SFP+ネットワークアダプタ)	10.51.5
HA8000V / ML350 Gen10 オンボード NIC	Ethernet 1Gb 4-port 369i ネットワークアダプタ	1.2529.0

(*1)：□には製品構成などにより異なった英数字が入ります。

5.11 Windows 環境における QLogic 製ファイバーチャネルホストバスアダプタのドライバとファームウェアについて

QLogic 製ファイバーチャネルホストバスアダプタを Windows 上でご使用になる場合、SPH に収録されているドライバとファームウェアの組合せで、リンクダウンが発生した場合にパス冗長化ソフトウェアによるパス交替が出来ない等の問題が発生する可能性があります。

詳細は「[日立アドバンスサーバ HA8000V シリーズ](#)」の「製品に関する重要なお知らせ」記載の「Windows 環境において QLogic 製ファイバーチャネルホストバスアダプターでリンクダウン発生後にパス交替できない現象について(管理番号：CRI-2020-0004)」を参照してください。

6. SPH収録コンテンツ一覧

SPH の iso イメージに含まれるドライバ、ファームウェア、ユーティリティ(ソフトウェア)を示します。SPH には、適用方法により下記の2種のコンテンツを含んでいます。

- OS セットアップ後、お客様自身で個別に適用頂くもの
- Smart Update Manager(SUM)を使って適用可能なもの

以降、それぞれのコンテンツについて説明します。

6.1 お客様により適用が必要なコンテンツ

次表に示すファイルは、SPH に含まれる SUM ツールでの適用対象ではありません。Windows Server OS の新規・再セットアップ(プレインストールセット除く)の場合は、SPH 適用後に各ツールを実行してください。

No.	ツール	説明	iso 内格納場所	備考
1	IT Report Utility (ITRU)	サーバの構成情報、および障害の情報を採取します	¥software¥Hitachi¥ITRU	
2	2PRxDur settings	(レジストリ設定)ネットワークアダプタに関する設定を実施します	¥software¥Hitachi¥RegTool	Broadcom 製 1Gb LAN アダプタ搭載構成のみ対象
3	LargeRxRing settings	(レジストリ設定)ネットワークアダプタに関する設定を実施します	¥software¥Hitachi¥RegTool	

【Broadcom 製 1Gb LAN アダプタ】(旧品名)

- オンボード LAN[Ethernet 1Gb 4-port 331i Adapter]
- Ethernet 1Gb 4-port FLR-T BCM5719 Adapter(HP Ethernet 1Gb 4-port 331FLR Adapter)
- Ethernet 1Gb 4-port BASE-T BCM5719 Adapter(HP Ethernet 1Gb 4-port 331T Adapter)
- Ethernet 1Gb 2-port BASE-T BCM5720 Adapter(HP Ethernet 1Gb 2-port 332T Adapter)

(1) ITRU のインストール

ITRU をインストールするには、Administrator 権限にて DOS プロンプトより下記のバッチファイルを実行してください。

```
<CD ドライブ>:¥software¥Hitachi¥ITRU¥setup.bat
```

なお、ITRU のインストールに関する詳細情報は次の WEB ページ

https://www.hitachi.co.jp/cgi-bin/soft/sjst/select_open.cgi

に掲載されている Windows 版 ITRU 取扱説明書の 3 章をご確認願います。

(2) ネットワークアダプタ レジストリ設定の適用

ネットワークアダプタ レジストリ設定を適用するためには、Administrator 権限にて DOS プロンプトより下記のバッチファイルを実行してください。

```
<CD ドライブ>:¥software¥Hitachi¥RegTool¥2PRxDur.bat
```

```
<CD ドライブ>:¥software¥Hitachi¥RegTool¥LargeRxRing.bat
```

ツール実行後、OS を再起動してください。

6.2 SUM ツールで適用可能なファイル

次に示すドライバ/ファームウェア/ユーティリティ(ソフトウェア)は、SUM ツールにより適用可能なファイルです。(表中の"x"表記は、本ドキュメントリリース時点で未サポートであることを示します。)

SUM の GUI モードで使用する場合、OS 別の実行するコマンドを下記に示します。(管理者権限で実行してください。)

Windows 環境：

```
.\%launch_sum.bat
```

Linux 環境：

```
./launch_sum.sh
```

なお、SUM の詳細な操作方法は、<https://www.hitachi.co.jp/ha8000v/>に掲載されている『Smart Update Manager ユーザーガイド』を参照ください。

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6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1	Integrated Smart Update Tools 2.7.0 for ESXi 6.5	cp041078.zip	-	2020.09.00	6.5.0.2.7.0.0-42	新規追加
2	Integrated Smart Update Tools 2.7.0 for ESXi 6.7	cp041079.zip	-	2020.09.00	6.7.0.2.7.0.0-41	新規追加
3	Integrated Smart Update Tools 2.7.0 for ESXi 7.0	cp043666.zip	-	2020.09.00	700.2.7.0.50-1 OEM.700.1.0.15525992	新規追加
4	Integrated Smart Update Tools for Linux x64	sut-2.7.0-26.linux.x86_64.rpm	-	2.7.0.0	2.7.0-26.linux	更新
5	Integrated Smart Update Tools for Windows x64	cp041077.exe	-	2.7.0.0	2.7.0.0	更新

6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
6	Online ROM Flash Component for Linux - OEM System ROM U34	firmware-system-oem-u34-2.36_2020_07_16-1.1.x86_64.rpm	System BIOS - U34	2.36_07-16-2020	v2.36 (07/16/2020)	更新
7	Online ROM Flash Component for Linux - System ROM U30	firmware-system-oem-u30-2.36_2020_07_16-1.1.x86_64.rpm	System BIOS - U30	2.36_07-16-2020	v2.36 (07/16/2020)	更新
8	Online ROM Flash Component for Linux - System ROM U32	firmware-system-oem-u32-2.36_2020_07_16-1.1.x86_64.rpm	System BIOS - U32	2.36_07-16-2020	v2.36 (07/16/2020)	更新
9	Online ROM Flash Component for Linux - System ROM U41	firmware-system-oem-u41-2.36_2020_07_16-1.1.x86_64.rpm	System BIOS - U41	2.36_07-16-2020	v2.36 (07/16/2020)	更新
10	Online ROM Flash Component for Linux - System ROM U43	firmware-system-oem-u43-2.18_2020_06_24-1.1.x86_64.rpm	System BIOS - U43	2.18_06-24-2020	v2.18 (06/24/2020)	更新
11	Online ROM Flash Component for Linux - System ROM U44	firmware-system-oem-u44-2.18_2020_06_24-1.1.x86_64.rpm	System BIOS - U44	2.18_06-24-2020	v2.18 (06/24/2020)	更新
12	Online ROM Flash Component for Windows x64 - OEM System ROM U34	cp044758.exe	System BIOS - U34	2.36_07-16-2020	v2.36 (07/16/2020)	更新
13	Online ROM Flash Component for Windows x64 - System ROM U30	cp044748.exe	System BIOS - U30	2.36_07-16-2020	v2.36 (07/16/2020)	更新
14	Online ROM Flash Component for Windows x64 - System ROM U32	cp044755.exe	System BIOS - U32	2.36_07-16-2020	v2.36 (07/16/2020)	更新
15	Online ROM Flash Component for Windows x64 - System ROM U41	cp044761.exe	System BIOS - U41	2.36_07-16-2020	v2.36 (07/16/2020)	更新
16	Online ROM Flash Component for Windows x64 - System ROM U43	cp044724.exe	System BIOS - U43	2.18_06-24-2020	v2.18 (06/24/2020)	更新
17	Online ROM Flash Component for Windows x64 - System ROM U44	cp044727.exe	System BIOS - U44	2.18_06-24-2020	v2.18 (06/24/2020)	更新
18	ROM Flash Firmware Package - System ROM U30	OEM.U30_2.36_07_16_2020.fwpkg	System BIOS - U30	2.36_07-16-2020	v2.36 (07/16/2020)	更新
19	ROM Flash Firmware Package - System ROM U32	OEM.U32_2.36_07_16_2020.fwpkg	System BIOS - U32	2.36_07-16-2020	v2.36 (07/16/2020)	更新
20	ROM Flash Firmware Package - System ROM U34	OEM.U34_2.36_07_16_2020.fwpkg	System BIOS - U34	2.36_07-16-2020	v2.36 (07/16/2020)	更新
21	ROM Flash Firmware Package - System ROM U41	OEM.U41_2.36_07_16_2020.fwpkg	System BIOS - U41	2.36_07-16-2020	v2.36 (07/16/2020)	更新
22	ROM Flash Firmware Package - System ROM U43	OEM.U43_2.18_06_24_2020.fwpkg	System BIOS - U43	2.18_06-24-2020	v2.18 (06/24/2020)	更新

23	ROM Flash Firmware Package - System ROM U44	OEM.U44_2.18_06_24_2020.fwpkg	System BIOS - U44	2.18_06-24-2020	v2.18 (06/24/2020)	更新
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6.2.3 Driver – Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
24	Identifiers for Intel Xeon E-2xxx Processor for Windows	cp039323.exe	-	10.1.18015.8142	10.1.18015.8142	
25	Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Windows	cp040561.exe	-	10.1.18015.8142	10.1.18015.8142	

6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
26	HPE Broadcom NetXtreme-E Driver for Windows Server 2012 R2	cp041785.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	214.0.247.1	214.0.247.1	
27	HPE Broadcom NetXtreme-E Driver for Windows Server 2012 R2	cp041785.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	214.0.247.1	214.0.247.1	
28	HPE Broadcom NetXtreme-E Driver for Windows Server 2012 R2	cp041785.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	214.0.247.1	214.0.247.1	
29	HPE Broadcom NetXtreme-E Driver for Windows Server 2012 R2	cp041785.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	214.0.247.1	214.0.247.1	
30	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp043303.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	216.0.143.3	216.0.143.3	更新
31	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp043303.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	216.0.143.3	216.0.143.3	更新
32	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp043303.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	216.0.143.3	216.0.143.3	更新
33	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp043303.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	216.0.143.3	216.0.143.3	更新
34	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp043304.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	216.0.143.3	216.0.143.3	更新
35	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp043304.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	216.0.143.3	216.0.143.3	更新
36	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp043304.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	216.0.143.3	216.0.143.3	更新
37	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp043304.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	216.0.143.3	216.0.143.3	更新

38	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u7.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u7	更新
39	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u7.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u7	更新
40	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u7	更新
41	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u7	更新
42	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u8	更新
43	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u8	更新
44	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u8	更新
45	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel7u8	更新
46	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel8u1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel8u1	更新
47	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel8u1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel8u1	更新
48	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel8u1	更新
49	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.1-2 16.0.169.4.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.1-216.0.169.4	1.10.1-216.0.169.4.rhel8u1	更新
50	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp043310.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2020.09.14	216.0.46.0-10EM.650.0.0.4598673	更新
51	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp043310.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2020.09.14	216.0.46.0-10EM.650.0.0.4598673	更新
52	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp043310.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2020.09.14	216.0.46.0-10EM.650.0.0.4598673	更新
53	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp043310.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2020.09.14	216.0.46.0-10EM.650.0.0.4598673	更新
54	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp043311.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2020.09.14	216.0.72.0-10EM.670.0.0.8169922	更新

55	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp043311.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2020.09.14	216.0.72.0-10 EM.670.0.0.8 169922	更新
56	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp043311.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2020.09.14	216.0.72.0-10 EM.670.0.0.8 169922	更新
57	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp043311.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2020.09.14	216.0.72.0-10 EM.670.0.0.8 169922	更新
58	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp043308.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2020.09.14	216.0.72.0-10 EM.700.1.0.1 5525992	新規追加
59	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp043308.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2020.09.14	216.0.72.0-10 EM.700.1.0.1 5525992	新規追加
60	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp043308.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2020.09.14	216.0.72.0-10 EM.700.1.0.1 5525992	新規追加
61	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp043308.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2020.09.14	216.0.72.0-10 EM.700.1.0.1 5525992	新規追加
62	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 7	libbnxt_re-216.0.88.3-rhel7u7.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	216.0.88.3	216.0.88.3	更新
63	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 7	libbnxt_re-216.0.88.3-rhel7u7.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	216.0.88.3	216.0.88.3	更新
64	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 7	libbnxt_re-216.0.88.3-rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	216.0.88.3	216.0.88.3	更新
65	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 7	libbnxt_re-216.0.88.3-rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	216.0.88.3	216.0.88.3	更新
66	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-216.0.88.3-rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	216.0.88.3	216.0.88.3	新規追加
67	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-216.0.88.3-rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	216.0.88.3	216.0.88.3	新規追加
68	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-216.0.88.3-rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	216.0.88.3	216.0.88.3	新規追加
69	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-216.0.88.3-rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	216.0.88.3	216.0.88.3	新規追加
70	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 1.	libbnxt_re-216.0.88.3-rhel8u1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	216.0.88.3	216.0.88.3	新規追加
71	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 1.	libbnxt_re-216.0.88.3-rhel8u1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	216.0.88.3	216.0.88.3	新規追加

72	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 1.	libbnxt_re-216.0.88.3-rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	216.0.88.3	216.0.88.3	新規追加
73	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 1.	libbnxt_re-216.0.88.3-rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	216.0.88.3	216.0.88.3	新規追加
74	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp043306.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	214.0.0.4	214.0.0.4	更新
75	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp043306.exe	HP Ethernet 1Gb 2-port 332T Adapter	214.0.0.4	214.0.0.4	更新
76	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp043306.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	214.0.0.4	214.0.0.4	更新
77	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp043306.exe	HP Ethernet 1Gb 4-port 331T Adapter	214.0.0.4	214.0.0.4	更新
78	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp043306.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	214.0.0.4	214.0.0.4	更新
79	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.138b-1	3.138b-1.rhel7u7	更新
80	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.138b-1	3.138b-1.rhel7u7	更新
81	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.138b-1	3.138b-1.rhel7u7	更新
82	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.138b-1	3.138b-1.rhel7u7	更新
83	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.138b-1	3.138b-1.rhel7u7	更新
84	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.138b-1	3.138b-1.rhel7u8	更新
85	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.138b-1	3.138b-1.rhel7u8	更新
86	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.138b-1	3.138b-1.rhel7u8	更新
87	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.138b-1	3.138b-1.rhel7u8	更新
88	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.138b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.138b-1	3.138b-1.rhel7u8	更新
89	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.138b-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.138b-1	3.138b-1.rhel8u1	更新
90	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.138b-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.138b-1	3.138b-1.rhel8u1	更新
91	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.138b-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.138b-1	3.138b-1.rhel8u1	更新
92	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.138b-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.138b-1	3.138b-1.rhel8u1	更新

93	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.138b-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.138b-1	3.138b-1.rhel8u1	更新
94	HPE Intel E1R Driver for Windows Server 2012 R2	cp040854.exe	HP Ethernet 1Gb 2-port 361T Adapter	12.14.8.1	12.14.8.1	
95	HPE Intel E1R Driver for Windows Server 2012 R2	cp040854.exe	HP Ethernet 1Gb 4-port 366FLR Adapter	12.14.8.1	12.14.8.1	
96	HPE Intel E1R Driver for Windows Server 2012 R2	cp040854.exe	HP Ethernet 1Gb 4-port 366T Adapter	12.14.8.1	12.14.8.1	
97	HPE Intel E1R Driver for Windows Server 2016	cp040879.exe	HP Ethernet 1Gb 2-port 361T Adapter	12.15.184.7	12.15.184.7	
98	HPE Intel E1R Driver for Windows Server 2016	cp040879.exe	HP Ethernet 1Gb 4-port 366FLR Adapter	12.15.184.7	12.15.184.7	
99	HPE Intel E1R Driver for Windows Server 2016	cp040879.exe	HP Ethernet 1Gb 4-port 366T Adapter	12.15.184.7	12.15.184.7	
100	HPE Intel E1R Driver for Windows Server 2019	cp040874.exe	HP Ethernet 1Gb 2-port 361T Adapter	12.18.9.1	12.18.9.1	
101	HPE Intel E1R Driver for Windows Server 2019	cp040874.exe	HP Ethernet 1Gb 4-port 366FLR Adapter	12.18.9.1	12.18.9.1	
102	HPE Intel E1R Driver for Windows Server 2019	cp040874.exe	HP Ethernet 1Gb 4-port 366T Adapter	12.18.9.1	12.18.9.1	
103	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.11.27-1.rhel7u7.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.11.27-1	2.11.27-1.rhel7u7	更新
104	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.11.27-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.11.27-1	2.11.27-1.rhel7u7	更新
105	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.11.27-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.11.27-1	2.11.27-1.rhel7u7	更新
106	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.11.27-1.rhel7u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.11.27-1	2.11.27-1.rhel7u8	更新
107	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.11.27-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.11.27-1	2.11.27-1.rhel7u8	更新
108	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.11.27-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.11.27-1	2.11.27-1.rhel7u8	更新
109	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.11.27-1.rhel8u1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.11.27-1	2.11.27-1.rhel8u1	更新
110	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.11.27-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.11.27-1	2.11.27-1.rhel8u1	更新
111	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.11.27-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.11.27-1	2.11.27-1.rhel8u1	更新
112	HPE Intel i40ea Driver for Windows Server 2012 R2	cp043119.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.12.171.0	1.12.171.0	更新

113	HPE Intel i40ea Driver for Windows Server 2012 R2	cp043119.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.12.171.0	1.12.171.0	更新
114	HPE Intel i40ea Driver for Windows Server 2016	cp043120.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.12.171.0	1.12.171.0	更新
115	HPE Intel i40ea Driver for Windows Server 2016	cp043120.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.12.171.0	1.12.171.0	更新
116	HPE Intel i40ea Driver for Windows Server 2019	cp043121.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.12.171.0	1.12.171.0	更新
117	HPE Intel i40ea Driver for Windows Server 2019	cp043121.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.12.171.0	1.12.171.0	更新
118	HPE Intel i40eb Driver for Windows Server 2012 R2	cp043237.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.12.171.0	1.12.171.0	更新
119	HPE Intel i40eb Driver for Windows Server 2016	cp043236.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.12.171.0	1.12.171.0	更新
120	HPE Intel i40eb Driver for Windows Server 2019	cp043238.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.12.171.0	1.12.171.0	更新
121	HPE Intel i40en Driver for VMware vSphere 6.5	cp042675.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2020.09.14	1.10.6-1OEM.650.0.0.4598673	更新
122	HPE Intel i40en Driver for VMware vSphere 6.5	cp042675.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2020.09.14	1.10.6-1OEM.650.0.0.4598673	更新
123	HPE Intel i40en Driver for VMware vSphere 6.5	cp042675.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2020.09.14	1.10.6-1OEM.650.0.0.4598673	更新
124	HPE Intel i40en Driver for VMware vSphere 6.7	cp042676.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2020.09.14	1.10.6-1OEM.670.0.0.8169922	更新
125	HPE Intel i40en Driver for VMware vSphere 6.7	cp042676.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2020.09.14	1.10.6-1OEM.670.0.0.8169922	更新
126	HPE Intel i40en Driver for VMware vSphere 6.7	cp042676.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2020.09.14	1.10.6-1OEM.670.0.0.8169922	更新
127	HPE Intel i40en Driver for VMware vSphere 7.0	cp041295.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2020.05.29	1.10.9.0-1OEM.700.1.0.15525992	新規追加
128	HPE Intel i40en Driver for VMware vSphere 7.0	cp041295.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2020.05.29	1.10.9.0-1OEM.700.1.0.15525992	新規追加
129	HPE Intel i40en Driver for VMware vSphere 7.0	cp041295.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2020.05.29	1.10.9.0-1OEM.700.1.0.15525992	新規追加
130	HPE Intel iavf Driver for Windows Server 2012 R2	cp040867.exe	-	1.7.119.0	1.7.119.0	
131	HPE Intel iavf Driver for Windows Server 2016	cp040868.exe	-	1.7.119.0	1.7.119.0	
132	HPE Intel iavf Driver for Windows Server 2019	cp040869.exe	-	1.7.119.0	1.7.119.0	
133	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-3.9.5-1.rhel7u7.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	3.9.5-1	3.9.5-1.rhel7u7	更新

134	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-3.9.5-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.9.5-1	3.9.5-1.rhel7u7	更新
135	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-3.9.5-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.9.5-1	3.9.5-1.rhel7u7	更新
136	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-3.9.5-1.rhel7u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	3.9.5-1	3.9.5-1.rhel7u8	更新
137	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-3.9.5-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.9.5-1	3.9.5-1.rhel7u8	更新
138	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-3.9.5-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.9.5-1	3.9.5-1.rhel7u8	更新
139	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-3.9.5-1.rhel8u1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	3.9.5-1	3.9.5-1.rhel8u1	更新
140	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-3.9.5-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.9.5-1	3.9.5-1.rhel8u1	更新
141	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-3.9.5-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.9.5-1	3.9.5-1.rhel8u1	更新
142	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.2.3-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	6.2.3-1	6.2.3-1.rhel7u7	更新
143	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.2.3-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	6.2.3-1	6.2.3-1.rhel7u7	更新
144	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.2.3-1.rhel7u7.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	6.2.3-1	6.2.3-1.rhel7u7	更新
145	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.2.3-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	6.2.3-1	6.2.3-1.rhel7u8	更新
146	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.2.3-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	6.2.3-1	6.2.3-1.rhel7u8	更新
147	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.2.3-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	6.2.3-1	6.2.3-1.rhel7u8	更新
148	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.2.3-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	6.2.3-1	6.2.3-1.rhel8u1	更新
149	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.2.3-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	6.2.3-1	6.2.3-1.rhel8u1	更新
150	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.2.3-1.rhel8u1.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	6.2.3-1	6.2.3-1.rhel8u1	更新
151	HPE Intel igbn Driver for VMware vSphere 6.5	cp040825.zip	HP Ethernet 1Gb 2-port 361T Adapter	2019.12.20	1.4.10-10EM.600.0.0.2768847	
152	HPE Intel igbn Driver for VMware vSphere 6.5	cp040825.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	2019.12.20	1.4.10-10EM.600.0.0.2768847	
153	HPE Intel igbn Driver for VMware vSphere 6.5	cp040825.zip	HP Ethernet 1Gb 4-port 366T Adapter	2019.12.20	1.4.10-10EM.600.0.0.2768847	
154	HPE Intel igbn Driver for VMware vSphere 6.7	cp040829.zip	HP Ethernet 1Gb 2-port 361T Adapter	2019.12.20	1.4.10-10EM.670.0.0.8169922	

155	HPE Intel igbn Driver for VMware vSphere 6.7	cp040829.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	2019.12.20	1.4.10-10EM.670.0.0.8169922	
156	HPE Intel igbn Driver for VMware vSphere 6.7	cp040829.zip	HP Ethernet 1Gb 4-port 366T Adapter	2019.12.20	1.4.10-10EM.670.0.0.8169922	
157	HPE Intel igbn Driver for VMware vSphere 7.0	cp041296.zip	HP Ethernet 1Gb 2-port 361T Adapter	2020.05.29	1.4.11.0-10EM.700.1.0.15525992	新規追加
158	HPE Intel igbn Driver for VMware vSphere 7.0	cp041296.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	2020.05.29	1.4.11.0-10EM.700.1.0.15525992	新規追加
159	HPE Intel igbn Driver for VMware vSphere 7.0	cp041296.zip	HP Ethernet 1Gb 4-port 366T Adapter	2020.05.29	1.4.11.0-10EM.700.1.0.15525992	新規追加
160	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.7.1-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.7.1-1	5.7.1-1.rhel7u7	更新
161	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.7.1-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.7.1-1	5.7.1-1.rhel7u7	更新
162	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.7.1-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.7.1-1	5.7.1-1.rhel7u8	更新
163	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.7.1-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.7.1-1	5.7.1-1.rhel7u8	更新
164	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.7.1-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.7.1-1	5.7.1-1.rhel8u1	更新
165	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.7.1-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.7.1-1	5.7.1-1.rhel8u1	更新
166	HPE Intel ixgben Driver for VMware vSphere 6.5	cp042679.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2020.09.14	1.8.7-10EM.650.0.0.4598673	更新
167	HPE Intel ixgben Driver for VMware vSphere 6.5	cp042679.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2020.09.14	1.8.7-10EM.650.0.0.4598673	更新
168	HPE Intel ixgben Driver for VMware vSphere 6.7	cp042680.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2020.09.14	1.8.7-10EM.670.0.0.8169922	更新
169	HPE Intel ixgben Driver for VMware vSphere 6.7	cp042680.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2020.09.14	1.8.7-10EM.670.0.0.8169922	更新
170	HPE Intel ixgben Driver for VMware vSphere 7.0	cp041297.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2020.05.29	1.8.9.0-10EM.700.1.0.15525992	新規追加
171	HPE Intel ixgben Driver for VMware vSphere 7.0	cp041297.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2020.05.29	1.8.9.0-10EM.700.1.0.15525992	新規追加
172	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.7.1-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.7.1-1	4.7.1-1.rhel7u7	更新
173	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.7.1-1.rhel7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.7.1-1	4.7.1-1.rhel7u7	更新
174	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.7.1-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.7.1-1	4.7.1-1.rhel7u8	更新
175	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.7.1-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.7.1-1	4.7.1-1.rhel7u8	更新
176	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.7.1-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.7.1-1	4.7.1-1.rhel8u1	更新

177	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.7.1-1.rhel8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.7.1-1	4.7.1-1.rhel8u1	更新
178	HPE Intel ixv Driver for Windows Server 2012 R2	cp042030.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.14.214.0	3.14.214.0	更新
179	HPE Intel ixv Driver for Windows Server 2012 R2	cp042030.exe	HPE Ethernet 10Gb 2-port 562T Adapter	3.14.214.0	3.14.214.0	更新
180	HPE Intel ixv Driver for Windows Server 2016	cp042031.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.199.0	4.1.199.0	更新
181	HPE Intel ixv Driver for Windows Server 2016	cp042031.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.199.0	4.1.199.0	更新
182	HPE Intel ixv Driver for Windows Server 2019	cp042032.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.197.0	4.1.197.0	更新
183	HPE Intel ixv Driver for Windows Server 2019	cp042032.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.197.0	4.1.197.0	更新
184	HPE Intel vxv Driver for Windows Server 2012 R2	cp042033.exe	-	1.2.199.0	1.2.199.0	更新
185	HPE Intel vxv Driver for Windows Server 2016	cp042034.exe	-	2.1.192.0	2.1.192.0	更新
186	HPE Intel vxv Driver for Windows Server 2019	cp042035.exe	-	2.1.191.0	2.1.191.0	更新
187	HPE Intel vxi Driver for Windows Server 2012 R2	cp042036.exe	-	1.2.199.0	1.2.199.0	更新
188	HPE Intel vxi Driver for Windows Server 2016	cp042037.exe	-	2.1.192.0	2.1.192.0	更新
189	HPE Intel vxi Driver for Windows Server 2019	cp042038.exe	-	2.1.191.0	2.1.191.0	更新
190	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2012 R2	cp042797.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
191	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2012 R2	cp042797.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
192	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2012 R2	cp042797.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
193	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016	cp042798.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
194	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016	cp042798.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
195	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016	cp042798.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
196	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp042799.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
197	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows	cp042799.exe	HPE Ethernet 25Gb 2-port 640	2.40.22511.0	2.40.22511.0	新規追加

	Server 2019		FLR-SFP28 Adapter			
198	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp042799.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2.40.22511.0	2.40.22511.0	新規追加
199	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 7 (x86_64)	kmod-kernel-mft-mlnx-4.14.0-1.rhel7u7.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-1.rhel7u7	更新
200	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 7 (x86_64)	mft-4.14.0-105.rhel7u7.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-105.rhel7u7	更新
201	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.14.0-1.rhel7u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-1.rhel7u8	新規追加
202	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mft-4.14.0-105.rhel7u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-105.rhel7u8	新規追加
203	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 1 (x86_64)	kmod-kernel-mft-mlnx-4.14.0-1.rhel8u1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-1.rhel8u1	新規追加
204	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 1 (x86_64)	mft-4.14.0-105.rhel8u1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-105.rhel8u1	新規追加
205	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 2 (x86_64)	kmod-kernel-mft-mlnx-4.14.0-1.rhel8u2.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-1.rhel8u2	新規追加
206	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 2 (x86_64)	mft-4.14.0-105.2.rhel8u2.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.14	4.14.0-105.2.rhel8u2	新規追加
207	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 7 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.0	5.0	新規追加
208	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 7 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加
209	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加

	7 (x86_64)					
210	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 7 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.0	5.0	新規追加
211	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 7 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.0	5.0	新規追加
212	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 7 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加
213	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 7 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加
214	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 7 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u7.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.0	5.0	新規追加
215	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.0	5.0	新規追加
216	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加
217	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u8.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加
218	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.0	5.0	新規追加
219	HPE Mellanox RoCE (RDMA over Converged Ethernet)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178	HPE Ethernet 25Gb 2-port 640	5.0	5.0	新規追加

	Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	.rhel7u8.x86_64.rpm	FLR-SFP28 Adapter			
220	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加
221	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u8.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加
222	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel7u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.0	5.0	新規追加
223	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 1 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.0	5.0	新規追加
224	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 1 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加
225	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 1 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加
226	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 1 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.0	5.0	新規追加
227	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 1 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.0	5.0	新規追加
228	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加

	Hat Enterprise Linux 8 Update 1 (x86_64)					
229	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 1 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加
230	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 1 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.0	5.0	新規追加
231	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.0	5.0	新規追加
232	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加
233	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u2.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加
234	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.rhel8u2.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.0	5.0	新規追加
235	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.2.rhel8u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.0	5.0	新規追加
236	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.2.rhel8u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.0	5.0	新規追加
237	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	mlnx-ofa_kernel-5.0-OFED.5.0.2.1.8.1.g5f67178.2.rhel8u2.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.0	5.0	新規追加
238	HPE Mellanox RoCE (RDMA	mlnx-ofa_kernel-5.0-OF	HPE InfiniBand	5.0	5.0	新規追加

	over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 2 (x86_64)	ED.5.0.2.1.8.1.g5f67178 .2.rhel8u2.x86_64.rpm	HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter			
239	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-qlgc-fastlinq-8.50 .25.0-1.rhel7u7.x86_64. rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.50.25.0-1	8.50.25.0-1.rh el7u7	更新
240	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-qlgc-fastlinq-8.50 .25.0-1.rhel7u8.x86_64. rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.50.25.0-1	8.50.25.0-1.rh el7u8	更新
241	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.50 .25.0-1.rhel8u1.x86_64. rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.50.25.0-1	8.50.25.0-1.rh el8u1	更新
242	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp043122.exe	HPE Ethernet 10Gb 2-port 521T Adapter	8.50.10.0	8.50.10.0	更新
243	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.5	cp044296.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2020.09.14	3.11.16.0-10E M.650.0.0.45 98673	更新
244	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.7	cp044297.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2020.09.14	3.11.16.0-10E M.670.0.0.81 69922	更新
245	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0	cp041271.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2020.05.29	3.40.9.0-10E M.700.1.0.15 525992	新規追加
246	HPE QLogic FastLinQ Open-iSCSI Driver for Red Hat Enterprise Linux 7 Update 7	qlgc-open-iscsi-2.0_873 .113.rhel7u7-1.x86_64.r pm	HPE Ethernet 10Gb 2-port 521T Adapter	2.0-873.113 -1	2.0_873.113-1	
247	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 7 Update 7	iscsiuio-2.11.5.13-3.rhel 7u7.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2.11.5.13-3	2.11.5.13-3.rh el7u7	
248	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 7 Update 7	iscsiuio-2.11.5.13-3.rhel 7u7.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	2.11.5.13-3	2.11.5.13-3.rh el7u7	
249	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 7 Update 7	iscsiuio-2.11.5.13-3.rhel 7u7.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	2.11.5.13-3	2.11.5.13-3.rh el7u7	
250	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 7 Update 7	iscsiuio-2.11.5.13-3.rhel 7u7.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2.11.5.13-3	2.11.5.13-3.rh el7u7	
251	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 8 Update 1	iscsiuio-2.11.5.13-3.rhel 8u1.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2.11.5.13-3	2.11.5.13-3.rh el8u1	新規追加
252	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 8 Update 1	iscsiuio-2.11.5.13-3.rhel 8u1.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	2.11.5.13-3	2.11.5.13-3.rh el8u1	新規追加
253	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 8 Update 1	iscsiuio-2.11.5.13-3.rhel 8u1.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	2.11.5.13-3	2.11.5.13-3.rh el8u1	新規追加
254	HPE QLogic iSCSI Offload IO Daemon for Red Hat Enterprise Linux 8 Update 1	iscsiuio-2.11.5.13-3.rhel 8u1.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2.11.5.13-3	2.11.5.13-3.rh el8u1	新規追加
255	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp042872.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2020.09.14	1.1.6.0-10EM. 650.0.0.45986 73	更新
256	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp042872.zip	HP Ethernet 10Gb 2-port 530T Adapter	2020.09.14	1.1.6.0-10EM. 650.0.0.45986 73	更新
257	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp042872.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2020.09.14	1.1.6.0-10EM. 650.0.0.45986 73	更新

258	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp042873.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2020.09.14	1.1.6.0-1OEM.670.0.0.8169922	更新
259	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp042873.zip	HP Ethernet 10Gb 2-port 530T Adapter	2020.09.14	1.1.6.0-1OEM.670.0.0.8169922	更新
260	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp042873.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2020.09.14	1.1.6.0-1OEM.670.0.0.8169922	更新
261	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp041163.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2020.05.29	1.4.6.0-1OEM.700.1.0.15525992	新規追加
262	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp041163.zip	HP Ethernet 10Gb 2-port 530T Adapter	2020.05.29	1.4.6.0-1OEM.700.1.0.15525992	新規追加
263	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp041163.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2020.05.29	1.4.6.0-1OEM.700.1.0.15525992	新規追加
264	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.70-1.rhel7u7.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.70-1	7.14.70-1.rhel7u7	更新
265	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.70-1.rhel7u7.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	7.14.70-1	7.14.70-1.rhel7u7	更新
266	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.70-1.rhel7u7.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.70-1	7.14.70-1.rhel7u7	更新
267	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.70-1.rhel7u8.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.70-1	7.14.70-1.rhel7u8	更新
268	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.70-1.rhel7u8.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	7.14.70-1	7.14.70-1.rhel7u8	更新
269	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.70-1.rhel7u8.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.70-1	7.14.70-1.rhel7u8	更新
270	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.70-1.rhel8u1.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.70-1	7.14.70-1.rhel8u1	更新
271	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.70-1.rhel8u1.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	7.14.70-1	7.14.70-1.rhel8u1	更新
272	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.70-1.rhel8u1.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.70-1	7.14.70-1.rhel8u1	更新
273	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp043244.exe	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.13.187.0	7.13.187.0	更新
274	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp043244.exe	HP Ethernet 10Gb 2-port 530T Adapter	7.13.187.0	7.13.187.0	更新
275	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp043244.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.13.187.0	7.13.187.0	更新
276	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp041339.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2019.09.11	4.12.0.105-10EM.650.0.0.4598673	更新
277	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp041339.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2019.09.11	4.12.0.105-10EM.650.0.0.4598673	更新
278	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp041339.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28	2019.09.11	4.12.0.105-10EM.650.0.0.4598673	更新

			Adapter			
279	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp041339.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2019.09.11	4.12.0.105-10 EM.650.0.0.4 598673	更新
280	net-mst kernel module driver component for VMware ESXi 7.0	cp044401.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2020.05.20	4.14.3.3-10E M.700.1.0.15 525992	新規追加
281	net-mst kernel module driver component for VMware ESXi 7.0	cp044401.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2020.05.20	4.14.3.3-10E M.700.1.0.15 525992	新規追加
282	net-mst kernel module driver component for VMware ESXi 7.0	cp044401.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2020.05.20	4.14.3.3-10E M.700.1.0.15 525992	新規追加
283	net-mst kernel module driver component for VMware ESXi 7.0	cp044401.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2020.05.20	4.14.3.3-10E M.700.1.0.15 525992	新規追加
284	nmlx5_en Driver Component for VMware 6.5	cp043371.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2020.03.09	4.16.70.1-10E M.650.0.0.45 98673	新規追加
285	nmlx5_en Driver Component for VMware 6.5	cp043371.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2020.03.09	4.16.70.1-10E M.650.0.0.45 98673	新規追加
286	nmlx5_en Driver Component for VMware 6.5	cp043371.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2020.03.09	4.16.70.1-10E M.650.0.0.45 98673	新規追加
287	nmlx5_en Driver Component for VMware 6.5	cp043371.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2020.03.09	4.16.70.1-10E M.650.0.0.45 98673	新規追加
288	nmlx5_en Driver Component for VMware 6.7	cp043197.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2020.03.09	4.17.70.1-10E M.670.0.0.81 69922	新規追加
289	nmlx5_en Driver Component for VMware 6.7	cp043197.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2020.03.09	4.17.70.1-10E M.670.0.0.81 69922	新規追加
290	nmlx5_en Driver Component for VMware 6.7	cp043197.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2020.03.09	4.17.70.1-10E M.670.0.0.81 69922	新規追加
291	nmlx5_en Driver Component for VMware 6.7	cp043197.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2020.03.09	4.17.70.1-10E M.670.0.0.81 69922	新規追加
292	nmlx5_en Driver Component for VMware 7.0	cp043205.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2020.05.26	4.19.70.1-10E M.700.1.0.15 525992	新規追加
293	nmlx5_en Driver Component for VMware 7.0	cp043205.zip	HPE Ethernet 25Gb 2-port	2020.05.26	4.19.70.1-10E M.700.1.0.15	新規追加

			640SFP28 Adapter		525992	
294	nmlx5_en Driver Component for VMware 7.0	cp043205.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2020.05.26	4.19.70.1-10E M.700.1.0.15 525992	新規追加
295	nmlx5_en Driver Component for VMware 7.0	cp043205.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2020.05.26	4.19.70.1-10E M.700.1.0.15 525992	新規追加

6.2.5 Driver – Storage

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
296	HPE Smart Array S100i SR Gen10 SW RAID Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp043250.exe	-	106.12.6.0	106.12.6.0	

6.2.6 Driver – Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
297	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u7.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u7	新規追加
298	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u7.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u7	新規追加
299	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u7.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u7	新規追加
300	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u7.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u7	新規追加
301	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u7.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u7	新規追加
302	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u7.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u7	新規追加
303	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u8.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u8	新規追加

304	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u8.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u8	新規追加
305	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u8.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u8	新規追加
306	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u8.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u8	新規追加
307	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u8.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u8	新規追加
308	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.14-016.rhel7u8.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel7u8	新規追加
309	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u1.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u1	新規追加
310	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u1.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u1	新規追加
311	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u1.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u1	新規追加
312	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u1.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u1	新規追加
313	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u1.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u1	新規追加
314	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u1.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u1	新規追加
315	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u2.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u2	新規追加
316	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u2.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u2	新規追加

317	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u2.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u2	新規追加
318	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u2.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u2	新規追加
319	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u2.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u2	新規追加
320	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-1.2.14-016.rhel8u2.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.2.14-016	1.2.14-016.rhel8u2	新規追加
321	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp040982.zip	HPE Smart Array P408i-a SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.650.0.0.4 598673	
322	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp040982.zip	HPE Smart Array P408i-p SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.650.0.0.4 598673	
323	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp040982.zip	HPE Smart Array P816i-a SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.650.0.0.4 598673	
324	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp040982.zip	HPE Smart Array E208e-p SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.650.0.0.4 598673	
325	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp040982.zip	HPE Smart Array E208i-a SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.650.0.0.4 598673	
326	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp040982.zip	HPE Smart Array E208i-p SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.650.0.0.4 598673	
327	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp040981.zip	HPE Smart Array P408i-a SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.670.0.0.8 169922	
328	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp040981.zip	HPE Smart Array P408i-p SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.670.0.0.8 169922	
329	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp040981.zip	HPE Smart Array P816i-a SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.670.0.0.8 169922	
330	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp040981.zip	HPE Smart Array E208e-p SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.670.0.0.8 169922	
331	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp040981.zip	HPE Smart Array E208i-a SR Gen10 Controller	2019.12.01	1.0.4.3008-10 EM.670.0.0.8 169922	
332	HPE ProLiant Gen10 Smart Array Controller Driver for	cp040981.zip	HPE Smart Array E208i-p SR Gen10	2019.12.01	1.0.4.3008-10 EM.670.0.0.8	

	VMware vSphere 6.7 (Driver Component).		Controller		169922	
333	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp043158.exe	HPE Smart Array P408i-a SR Gen10 Controller	106.178.0.1009	106.178.0.1009	更新
334	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp043158.exe	HPE Smart Array P408i-p SR Gen10 Controller	106.178.0.1009	106.178.0.1009	更新
335	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp043158.exe	HPE Smart Array P816i-a SR Gen10 Controller	106.178.0.1009	106.178.0.1009	更新
336	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp043158.exe	HPE Smart Array E208e-p SR Gen10 Controller	106.178.0.1009	106.178.0.1009	更新
337	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp043158.exe	HPE Smart Array E208i-a SR Gen10 Controller	106.178.0.1009	106.178.0.1009	更新
338	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp043158.exe	HPE Smart Array E208i-p SR Gen10 Controller	106.178.0.1009	106.178.0.1009	更新

6.2.7 Driver - Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
339	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2012R2/2016	cp041717.exe	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
340	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2012R2/2016	cp041717.exe	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
341	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2012R2/2016	cp041717.exe	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
342	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2012R2/2016	cp041717.exe	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
343	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2012R2/2016	cp041717.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加

344	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2012R2/2016	cp041717.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
345	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp041729.exe	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
346	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp041729.exe	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
347	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp041729.exe	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
348	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp041729.exe	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
349	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp041729.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
350	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp041729.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.6.165.0 (b)	12.6.165.0 (b)	新規追加
351	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2012 R2	cp042970.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
352	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2012 R2	cp042970.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
353	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2012 R2	cp042970.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
354	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2012 R2	cp042970.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
355	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp042519.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
356	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp042519.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加

357	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp042519.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
358	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp042519.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
359	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp042519.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
360	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp042519.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
361	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp042520.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
362	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp042520.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
363	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp042520.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
364	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp042520.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
365	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp042520.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
366	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp042520.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.1.20	9.4.1.20	新規追加
367	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u7.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u7	新規追加
368	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u7.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u7	新規追加
369	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u7.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u7	新規追加
370	Red Hat Enterprise Linux 7	kmod-elx-lpfc-12.6.275.	HPE StoreFabric	12.6.275.14	12.6.275.14-1.	新規追加

	Update 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	14-1.rhel7u7.x86_64.rpm	SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter		rhel7u7	
371	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u7.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u7	新規追加
372	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u7.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u7	新規追加
373	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u7.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u7	新規追加
374	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u7.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u7	新規追加
375	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u7.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u7	新規追加
376	Red Hat Enterprise Linux 7 Update 7 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u7.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u7	新規追加
377	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u8.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u8	新規追加
378	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u8.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u8	新規追加
379	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u8.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u8	新規追加
380	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u8.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u8	新規追加
381	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u8	新規追加
382	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel7u8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel7u8	新規追加
383	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u8.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u8	新規追加
384	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u8.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u8	新規追加
385	Red Hat Enterprise Linux 7 Update 8 Server Fibre	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel	HPE SN1100Q 16Gb Dual Port	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel	新規追加

	Channel Driver Kit for HPE QLogic Host Bus Adapters	7u8.x86_64.rpm	Fibre Channel Host Bus Adapter		7u8	
386	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u8.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u8	新規追加
387	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u8.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u8	新規追加
388	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.07.6_k1a-1.rhel7u8.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.07.6-k1a	10.01.00.64.07.6_k1a-1.rhel7u8	新規追加
389	Red Hat Enterprise Linux 8 Update 1 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u1.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u1	新規追加
390	Red Hat Enterprise Linux 8 Update 1 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u1.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u1	新規追加
391	Red Hat Enterprise Linux 8 Update 1 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u1.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u1	新規追加
392	Red Hat Enterprise Linux 8 Update 1 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u1.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u1	新規追加
393	Red Hat Enterprise Linux 8 Update 1 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u1.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u1	新規追加
394	Red Hat Enterprise Linux 8 Update 1 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u1.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u1	新規追加
395	Red Hat Enterprise Linux 8 Update 1 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u1.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u1	新規追加
396	Red Hat Enterprise Linux 8 Update 1 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u1.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u1	新規追加
397	Red Hat Enterprise Linux 8 Update 1 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u1.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u1	新規追加
398	Red Hat Enterprise Linux 8 Update 1 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u1.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u1	新規追加
399	Red Hat Enterprise Linux 8 Update 2 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u2.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u2	新規追加
400	Red Hat Enterprise Linux 8 Update 2 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u2.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u2	新規追加

401	Red Hat Enterprise Linux 8 Update 2 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u2.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u2	新規追加
402	Red Hat Enterprise Linux 8 Update 2 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u2.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u2	新規追加
403	Red Hat Enterprise Linux 8 Update 2 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u2.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u2	新規追加
404	Red Hat Enterprise Linux 8 Update 2 Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.0.1.00.64.08.0_k1-1.rhel8u2.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.01.00.64.08.0-k1	10.01.00.64.08.0_k1-1.rhel8u2	新規追加
405	Red Hat Enterprise Linux 8 Update 2 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u2.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u2	新規追加
406	Red Hat Enterprise Linux 8 Update 2 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u2.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u2	新規追加
407	Red Hat Enterprise Linux 8 Update 2 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u2.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u2	新規追加
408	Red Hat Enterprise Linux 8 Update 2 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u2.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u2	新規追加
409	Red Hat Enterprise Linux 8 Update 2 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u2.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u2	新規追加
410	Red Hat Enterprise Linux 8 Update 2 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-12.6.275.14-1.rhel8u2.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.6.275.14	12.6.275.14-1.rhel8u2	新規追加

6.2.8 Driver - System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
411	HPE Non-Volatile Memory Drivers for Microsoft Windows Server 2012 R2 and 2016	cp038534.exe	-	3.0.1.2	3.0.1.2	

6.2.9 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
412	iLO 5 Automatic Server Recovery Driver for Windows Server 2012 R2	cp041378.exe	-	4.7.0.0	4.7.0.0	
413	iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019	cp041379.exe	-	4.7.0.0	4.7.0.0	

414	iLO 5 Channel Interface Driver for Windows Server 2012 R2	cp040013.exe	-	4.6.0.0	4.6.0.0	
415	iLO 5 Channel Interface Driver for Windows Server 2016 and Server 2019	cp041932.exe	-	4.6.0.0 (C)	4.6.0.0 (C)	更新

6.2.10 Driver – Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
416	Matrox G200eH3 Video Controller Driver for Windows Server 2012 R2	cp040214.exe	-	9.15.1.224 (B)	9.15.1.224 (B)	
417	Matrox G200eH3 Video Controller Driver for Windows Server 2016 and Server 2019	cp040215.exe	-	9.15.1.224 (B)	9.15.1.224 (B)	

6.2.11 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
418	Language Pack - Japanese	cp043489.exe	Japanese Language Pack	2.30	2.30.34	更新
419	Language Pack - Japanese	firmware-ilo5-lpk-ja-ri1-1-2.30-1.1.x86_64.rpm	Japanese Language Pack	2.30	2.30.34	更新
420	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-2.30-1.1.x86_64.rpm	iLO 5	2.30	2.30	更新
421	Online ROM Flash Component for Windows x64 - iLO 5	cp045238.exe	iLO 5	2.30	2.30	更新
422	Online ROM Flash Firmware Package - iLO 5	ilo5_230.fwpkg	iLO 5	2.30	2.30	更新

6.2.12 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
423	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.9.3-1.1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.9.3	216.0.333011	更新
424	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.9.3-1.1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.9.3	216.0.333011	更新
425	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.9.3-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.9.3	216.0.333011	更新
426	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.9.3-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.9.3	216.0.333011	更新
427	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP043300.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	5.11.6	216.0.333011	更新
428	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP043300.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	5.11.6	216.0.333011	更新
429	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP043300.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	5.11.6	216.0.333011	更新

430	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP043300.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	5.11.6	216.0.333011	更新
431	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043301.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	5.2.3.0	216.0.333011	更新
432	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043301.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	5.2.3.0	216.0.333011	更新
433	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043301.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	5.2.3.0	216.0.333011	更新
434	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043301.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	5.2.3.0	216.0.333011	更新
435	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.26.1-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	2.26.1	20.16.31	更新
436	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.26.1-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	2.26.1	20.16.31	更新
437	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.26.1-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	2.26.1	20.16.31	更新
438	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.26.1-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	2.26.1	20.16.31	更新
439	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.26.1-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	2.26.1	20.16.31	更新
440	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP043297.zip	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	1.27.5	20.16.31	更新
441	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP043297.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.27.5	20.16.31	更新
442	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP043297.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	1.27.5	20.16.31	更新
443	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP043297.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.27.5	20.16.31	更新
444	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP043297.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	1.27.5	20.16.31	更新
445	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043298.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	5.2.3.0	20.16.31	更新
446	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043298.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.2.3.0	20.16.31	更新
447	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043298.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.2.3.0	20.16.31	更新
448	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043298.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.2.3.0	20.16.31	更新
449	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp043298.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	5.2.3.0	20.16.31	更新

450	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	1.20.10	1.2688.0	更新
451	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	1.20.10	1.2688.0	更新
452	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	1.20.10	1.2688.0	更新
453	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	1.20.10	1.2688.0	更新
454	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.20.10	10.53.7	更新
455	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	1.20.10	10.53.4	更新
456	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.20.10	10.53.7	更新
457	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.20.10-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	1.20.10	10.53.3	更新
458	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HPE Ethernet 1Gb 4-port 369i Adapter	3.13.15	1.2688.0	更新
459	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HP Ethernet 1Gb 2-port 361T Adapter	3.13.15	1.2688.0	更新
460	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	3.13.15	1.2688.0	更新
461	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HP Ethernet 1Gb 4-port 366T Adapter	3.13.15	1.2688.0	更新
462	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.13.15	10.53.7	更新
463	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.13.15	10.53.4	更新
464	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.13.15	10.53.7	更新
465	HPE Intel Online Firmware Upgrade Utility for VMware	CP041856.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.13.15	10.53.3	更新
466	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HPE Ethernet 1Gb 4-port 369i Adapter	5.2.3.0	1.2688.0	更新
467	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HP Ethernet 1Gb 2-port 361T Adapter	5.2.3.0	1.2688.0	更新
468	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HP Ethernet 1Gb 4-port 366FLR Adapter	5.2.3.0	1.2688.0	更新
469	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HP Ethernet 1Gb 4-port 366T Adapter	5.2.3.0	1.2688.0	更新
470	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.2.3.0	10.53.7	更新

471	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.2.3.0	10.53.4	更新
472	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	5.2.3.0	10.53.7	更新
473	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041704.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.2.3.0	10.53.3	更新
474	HPE QLogic FastLinQ Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-flq-1.9.8-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	1.9.8	8.52.12	更新
475	HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware	CP041875.zip	HPE Ethernet 10Gb 2-port 521T Adapter	4.12.12	8.52.12	更新
476	HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041876.exe	HPE Ethernet 10Gb 2-port 521T Adapter	5.2.3.0	8.52.12	更新
477	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.27.8-1.1.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2.27.8	7.18.69	更新
478	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.27.8-1.1.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	2.27.8	7.18.69	更新
479	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.27.8-1.1.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2.27.8	7.18.69	更新
480	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP041878.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	1.27.11	7.18.69	更新
481	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP041878.zip	HP Ethernet 10Gb 2-port 530T Adapter	1.27.11	7.18.69	更新
482	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP041878.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	1.27.11	7.18.69	更新
483	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041879.exe	HP Ethernet 10Gb 2-port 530SFP+ Adapter	5.2.3.0	7.18.69	更新
484	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041879.exe	HP Ethernet 10Gb 2-port 530T Adapter	5.2.3.0	7.18.69	更新
485	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp041879.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	5.2.3.0	7.18.69	更新
486	Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox Ethernet only adapters	CP044339.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.8	14.27.4000	更新
487	Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox Ethernet only adapters	CP044339.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.8	14.27.4000	更新
488	Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.5	CP044170.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.7	16.27.2008	更新
489	Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 6.5	CP044414.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0	20.27.6008	新規追加

490	Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox Ethernet only adapters	CP044340.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.4	14.27.4000	更新
491	Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox Ethernet only adapters	CP044340.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.4	14.27.4000	更新
492	Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.7	CP044171.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.3	16.27.2008	更新
493	Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 6.7	CP044415.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0	20.27.6008	新規追加
494	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP044390.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0	14.27.4000	新規追加
495	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP044390.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0	14.27.4000	新規追加
496	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0	CP044083.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0	16.27.2008	新規追加
497	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0	CP044416.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0	20.27.6008	新規追加
498	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.13-1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.13	14.27.4000	更新
499	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.13-1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.13	14.27.4000	更新
500	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx4-1.0.9-1.1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.9	16.27.2008	更新
501	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx6-mft-1.0.5-1.1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.5	20.27.6008	更新
502	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp044409.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0.13	14.27.4000	更新
503	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp044409.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0.13	14.27.4000	更新

504	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform	cp044172.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0.8	16.27.2008	更新
505	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86_64 platform	cp044485.exe	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0.2	20.27.6008	新規追加

6.2.13 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
506	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-HPK3-2.1.x86_64.rpm	ET000750KWJTF	HPK3 (B)	HPK3	更新
507	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-HPK3-2.1.x86_64.rpm	EO000375KWJUC	HPK3 (B)	HPK3	更新
508	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-HPK3-2.1.x86_64.rpm	EO000750KWTXC	HPK3 (B)	HPK3	更新
509	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-5.1.x86_64.rpm	LO0400KEFJQ	HPK4 (E)	HPK4	更新
510	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-5.1.x86_64.rpm	LO0800KEFJR	HPK4 (E)	HPK4	更新
511	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-5.1.x86_64.rpm	LO1600KEFJT	HPK4 (E)	HPK4	更新
512	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-5.1.x86_64.rpm	LO2000KEFJU	HPK4 (E)	HPK4	更新
513	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-5.1.x86_64.rpm	LT0800KEXVA	HPK4 (E)	HPK4	更新
514	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU,	firmware-hdd-d64642c780-HPK4-5.1.x86_64.rpm	LT1600KEXVB	HPK4 (E)	HPK4	更新

	LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives					
515	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-5.1.x86_64.rpm	LT2000KEXVC	HPK4 (E)	HPK4	更新
516	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-4.1.x86_64.rpm	VK001920KWDUH	HPK4 (D)	HPK4	更新
517	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-4.1.x86_64.rpm	MK001600KWDUN	HPK4 (D)	HPK4	更新
518	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-4.1.x86_64.rpm	VK000960KWDUF	HPK4 (D)	HPK4	更新
519	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-4.1.x86_64.rpm	MK000800KWDUL	HPK4 (D)	HPK4	更新
520	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-4.1.x86_64.rpm	VK000480KWDUE	HPK4 (D)	HPK4	更新
521	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-4.1.x86_64.rpm	MK000400KWDUK	HPK4 (D)	HPK4	更新
522	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC and MO006400KWVND Drives	firmware-hdd-cea219e4b1-HPK2-2.1.x86_64.rpm	MO001600KWVNB	HPK2 (B)	HPK2	新規追加
523	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC and MO006400KWVND Drives	firmware-hdd-cea219e4b1-HPK2-2.1.x86_64.rpm	MO003200KWVNC	HPK2 (B)	HPK2	新規追加

524	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC and MO006400KWVND Drives	firmware-hdd-cea219e4b1-HPK2-2.1.x86_64.rpm	MO006400KWVND	HPK2 (B)	HPK2	新規追加
525	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-5.1.x86_64.rpm	MO0400KEFHN	HPK4 (E)	HPK4	更新
526	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-5.1.x86_64.rpm	MO0800KEFHP	HPK4 (E)	HPK4	更新
527	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-5.1.x86_64.rpm	MO1600KEFHQ	HPK4 (E)	HPK4	更新
528	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-5.1.x86_64.rpm	MO2000KEFHR	HPK4 (E)	HPK4	更新
529	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-5.1.x86_64.rpm	MT0800KEXUU	HPK4 (E)	HPK4	更新
530	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-5.1.x86_64.rpm	MT1600KEXUV	HPK4 (E)	HPK4	更新
531	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPS1-4.1.x86_64.rpm	MT001600KWHAC	HPS1 (D)	HPS1	更新
532	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPS1-4.1.x86_64.rpm	MT003200KWHAD	HPS1 (D)	HPS1	更新
533	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC,	firmware-hdd-8e8ddc5265-HPS1-4.1.x86_64.rpm	MT006400KWHAE	HPS1 (D)	HPS1	更新

	MT003200KWHAD and MT006400KWHAE Drives					
534	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-9ccac59e76-HPK2-2.1.x86_64.rpm	MT001600KWSTB	HPK2 (B)	HPK2	新規追加
535	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-9ccac59e76-HPK2-2.1.x86_64.rpm	MT003200KWSTC	HPK2 (B)	HPK2	新規追加
536	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-9ccac59e76-HPK2-2.1.x86_64.rpm	MT006400KWSTD	HPK2 (B)	HPK2	新規追加
537	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd-1656c1b14a-HPK1-5.1.x86_64.rpm	VO001000KWJSE	HPK1 (E)	HPK1	更新
538	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd-1656c1b14a-HPK1-5.1.x86_64.rpm	VO002000KWJSF	HPK1 (E)	HPK1	更新
539	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd-1656c1b14a-HPK1-5.1.x86_64.rpm	VO004000KWJSH	HPK1 (E)	HPK1	更新
540	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd-1656c1b14a-HPK1-5.1.x86_64.rpm	VT004000KWJSU	HPK1 (E)	HPK1	更新
541	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd-1656c1b14a-HPK1-5.1.x86_64.rpm	MO001600KWJSN	HPK1 (E)	HPK1	更新
542	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd-1656c1b14a-HPK1-5.1.x86_64.rpm	MO003200KWJSQ	HPK1 (E)	HPK1	更新
543	Online NVMe SSD Flash	firmware-hdd-92d876cf	VO002000KWVVC	HPK1 (C)	HPK1	新規追加

	Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	ea-HPK1-3.1.x86_64.rpm				
544	Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	firmware-hdd-92d876cf ea-HPK1-3.1.x86_64.rpm	VO004000KVVUR	HPK1 (C)	HPK1	新規追加
545	Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	firmware-hdd-92d876cf ea-HPK1-3.1.x86_64.rpm	MO001600KVVUU	HPK1 (C)	HPK1	新規追加
546	Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	firmware-hdd-92d876cf ea-HPK1-3.1.x86_64.rpm	MO003200KVVUV	HPK1 (C)	HPK1	新規追加
547	Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	firmware-hdd-92d876cf ea-HPK1-3.1.x86_64.rpm	MO006400KVVVA	HPK1 (C)	HPK1	新規追加
548	Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	firmware-hdd-9a826ccd 8a-HPK4-5.1.x86_64.rpm	VO0400KEFJB	HPK4 (E)	HPK4	更新
549	Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	firmware-hdd-9a826ccd 8a-HPK4-5.1.x86_64.rpm	VO1200KEFJC	HPK4 (E)	HPK4	更新
550	Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	firmware-hdd-9a826ccd 8a-HPK4-5.1.x86_64.rpm	VO2000KEFJD	HPK4 (E)	HPK4	更新
551	Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	firmware-hdd-95a2e5a bcb-HPK4-4.1.x86_64.rpm	VS000480KWDUP	HPK4 (D)	HPK4	新規追加
552	Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	firmware-hdd-95a2e5a bcb-HPK4-4.1.x86_64.rpm	VS000960KWDUQ	HPK4 (D)	HPK4	新規追加
553	Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	firmware-hdd-95a2e5a bcb-HPK4-4.1.x86_64.rpm	MS000400KWDUR	HPK4 (D)	HPK4	新規追加
554	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd-95a2e5a bcb-HPK4-4.1.x86_64.r	MS000800KWDUT	HPK4 (D)	HPK4	新規追加

	VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	pm				
555	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB Drive	firmware-hdd-805abb7 e9c-85030G00-2.1.x86_ 64.rpm	VS000480KXALB	85030G00 (B)	85030G00	新規追加
556	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP043846.zip	ET000750KWJTF	HPK3 (B)	HPK3	更新
557	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP043846.zip	EO000375KWJUC	HPK3 (B)	HPK3	更新
558	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP043846.zip	EO000750KWTXC	HPK3 (B)	HPK3	更新
559	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP044498.zip	LO0400KEFJQ	HPK4 (D)	HPK4	更新
560	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP044498.zip	LO0800KEFJR	HPK4 (D)	HPK4	更新
561	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP044498.zip	LO1600KEFJT	HPK4 (D)	HPK4	更新
562	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP044498.zip	LO2000KEFJU	HPK4 (D)	HPK4	更新
563	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP044498.zip	LT0800KEXVA	HPK4 (D)	HPK4	更新
564	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP044498.zip	LT1600KEXVB	HPK4 (D)	HPK4	更新
565	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP044498.zip	LT2000KEXVC	HPK4 (D)	HPK4	更新
566	Online NVMe SSD Flash Component for VMware ESXi	CP044491.zip	MK000400KWDU K	HPK4 (E)	HPK4	新規追加

	- MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives					
567	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP044491.zip	VK000480KWDUE	HPK4 (E)	HPK4	新規追加
568	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP044491.zip	MK000800KWDU L	HPK4 (E)	HPK4	新規追加
569	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP044491.zip	VK000960KWDUF	HPK4 (E)	HPK4	新規追加
570	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP044491.zip	MK001600KWDU N	HPK4 (E)	HPK4	新規追加
571	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP044491.zip	VK001920KWDUH	HPK4 (E)	HPK4	新規追加
572	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC and MO006400KVVND Drives	CP043321.zip	MO001600KVVN B	HPK2	HPK2	新規追加
573	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC and MO006400KVVND Drives	CP043321.zip	MO003200KVVN C	HPK2	HPK2	新規追加
574	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC and MO006400KVVND Drives	CP043321.zip	MO006400KVVN D	HPK2	HPK2	新規追加
575	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ,	CP043753.zip	MO0400KEFHN	HPK4 (C)	HPK4	新規追加

	MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives					
576	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP043753.zip	MO0800KEFHP	HPK4 (C)	HPK4	新規追加
577	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP043753.zip	MO1600KEFHQ	HPK4 (C)	HPK4	新規追加
578	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP043753.zip	MO2000KEFHR	HPK4 (C)	HPK4	新規追加
579	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP043753.zip	MT0800KEXUU	HPK4 (C)	HPK4	新規追加
580	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP043753.zip	MT1600KEXUV	HPK4 (C)	HPK4	新規追加
581	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP044496.zip	MT001600KWHAC	HPS1 (D)	HPS1	新規追加
582	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP044496.zip	MT003200KWHAD	HPS1 (D)	HPS1	新規追加
583	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP044496.zip	MT006400KWHAE	HPS1 (D)	HPS1	新規追加
584	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP044246.zip	MT001600KWSTB	HPK2 (B)	HPK2	新規追加
585	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWSTB,	CP044246.zip	MT003200KWSTC	HPK2 (B)	HPK2	新規追加

	MT003200KWSTC and MT006400KWSTD Drives					
586	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP044246.zip	MT006400KWSTD	HPK2 (B)	HPK2	新規追加
587	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP044495.zip	VO001000KWJSE	HPK1 (D)	HPK1	更新
588	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP044495.zip	VO002000KWJSF	HPK1 (D)	HPK1	更新
589	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP044495.zip	VO004000KWJSH	HPK1 (D)	HPK1	更新
590	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP044495.zip	VT004000KWJSU	HPK1 (D)	HPK1	更新
591	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP044495.zip	MO001600KWJSN	HPK1 (D)	HPK1	更新
592	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP044495.zip	MO003200KWJSQ	HPK1 (D)	HPK1	更新
593	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP044243.zip	VO002000KWVVC	HPK1 (B)	HPK1	新規追加
594	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR,	CP044243.zip	VO004000KWVUR	HPK1 (B)	HPK1	新規追加

	MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives					
595	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	CP044243.zip	MO001600KVVU U	HPK1 (B)	HPK1	新規追加
596	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	CP044243.zip	MO003200KVVU V	HPK1 (B)	HPK1	新規追加
597	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	CP044243.zip	MO006400KVVV A	HPK1 (B)	HPK1	新規追加
598	Online NVMe SSD Flash Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	CP044497.zip	VO0400KEFJB	HPK4 (D)	HPK4	新規追加
599	Online NVMe SSD Flash Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	CP044497.zip	VO1200KEFJC	HPK4 (D)	HPK4	新規追加
600	Online NVMe SSD Flash Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	CP044497.zip	VO2000KEFJD	HPK4 (D)	HPK4	新規追加
601	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP043757.zip	VS000480KWDUP	HPK4 (C)	HPK4	新規追加
602	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP043757.zip	VS000960KWDUQ	HPK4 (C)	HPK4	新規追加
603	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP043757.zip	MS000400KWDU R	HPK4 (C)	HPK4	新規追加
604	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP043757.zip	MS000800KWDU T	HPK4 (C)	HPK4	新規追加
605	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB Drive	CP044993.zip	VS000480KXALB	85030G00 (C)	85030G00	新規追加
606	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF,	cp043969.exe	ET000750KWJTF	HPK3 (B)	HPK3	更新

	EO000750KWTXC and EO000375KWJUC Drives					
607	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp043969.exe	EO000375KWJUC	HPK3 (B)	HPK3	更新
608	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp043969.exe	EO000750KWTXC	HPK3 (B)	HPK3	更新
609	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp043870.exe	LO0400KEFJQ	HPK4 (B)	HPK4	更新
610	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp043870.exe	LO0800KEFJR	HPK4 (B)	HPK4	更新
611	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp043870.exe	LO1600KEFJT	HPK4 (B)	HPK4	更新
612	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp043870.exe	LO2000KEFJU	HPK4 (B)	HPK4	更新
613	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp043870.exe	LT0800KEXVA	HPK4 (B)	HPK4	更新
614	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp043870.exe	LT1600KEXVB	HPK4 (B)	HPK4	更新
615	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp043870.exe	LT2000KEXVC	HPK4 (B)	HPK4	更新
616	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWUDUK, VK000480KWDUE, MK000800KWDUL,	cp043864.exe	VK001920KWUDUH	HPK4 (B)	HPK4	新規追加

	VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives					
617	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp043864.exe	MK001600KWDU N	HPK4 (B)	HPK4	新規追加
618	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp043864.exe	VK000960KWDUF	HPK4 (B)	HPK4	新規追加
619	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp043864.exe	MK000800KWDU L	HPK4 (B)	HPK4	新規追加
620	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp043864.exe	VK000480KWDUE	HPK4 (B)	HPK4	新規追加
621	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp043864.exe	MK000400KWDU K	HPK4 (B)	HPK4	新規追加
622	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC and MO006400KVVND Drives	cp044393.exe	MO001600KVVN B	HPK2	HPK2	新規追加
623	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC and MO006400KVVND Drives	cp044393.exe	MO003200KVVN C	HPK2	HPK2	新規追加
624	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC and MO006400KVVND Drives	cp044393.exe	MO006400KVVN D	HPK2	HPK2	新規追加
625	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp043603.exe	MO0400KEFHN	HPK4 (B)	HPK4	新規追加

626	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp043603.exe	MO0800KEFHP	HPK4 (B)	HPK4	新規追加
627	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp043603.exe	MO1600KEFHQ	HPK4 (B)	HPK4	新規追加
628	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp043603.exe	MO2000KEFHR	HPK4 (B)	HPK4	新規追加
629	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp043603.exe	MT0800KEXUU	HPK4 (B)	HPK4	新規追加
630	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp043603.exe	MT1600KEXUV	HPK4 (B)	HPK4	新規追加
631	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp043865.exe	MT001600KWHAC	HPS1 (B)	HPS1	更新
632	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp043865.exe	MT003200KWHAD	HPS1 (B)	HPS1	更新
633	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp043865.exe	MT006400KWHAE	HPS1 (B)	HPS1	更新
634	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp044248.exe	MT001600KWSTB	HPK2 (B)	HPK2	新規追加
635	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp044248.exe	MT003200KWSTC	HPK2 (B)	HPK2	新規追加
636	Online NVMe SSD Flash	cp044248.exe	MT006400KWSTD	HPK2 (B)	HPK2	新規追加

	Component for Windows (x64) - MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives					
637	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp043872.exe	VO001000KWJSE	HPK1 (B)	HPK1	更新
638	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp043872.exe	VO002000KWJSF	HPK1 (B)	HPK1	更新
639	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp043872.exe	VO004000KWJSH	HPK1 (B)	HPK1	更新
640	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp043872.exe	VT004000KWJSU	HPK1 (B)	HPK1	更新
641	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp043872.exe	MO001600KWJSN	HPK1 (B)	HPK1	更新
642	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp043872.exe	MO003200KWJSQ	HPK1 (B)	HPK1	更新
643	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp044244.exe	VO002000KWVVC	HPK1 (B)	HPK1	新規追加
644	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp044244.exe	VO004000KWVUR	HPK1 (B)	HPK1	新規追加

645	Online NVMe SSD Flash Component for Windows (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp044244.exe	MO001600KVVU U	HPK1 (B)	HPK1	新規追加
646	Online NVMe SSD Flash Component for Windows (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp044244.exe	MO003200KVVU V	HPK1 (B)	HPK1	新規追加
647	Online NVMe SSD Flash Component for Windows (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp044244.exe	MO006400KVVV A	HPK1 (B)	HPK1	新規追加
648	Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	cp043863.exe	VO0400KEFJB	HPK4 (B)	HPK4	新規追加
649	Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	cp043863.exe	VO1200KEFJC	HPK4 (B)	HPK4	新規追加
650	Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	cp043863.exe	VO2000KEFJD	HPK4 (B)	HPK4	新規追加
651	Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	cp043871.exe	VS000480KWDUP	HPK4 (B)	HPK4	新規追加
652	Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	cp043871.exe	VS000960KWDUQ	HPK4 (B)	HPK4	新規追加
653	Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	cp043871.exe	MS000400KWDU R	HPK4 (B)	HPK4	新規追加
654	Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	cp043871.exe	MS000800KWDU T	HPK4 (B)	HPK4	新規追加
655	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB drive	cp044288.exe	VS000480KXALB	85030G00 (B)	85030G00	新規追加

6.2.14 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
656	Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp043599.exe	Innovation Engine (IE) Firmware	0.2.2.0	0.2.2.0	更新

6.2.15 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
657	Online HDD/SDD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives	CP044489.zip	MB6000JVYZD	HPD4 (E)	HPD4	更新
658	Online HDD/SDD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives	CP044489.zip	MB4000JVYZC	HPD4 (E)	HPD4	更新
659	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive	firmware-hdd-2e4c61fc63-HPD4-4.1.x86_64.rpm	EG000300JWBHR	HPD4 (D)	HPD4	新規追加
660	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive	firmware-hdd-c5cd837c29-HPD2-5.1.x86_64.rpm	EG000300JWFVB	HPD2 (E)	HPD2	新規追加
661	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive	firmware-hdd-24fe569b72-HPD2-3.1.x86_64.rpm	EG000300JWSJP	HPD2 (C)	HPD2	新規追加
662	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive	firmware-hdd-24fe569b72-HPD2-3.1.x86_64.rpm	EG000600JWJNH	HPD2 (C)	HPD2	新規追加
663	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive	firmware-hdd-24fe569b72-HPD2-3.1.x86_64.rpm	EG001200JWJNK	HPD2 (C)	HPD2	新規追加
664	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD3-5.1.x86_64.rpm	EG000600JWFUV	HPD3 (E)	HPD3	新規追加
665	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD3-5.1.x86_64.rpm	EG001200JWFVA	HPD3 (E)	HPD3	新規追加
666	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP and EG001200JWJNQ Drives	firmware-hdd-bdfb8e99d9-HPD3-2.1.x86_64.rpm	EG000600JWJNP	HPD3 (B)	HPD3	新規追加
667	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP and EG001200JWJNQ Drives	firmware-hdd-bdfb8e99d9-HPD3-2.1.x86_64.rpm	EG001200JWJNQ	HPD3 (B)	HPD3	新規追加
668	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive	firmware-hdd-693b9a2853-HPD3-5.1.x86_64.rpm	EG001800JWFVC	HPD3 (E)	HPD3	新規追加

669	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD2-4.1.x86_64.rpm	EG001800JWJNL	HPD2 (D)	HPD2	新規追加
670	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD2-4.1.x86_64.rpm	EG002400JWJNN	HPD2 (D)	HPD2	新規追加
671	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR and EG002400JWJNT Drives	firmware-hdd-b1c9eaf74c-HPD5-2.1.x86_64.rpm	EG001800JWJNR	HPD5 (B)	HPD5	更新
672	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR and EG002400JWJNT Drives	firmware-hdd-b1c9eaf74c-HPD5-2.1.x86_64.rpm	EG002400JWJNT	HPD5 (B)	HPD5	更新
673	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-6.1.x86_64.rpm	EG0300FCSPH	HPD2 (F)	HPD2	新規追加
674	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-6.1.x86_64.rpm	EG0450FCSPK	HPD2 (F)	HPD2	新規追加
675	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-6.1.x86_64.rpm	EG0600FCSPK	HPD2 (F)	HPD2	新規追加
676	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-6.1.x86_64.rpm	EG0900FCSPN	HPD2 (F)	HPD2	新規追加
677	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-7.1.x86_64.rpm	EG0300JEHLV	HPD5 (G)	HPD5	新規追加
678	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-7.1.x86_64.rpm	EG0600JEHMA	HPD5 (G)	HPD5	新規追加
679	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-7.1.x86_64.rpm	EG0900JEHMB	HPD5 (G)	HPD5	新規追加
680	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-7.1.x86_64.rpm	EG1200JEHMC	HPD5 (G)	HPD5	新規追加
681	Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-7.1.x86_64.rpm	EG0600JEMCV	HPD6 (G)	HPD6	新規追加
682	Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-7.1.x86_64.rpm	EG1200JEMDA	HPD6 (G)	HPD6	新規追加

683	Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-7.1.x86_64.rpm	EG0300JFCKA	HPD6 (G)	HPD6	新規追加
684	Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-7.1.x86_64.rpm	EG0900JFCKB	HPD6 (G)	HPD6	新規追加
685	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD7-4.1.x86_64.rpm	EG0600JETKA	HPD7 (D)	HPD7	新規追加
686	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD7-4.1.x86_64.rpm	EG0900JETKB	HPD7 (D)	HPD7	新規追加
687	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD7-4.1.x86_64.rpm	EG1200JETKC	HPD7 (D)	HPD7	新規追加
688	Online HDD/SSD Flash Component for Linux (x64) - EG1800JEHMD Drive	firmware-hdd-8a2c06af48-HPD6-7.1.x86_64.rpm	EG1800JEHMD	HPD6 (G)	HPD6	新規追加
689	Online HDD/SSD Flash Component for Linux (x64) - EG1800JEMDB Drive	firmware-hdd-0a38b25661-HPD5-6.1.x86_64.rpm	EG1800JEMDB	HPD5 (F)	HPD5	新規追加
690	Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive	firmware-hdd-7fc5497116-HPD7-5.1.x86_64.rpm	EG1800JFHMH	HPD7 (E)	HPD7	新規追加
691	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD5-4.1.x86_64.rpm	EH000900JWCPN	HPD5 (D)	HPD5	新規追加
692	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD5-4.1.x86_64.rpm	EH000600JWCPL	HPD5 (D)	HPD5	新規追加
693	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD5-4.1.x86_64.rpm	EH000300JWCPK	HPD5 (D)	HPD5	新規追加
694	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPD7-4.1.x86_64.rpm	EH000900JWCPH	HPD7 (D)	HPD7	新規追加
695	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPD7-4.1.x86_64.rpm	EH000600JWCPF	HPD7 (D)	HPD7	新規追加
696	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD4-2.1.x86_64.rpm	EH000900JWHPK	HPD4 (B)	HPD4	新規追加
697	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD4-2.1.x86_64.rpm	EH000600JWHPH	HPD4 (B)	HPD4	新規追加
698	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK, EH000600JWHPH and	firmware-hdd-8d68452816-HPD4-2.1.x86_64.rpm	EH000900JWHPK	HPD4 (B)	HPD4	新規追加

	EH000300JWHPL Drives					
699	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD4-2.1.x86_64.rpm	EH000600JWHPN	HPD4 (B)	HPD4	新規追加
700	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD4-2.1.x86_64.rpm	EH000300JWHPL	HPD4 (B)	HPD4	新規追加
701	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	firmware-hdd-1cbab97ff0-HPD5-6.1.x86_64.rpm	EH0300JDXBA	HPD5 (F)	HPD5	新規追加
702	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	firmware-hdd-1cbab97ff0-HPD5-6.1.x86_64.rpm	EH0450JDXBB	HPD5 (F)	HPD5	新規追加
703	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	firmware-hdd-1cbab97ff0-HPD5-6.1.x86_64.rpm	EH0600JDXBC	HPD5 (F)	HPD5	新規追加
704	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd-b9340d29be-HPD6-7.1.x86_64.rpm	EH0300JDYTH	HPD6 (G)	HPD6	新規追加
705	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd-b9340d29be-HPD6-7.1.x86_64.rpm	EH0450JDYTK	HPD6 (G)	HPD6	新規追加
706	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd-b9340d29be-HPD6-7.1.x86_64.rpm	EH0600JDYTL	HPD6 (G)	HPD6	新規追加
707	Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	firmware-hdd-8c4a212ff9-HPD4-7.1.x86_64.rpm	EH0300JEDHC	HPD4 (G)	HPD4	新規追加
708	Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	firmware-hdd-8c4a212ff9-HPD4-7.1.x86_64.rpm	EH0450JEDHD	HPD4 (G)	HPD4	新規追加
709	Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	firmware-hdd-8c4a212ff9-HPD4-7.1.x86_64.rpm	EH0600JEDHE	HPD4 (G)	HPD4	新規追加
710	Online HDD/SSD Flash Component for Linux (x64) - EH0600JDYTN Drive	firmware-hdd-f3faa195ff-HPD7-6.1.x86_64.rpm	EH0600JDYTN	HPD7 (F)	HPD7	新規追加
711	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-2.1.x86_64.rpm	EK0800JVYPN	HPD7 (B)	HPD7	新規追加
712	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-2.1.x86_64.rpm	EO1600JVYPP	HPD7 (B)	HPD7	新規追加
713	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-2.1.x86_64.rpm	MK0800JVYPQ	HPD7 (B)	HPD7	新規追加
714	Online HDD/SSD Flash	firmware-hdd-481c8ea9	MO1600JVYPR	HPD7 (B)	HPD7	新規追加

	Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	a7-HPD7-2.1.x86_64.rpm				
715	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-4.1.x86_64.rpm	EO000400JWDKP	HPD2 (D)	HPD2	新規追加
716	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-4.1.x86_64.rpm	EO000800JWDKQ	HPD2 (D)	HPD2	新規追加
717	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-4.1.x86_64.rpm	EO001600JWDKR	HPD2 (D)	HPD2	新規追加
718	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-4.1.x86_64.rpm	MO000400JWDKU	HPD2 (D)	HPD2	新規追加
719	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-4.1.x86_64.rpm	MO000800JWDKV	HPD2 (D)	HPD2	新規追加
720	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-4.1.x86_64.rpm	MO001600JWDLA	HPD2 (D)	HPD2	新規追加
721	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and	firmware-hdd-5dcf26fa42-HPD2-4.1.x86_64.rpm	MO003200JWDLB	HPD2 (D)	HPD2	新規追加

	MO003200JWDLB Drives					
722	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD3-2.1.x86_64.rpm	MB002000JWFVN	HPD3 (B)	HPD3	新規追加
723	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD3-2.1.x86_64.rpm	MB004000JWFVP	HPD3 (B)	HPD3	新規追加
724	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd-f6d00bd17e-HPD3-2.1.x86_64.rpm	MB004000JWFVK	HPD3 (B)	HPD3	新規追加
725	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd-f6d00bd17e-HPD3-2.1.x86_64.rpm	MB006000JWFVL	HPD3 (B)	HPD3	新規追加
726	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive	firmware-hdd-2c27a7a9a4-HPD1-3.1.x86_64.rpm	MB004000JWKGU	HPD1 (C)	HPD1	新規追加
727	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	firmware-hdd-adb3ab8147-HPD2-2.1.x86_64.rpm	MB004000JWWQB	HPD2 (B)	HPD2	新規追加
728	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	firmware-hdd-adb3ab8147-HPD2-2.1.x86_64.rpm	MB002000JWWQA	HPD2 (B)	HPD2	新規追加
729	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	firmware-hdd-adb3ab8147-HPD2-2.1.x86_64.rpm	MB001000JWWPV	HPD2 (B)	HPD2	新規追加
730	Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGU Drive	firmware-hdd-a886842a99-HPD1-3.1.x86_64.rpm	MB006000JWKGU	HPD1 (C)	HPD1	新規追加
731	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD5-2.1.x86_64.rpm	MB008000JWJRQ	HPD5 (B)	HPD5	新規追加
732	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD5-2.1.x86_64.rpm	MB006000JWJRP	HPD5 (B)	HPD5	新規追加
733	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRTD Drive	firmware-hdd-8b26d1ef02-HPD1-3.1.x86_64.rpm	MB008000JWRTD	HPD1 (C)	HPD1	新規追加
734	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD2-2.1.x86_64.rpm	MB008000JWWQP	HPD2 (B)	HPD2	新規追加
735	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD2-2.1.x86_64.rpm	MB006000JWWQN	HPD2 (B)	HPD2	新規追加
736	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD5-5.1.x86_64.rpm	MB010000JWAYK	HPD5 (E)	HPD5	新規追加
737	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD5-5.1.x86_64.rpm	MB008000JWAYH	HPD5 (E)	HPD5	新規追加
738	Online HDD/SSD Flash	firmware-hdd-aaf1014e	MB012000JWDFD	HPD2 (E)	HPD2	新規追加

	Component for Linux (x64) - MB012000JWDFD Drive	de-HPD2-5.1.x86_64.rpm				
739	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-4.1.x86_64.rpm	MB014000JWRTH	HPD2 (D)	HPD2	新規追加
740	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-4.1.x86_64.rpm	MB012000JWRTF	HPD2 (D)	HPD2	新規追加
741	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-4.1.x86_64.rpm	MB010000JWRTE	HPD2 (D)	HPD2	新規追加
742	Online HDD/SSD Flash Component for Linux (x64) - MB014000JUWDB Drive	firmware-hdd-cfd7436fcc-HPD2-3.1.x86_64.rpm	MB014000JUWDB	HPD2 (C)	HPD2	新規追加
743	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-4.1.x86_64.rpm	MB1000JVYZL	HPD3 (D)	HPD3	新規追加
744	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-4.1.x86_64.rpm	MB2000JVYZN	HPD3 (D)	HPD3	新規追加
745	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-4.1.x86_64.rpm	MB3000JVYZP	HPD3 (D)	HPD3	新規追加
746	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-4.1.x86_64.rpm	MB4000JVYZQ	HPD3 (D)	HPD3	新規追加
747	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-6.1.x86_64.rpm	MB2000JFDSL	HPD4 (F)	HPD4	新規追加
748	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-6.1.x86_64.rpm	MB4000JFDSN	HPD4 (F)	HPD4	新規追加
749	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEML and MB4000JFEMN Drives	firmware-hdd-624b75c7e2-HPD6-6.1.x86_64.rpm	MB2000JFEML	HPD6 (F)	HPD6	新規追加
750	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEML and MB4000JFEMN Drives	firmware-hdd-624b75c7e2-HPD6-6.1.x86_64.rpm	MB4000JFEMN	HPD6 (F)	HPD6	新規追加
751	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEPA and MB4000JFEPB Drives	firmware-hdd-326de7c0f2-HPD5-6.1.x86_64.rpm	MB2000JFEPA	HPD5 (F)	HPD5	新規追加
752	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEPA and MB4000JFEPB Drives	firmware-hdd-326de7c0f2-HPD5-6.1.x86_64.rpm	MB4000JFEPB	HPD5 (F)	HPD5	新規追加
753	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-af802bb412-HPD9-6.1.x86_64.rpm	MB4000JEFNC	HPD9 (F)	HPD9	新規追加

	MB4000JEFNC and MB6000JEFND Drives	m				
754	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEFNC and MB6000JEFND Drives	firmware-hdd-af802bb412-HPD9-6.1.x86_64.rpm	MB6000JEFND	HPD9 (F)	HPD9	新規追加
755	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives	firmware-hdd-2cfaac41db-HPDB-6.1.x86_64.rpm	MB4000JEQNL	HPDB (F)	HPDB	新規追加
756	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives	firmware-hdd-2cfaac41db-HPDB-6.1.x86_64.rpm	MB6000JEQNN	HPDB (F)	HPDB	新規追加
757	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEXYA and MB6000JEXYB Drives	firmware-hdd-0f923833e9-HPD9-4.1.x86_64.rpm	MB4000JEXYA	HPD9 (D)	HPD9	新規追加
758	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEXYA and MB6000JEXYB Drives	firmware-hdd-0f923833e9-HPD9-4.1.x86_64.rpm	MB6000JEXYB	HPD9 (D)	HPD9	新規追加
759	Online HDD/SSD Flash Component for Linux (x64) - MB6000JEQUV and MB8000JEQVA Drives	firmware-hdd-df22f7effd-HPDB-6.1.x86_64.rpm	MB6000JEQUV	HPDB (F)	HPDB	新規追加
760	Online HDD/SSD Flash Component for Linux (x64) - MB6000JEQUV and MB8000JEQVA Drives	firmware-hdd-df22f7effd-HPDB-6.1.x86_64.rpm	MB8000JEQVA	HPDB (F)	HPDB	新規追加
761	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYYV Drive	firmware-hdd-0595c2a887-HPD2-6.1.x86_64.rpm	MB6000JVYYV	HPD2 (F)	HPD2	新規追加
762	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives	firmware-hdd-e800e8d3b9-HPD4-4.1.x86_64.rpm	MB6000JVYZD	HPD4 (D)	HPD4	新規追加
763	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives	firmware-hdd-e800e8d3b9-HPD4-4.1.x86_64.rpm	MB4000JVYZC	HPD4 (D)	HPD4	新規追加
764	Online HDD/SSD Flash Component for Linux (x64) - MB8000JFECQ Drive	firmware-hdd-252770cdda-HPD7-5.1.x86_64.rpm	MB8000JFECQ	HPD7 (E)	HPD7	新規追加
765	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPD8-5.1.x86_64.rpm	MM1000JEFRB	HPD8 (E)	HPD8	新規追加
766	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPD8-5.1.x86_64.rpm	MM2000JEFRC	HPD8 (E)	HPD8	新規追加
767	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD3-5.1.x86_64.rpm	MM1000JFJTH	HPD3 (E)	HPD3	新規追加
768	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60f9a-HPD5-3.1.x86_64.rpm	MO000400JWFVN	HPD5 (C)	HPD5	新規追加
769	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-b8a60f9a-HPD5-3.1.x86_64.rpm	MO000800JWFVP	HPD5 (C)	HPD5	新規追加

	MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	m				
770	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe 9a-HPD5-3.1.x86_64.rp m	MO001600JWFV Q	HPD5 (C)	HPD5	新規追加
771	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe 9a-HPD5-3.1.x86_64.rp m	MO003200JWFV R	HPD5 (C)	HPD5	新規追加
772	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe 9a-HPD5-3.1.x86_64.rp m	MO000960JWFV T	HPD5 (C)	HPD5	新規追加
773	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe 9a-HPD5-3.1.x86_64.rp m	MO001920JWFV U	HPD5 (C)	HPD5	新規追加
774	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe 9a-HPD5-3.1.x86_64.rp m	MO003840JWFV V	HPD5 (C)	HPD5	新規追加
775	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	MO000400JWUFT	HPD1 (D)	HPD1	新規追加
776	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU,	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	MO000800JWUF U	HPD1 (D)	HPD1	新規追加

	MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives					
777	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	MO001600JWUFV	HPD1 (D)	HPD1	新規追加
778	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	MO003200JWUG A	HPD1 (D)	HPD1	新規追加
779	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	MO006400JWUG B	HPD1 (D)	HPD1	新規追加
780	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	EO000400JWUGC	HPD1 (D)	HPD1	新規追加
781	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	EO000800JWUGD	HPD1 (D)	HPD1	新規追加
782	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef931331 61-HPD1-4.1.x86_64.rp m	EO001600JWUGE	HPD1 (D)	HPD1	新規追加

783	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-6.1.x86_64.rpm	EO0800JEFPF	HPD3 (F)	HPD3	新規追加
784	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-6.1.x86_64.rpm	EO0400JEFPE	HPD3 (F)	HPD3	新規追加
785	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-6.1.x86_64.rpm	EO0200JEFPD	HPD3 (F)	HPD3	新規追加
786	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-6.1.x86_64.rpm	MO1600JEFPC	HPD3 (F)	HPD3	新規追加
787	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-6.1.x86_64.rpm	MO0800JEFPB	HPD3 (F)	HPD3	新規追加
788	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-6.1.x86_64.rpm	MO0400JEFPA	HPD3 (F)	HPD3	新規追加
789	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-6.1.x86_64.rpm	MO0200JEFNV	HPD3 (F)	HPD3	新規追加
790	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd-edf6dcd906-HPD9-2.1.x86_64.rpm	MO0400JFFCF	HPD9 (B)	HPD9	新規追加
791	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH,	firmware-hdd-edf6dcd906-HPD9-2.1.x86_64.rpm	MO0800JFFCH	HPD9 (B)	HPD9	新規追加

	MO1600JFFCK and MO3200JFFCL Drives					
792	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd-edf6dcd906-HPD9-2.1.x86_64.rpm	MO1600JFFCK	HPD9 (B)	HPD9	新規追加
793	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd-edf6dcd906-HPD9-2.1.x86_64.rpm	MO3200JFFCL	HPD9 (B)	HPD9	新規追加
794	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-3.1.x86_64.rpm	VK000960JWSSQ	HPD8 (C)	HPD8	新規追加
795	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-3.1.x86_64.rpm	VK001920JWSSR	HPD8 (C)	HPD8	新規追加
796	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-3.1.x86_64.rpm	VK003840JWSST	HPD8 (C)	HPD8	新規追加
797	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-3.1.x86_64.rpm	VK007680JWSSU	HPD8 (C)	HPD8	新規追加
798	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-3.1.x86_64.rpm	VO015300JWSSV	HPD8 (C)	HPD8	新規追加
799	Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	firmware-hdd-2eb810cdd7-HPD8-2.1.x86_64.rpm	VO000480JWDAR	HPD8 (B)	HPD8	新規追加
800	Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	firmware-hdd-2eb810cdd7-HPD8-2.1.x86_64.rpm	VO000960JWDAT	HPD8 (B)	HPD8	新規追加
801	Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and	firmware-hdd-2eb810cdd7-HPD8-2.1.x86_64.rpm	VO001920JWDAU	HPD8 (B)	HPD8	新規追加

	VO003840JWDAV Drives					
802	Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	firmware-hdd-2eb810cdd7-HPD8-2.1.x86_64.rpm	VO003840JWDAV	HPD8 (B)	HPD8	新規追加
803	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	VO000960JWTBK	HPD7 (E)	HPD7	新規追加
804	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	VO001920JWTL	HPD7 (E)	HPD7	新規追加
805	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	VO003840JWTLN	HPD7 (E)	HPD7	新規追加
806	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	VO007680JWTLBP	HPD7 (E)	HPD7	新規追加
807	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK,	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	MO000400JWTLBQ	HPD7 (E)	HPD7	新規追加

	VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLTCB Drives					
808	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLTCB Drives	firmware-hdd-9ad359d ac1-HPD7-5.1.x86_64.r pm	MO000800JWTLBR	HPD7 (E)	HPD7	新規追加
809	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLTCB Drives	firmware-hdd-9ad359d ac1-HPD7-5.1.x86_64.r pm	MO001600JWTLBT	HPD7 (E)	HPD7	新規追加
810	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLTCB Drives	firmware-hdd-9ad359d ac1-HPD7-5.1.x86_64.r pm	MO003200JWTLBU	HPD7 (E)	HPD7	新規追加
811	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and	firmware-hdd-9ad359d ac1-HPD7-5.1.x86_64.r pm	MO006400JWTLCD	HPD7 (E)	HPD7	新規追加

	EO001600JWTCB Drives					
812	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCBD, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	EO000400JWTCBV	HPD7 (E)	HPD7	新規追加
813	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCBD, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	EO000800JWTCBA	HPD7 (E)	HPD7	新規追加
814	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCBD, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	EO001600JWTCB	HPD7 (E)	HPD7	新規追加
815	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT, MO003200JWTCBU, MO006400JWTCBD, EO000400JWTCBV, EO000800JWTCBA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	EO003200JWTC	HPD7 (E)	HPD7	新規追加
816	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTCBN, VO007680JWTCBP, MO000400JWTCBQ, MO000800JWTCBR, MO001600JWTCBT,	firmware-hdd-9ad359dac1-HPD7-5.1.x86_64.rpm	MO001920JWVWV	HPD7 (E)	HPD7	新規追加

	MO003200JWBTBU, MO006400JWTCB, EO000400JWTVB, EO000800JWTCB and EO001600JWTCB Drives					
817	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb 2-HPD3-2.1.x86_64.rpm	VO000960RWUEV	HPD3 (B)	HPD3	新規追加
818	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb 2-HPD3-2.1.x86_64.rpm	VO001920RWUFA	HPD3 (B)	HPD3	新規追加
819	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb 2-HPD3-2.1.x86_64.rpm	VO003840RWUFB	HPD3 (B)	HPD3	新規追加
820	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb 2-HPD3-2.1.x86_64.rpm	VO007680RWUFC	HPD3 (B)	HPD3	新規追加
821	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb 2-HPD3-2.1.x86_64.rpm	VO000960RWUFD	HPD3 (B)	HPD3	新規追加
822	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb 2-HPD3-2.1.x86_64.rpm	VO001920RWUFE	HPD3 (B)	HPD3	新規追加
823	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD,	firmware-hdd-8fafc9efb 2-HPD3-2.1.x86_64.rpm	VO003840RWUFF	HPD3 (B)	HPD3	新規追加

	VO001920RWUFE and VO003840RWUFF Drives					
824	Online HDD/SSD Flash Component for Linux (x64) - VO007680JWCNK and VO015300JWCNL Drives	firmware-hdd-4c048aaeb0-HPD8-2.1.x86_64.rpm	VO007680JWCNK	HPD8 (B)	HPD8	新規追加
825	Online HDD/SSD Flash Component for Linux (x64) - VO007680JWCNK and VO015300JWCNL Drives	firmware-hdd-4c048aaeb0-HPD8-2.1.x86_64.rpm	VO015300JWCNL	HPD8 (B)	HPD8	新規追加
826	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-2.1.x86_64.rpm	VO0480JFDGT	HPD9 (B)	HPD9	新規追加
827	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-2.1.x86_64.rpm	VO0960JFDGU	HPD9 (B)	HPD9	新規追加
828	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-2.1.x86_64.rpm	VO1920JFDGV	HPD9 (B)	HPD9	新規追加
829	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-2.1.x86_64.rpm	VO3840JFDHA	HPD9 (B)	HPD9	新規追加
830	Online HDD/SSD Flash Component for Linux (x64) - VO1920JEUQQ Drive	firmware-hdd-5d9e841607-HPD3-6.1.x86_64.rpm	VO1920JEUQQ	HPD3 (F)	HPD3	新規追加
831	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive	CP044494.zip	EG000300JWBHR	HPD4 (E)	HPD4	新規追加
832	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive	CP043779.zip	EG000300JWFVB	HPD2 (F)	HPD2	新規追加
833	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive	CP043828.zip	EG000600JWJNH	HPD2 (D)	HPD2	新規追加
834	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive	CP043828.zip	EG001200JWJNK	HPD2 (D)	HPD2	新規追加
835	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive	CP043828.zip	EG000300JWSJP	HPD2 (D)	HPD2	新規追加
836	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP043780.zip	EG000600JWFUV	HPD3 (F)	HPD3	新規追加
837	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP043780.zip	EG001200JWFVA	HPD3 (F)	HPD3	新規追加

838	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP and EG001200JWJNQ Drives	CP043849.zip	EG000600JWJNP	HPD3 (C)	HPD3	新規追加
839	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP and EG001200JWJNQ Drives	CP043849.zip	EG001200JWJNQ	HPD3 (C)	HPD3	新規追加
840	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive	CP043768.zip	EG001800JWFVC	HPD3 (D)	HPD3	新規追加
841	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drive	CP043821.zip	EG001800JWJNL	HPD2 (E)	HPD2	新規追加
842	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drive	CP043821.zip	EG002400JWJNN	HPD2 (E)	HPD2	新規追加
843	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR and EG002400JWJNT Drives	CP043848.zip	EG001800JWJNR	HPD5 (C)	HPD5	新規追加
844	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR and EG002400JWJNT Drives	CP043848.zip	EG002400JWJNT	HPD5 (C)	HPD5	新規追加
845	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	CP043769.zip	EG0300FCSPH	HPD2 (G)	HPD2	新規追加
846	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	CP043769.zip	EG0450FCSPK	HPD2 (G)	HPD2	新規追加
847	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	CP043769.zip	EG0600FCSP	HPD2 (G)	HPD2	新規追加
848	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	CP043769.zip	EG0900FCSPN	HPD2 (G)	HPD2	新規追加
849	Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives	CP043841.zip	EG0300JEHLV	HPD5 (H)	HPD5	新規追加
850	Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives	CP043841.zip	EG0600JEHMA	HPD5 (H)	HPD5	新規追加
851	Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives	CP043841.zip	EG0900JEHMB	HPD5 (H)	HPD5	新規追加
852	Online HDD/SSD Flash	CP043841.zip	EG1200JEHMC	HPD5 (H)	HPD5	新規追加

	Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives					
853	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP043839.zip	EG0600JEMCV	HPD6 (G)	HPD6	新規追加
854	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP043839.zip	EG1200JEMDA	HPD6 (G)	HPD6	新規追加
855	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP043839.zip	EG0300JFCKA	HPD6 (G)	HPD6	新規追加
856	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP043839.zip	EG0900JFCKB	HPD6 (G)	HPD6	新規追加
857	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP043758.zip	EG0600JETKA	HPD7 (D)	HPD7	新規追加
858	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP043758.zip	EG0900JETKB	HPD7 (D)	HPD7	新規追加
859	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP043758.zip	EG1200JETKC	HPD7 (D)	HPD7	新規追加
860	Online HDD/SSD Flash Component for VMware ESXi - EG1800JEHMD Drive	CP043781.zip	EG1800JEHMD	HPD6 (H)	HPD6	新規追加
861	Online HDD/SSD Flash Component for VMware ESXi - EG1800JEMDB Drive	CP043759.zip	EG1800JEMDB	HPD5 (G)	HPD5	新規追加
862	Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive	CP043782.zip	EG1800JFHMH	HPD7 (F)	HPD7	新規追加
863	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP043771.zip	EH000300JWCPK	HPD5 (D)	HPD5	新規追加
864	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP043771.zip	EH000600JWCPL	HPD5 (D)	HPD5	新規追加
865	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP043771.zip	EH000900JWCPN	HPD5 (D)	HPD5	新規追加
866	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP043770.zip	EH000900JWCPH	HPD7 (D)	HPD7	新規追加
867	Online HDD/SSD Flash	CP043770.zip	EH000600JWCPF	HPD7 (D)	HPD7	新規追加

	Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives					
868	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP043743.zip	EH000900JWHPK	HPD4 (C)	HPD4	新規追加
869	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP043743.zip	EH000600JWHPH	HPD4 (C)	HPD4	新規追加
870	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP043829.zip	EH000900JWHPP	HPD4 (C)	HPD4	新規追加
871	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP043829.zip	EH000600JWHPN	HPD4 (C)	HPD4	新規追加
872	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP043829.zip	EH000300JWHPL	HPD4 (C)	HPD4	新規追加
873	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	CP043760.zip	EH0300JDXBA	HPD5 (G)	HPD5	新規追加
874	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	CP043760.zip	EH0450JDXBB	HPD5 (G)	HPD5	新規追加
875	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	CP043760.zip	EH0600JDXBC	HPD5 (G)	HPD5	新規追加
876	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP043783.zip	EH0300JDYTH	HPD6 (H)	HPD6	新規追加
877	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP043783.zip	EH0450JDYTK	HPD6 (H)	HPD6	新規追加
878	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP043783.zip	EH0600JDYTL	HPD6 (H)	HPD6	新規追加
879	Online HDD/SSD Flash Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	CP043761.zip	EH0300JEDHC	HPD4 (H)	HPD4	新規追加
880	Online HDD/SSD Flash Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	CP043761.zip	EH0450JEDHD	HPD4 (H)	HPD4	新規追加

881	Online HDD/SSD Flash Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	CP043761.zip	EH0600JEDHE	HPD4 (H)	HPD4	新規追加
882	Online HDD/SSD Flash Component for VMware ESXi - EH0600JDYTN Drive	CP043798.zip	EH0600JDYTN	HPD7 (F)	HPD7	新規追加
883	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP044215.zip	EK0800JVYPN	HPD7 (B)	HPD7	新規追加
884	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP044215.zip	EO1600JVYPP	HPD7 (B)	HPD7	新規追加
885	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP044215.zip	MK0800JVYPQ	HPD7 (B)	HPD7	新規追加
886	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP044215.zip	MO1600JVYPR	HPD7 (B)	HPD7	新規追加
887	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP043788.zip	EO000400JWDKP	HPD2 (D)	HPD2	新規追加
888	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP043788.zip	EO000800JWDKQ	HPD2 (D)	HPD2	新規追加
889	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP043788.zip	EO001600JWDKR	HPD2 (D)	HPD2	新規追加
890	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP043788.zip	MO000400JWDK U	HPD2 (D)	HPD2	新規追加
891	Online HDD/SSD Flash Component for VMware ESXi	CP043788.zip	MO000800JWDK V	HPD2 (D)	HPD2	新規追加

	- EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives					
892	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP043788.zip	MO001600JWDLA	HPD2 (D)	HPD2	新規追加
893	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP043788.zip	MO003200JWDLB	HPD2 (D)	HPD2	新規追加
894	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP043832.zip	MB002000JWFVN	HPD3 (C)	HPD3	新規追加
895	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP043832.zip	MB004000JWFVP	HPD3 (C)	HPD3	新規追加
896	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP043847.zip	MB004000JWFVK	HPD3 (C)	HPD3	新規追加
897	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP043847.zip	MB006000JWFVL	HPD3 (C)	HPD3	新規追加
898	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive	CP043818.zip	MB004000JWKGU	HPD1 (D)	HPD1	新規追加
899	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	CP044219.zip	MB004000JWWQ B	HPD2 (B)	HPD2	新規追加
900	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	CP044219.zip	MB002000JWWQ A	HPD2 (B)	HPD2	新規追加
901	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	CP044219.zip	MB001000JWWP V	HPD2 (B)	HPD2	新規追加
902	Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive	CP043819.zip	MB006000JWKGN	HPD1 (D)	HPD1	新規追加
903	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP044156.zip	MB008000JWJRQ	HPD5 (B)	HPD5	新規追加

904	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP044156.zip	MB006000JWJRP	HPD5 (B)	HPD5	新規追加
905	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive	CP043822.zip	MB008000JWRTD	HPD1 (D)	HPD1	新規追加
906	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP044203.zip	MB008000JWWQP	HPD2 (B)	HPD2	新規追加
907	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP044203.zip	MB006000JWWQN	HPD2 (B)	HPD2	新規追加
908	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP043784.zip	MB010000JWAYK	HPD5 (E)	HPD5	新規追加
909	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP043784.zip	MB008000JWAYH	HPD5 (E)	HPD5	新規追加
910	Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive	CP043803.zip	MB012000JWDFD	HPD2 (E)	HPD2	新規追加
911	Online HDD/SSD Flash Component for VMware ESXi - MB014000JUWDB Drive	CP043831.zip	MB014000JUWDB	HPD2 (D)	HPD2	新規追加
912	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP043790.zip	MB1000JVYZL	HPD3 (D)	HPD3	新規追加
913	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP043790.zip	MB2000JVYZN	HPD3 (D)	HPD3	新規追加
914	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP043790.zip	MB3000JVYZP	HPD3 (D)	HPD3	新規追加
915	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP043790.zip	MB4000JVYZQ	HPD3 (D)	HPD3	新規追加
916	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP043858.zip	MB2000JFDSL	HPD4 (G)	HPD4	新規追加
917	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP043858.zip	MB4000JFDSN	HPD4 (G)	HPD4	新規追加
918	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP043785.zip	MB2000JFEML	HPD6 (G)	HPD6	新規追加
919	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP043785.zip	MB4000JFEMN	HPD6 (G)	HPD6	新規追加
920	Online HDD/SSD Flash	CP043857.zip	MB2000JFEPA	HPD5 (G)	HPD5	新規追加

	Component for VMware ESXi - MB2000JFEPA and MB4000JFEPB Drives					
921	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEPA and MB4000JFEPB Drives	CP043857.zip	MB4000JFEPB	HPD5 (G)	HPD5	新規追加
922	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEFNC and MB6000JEFND Drives	CP043764.zip	MB4000JEFNC	HPD9 (G)	HPD9	新規追加
923	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEFNC and MB6000JEFND Drives	CP043764.zip	MB6000JEFND	HPD9 (G)	HPD9	新規追加
924	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP043765.zip	MB4000JEQNL	HPDB (G)	HPDB	新規追加
925	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP043765.zip	MB6000JEQNN	HPDB (G)	HPDB	新規追加
926	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEXYA and MB6000JEXYB Drives	CP043805.zip	MB4000JEXYA	HPD9 (D)	HPD9	新規追加
927	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEXYA and MB6000JEXYB Drives	CP043805.zip	MB6000JEXYB	HPD9 (D)	HPD9	新規追加
928	Online HDD/SSD Flash Component for VMware ESXi - MB6000JEQUV and MB8000JEQVA Drives	CP043774.zip	MB6000JEQUV	HPDB (G)	HPDB	新規追加
929	Online HDD/SSD Flash Component for VMware ESXi - MB6000JEQUV and MB8000JEQVA Drives	CP043774.zip	MB8000JEQVA	HPDB (G)	HPDB	新規追加
930	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYV Drive	CP043854.zip	MB6000JVYV	HPD2 (G)	HPD2	新規追加
931	Online HDD/SSD Flash Component for VMware ESXi - MB8000JFECQ Drive	CP043853.zip	MB8000JFECQ	HPD7 (F)	HPD7	新規追加
932	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP043838.zip	MM1000JEFRB	HPD8 (F)	HPD8	新規追加
933	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP043838.zip	MM2000JEFRC	HPD8 (F)	HPD8	新規追加
934	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP043775.zip	MM1000JFJTH	HPD3 (F)	HPD3	新規追加
935	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWFQ, MO003200JFWFR, MO000960JFWFT, MO001920JFWFU and MO003840JFWFV Drives	CP043826.zip	MO000400JFWFN N	HPD5 (D)	HPD5	新規追加
936	Online HDD/SSD Flash	CP043826.zip	MO000800JFWFV	HPD5 (D)	HPD5	新規追加

	Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives		P			
937	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP043826.zip	MO001600JWFV Q	HPD5 (D)	HPD5	新規追加
938	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP043826.zip	MO003200JWFV R	HPD5 (D)	HPD5	新規追加
939	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP043826.zip	MO000960JWFV T	HPD5 (D)	HPD5	新規追加
940	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP043826.zip	MO001920JWFV U	HPD5 (D)	HPD5	新規追加
941	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP043826.zip	MO003840JWFV V	HPD5 (D)	HPD5	新規追加
942	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP043808.zip	MO000400JWUF T	HPD1 (D)	HPD1	新規追加
943	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUF T,	CP043808.zip	MO000800JWUF U	HPD1 (D)	HPD1	新規追加

	MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives					
944	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP043808.zip	MO001600JWUFV	HPD1 (D)	HPD1	新規追加
945	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP043808.zip	MO003200JWUG A	HPD1 (D)	HPD1	新規追加
946	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP043808.zip	MO006400JWUG B	HPD1 (D)	HPD1	新規追加
947	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP043808.zip	EO000400JWUGC	HPD1 (D)	HPD1	新規追加
948	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP043808.zip	EO000800JWUGD	HPD1 (D)	HPD1	新規追加
949	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and	CP043808.zip	EO001600JWUGE	HPD1 (D)	HPD1	新規追加

	EO001600JWUGE Drives					
950	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP043752.zip	EO0800JEFPF	HPD3 (G)	HPD3	新規追加
951	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP043752.zip	EO0400JEFPE	HPD3 (G)	HPD3	新規追加
952	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP043752.zip	EO0200JEFPD	HPD3 (G)	HPD3	新規追加
953	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP043752.zip	MO1600JEFPC	HPD3 (G)	HPD3	新規追加
954	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP043752.zip	MO0800JEFPB	HPD3 (G)	HPD3	新規追加
955	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP043752.zip	MO0400JEFPA	HPD3 (G)	HPD3	新規追加
956	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP043752.zip	MO0200JEFNV	HPD3 (G)	HPD3	新規追加
957	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP043791.zip	MO0400JFFCF	HPD9 (B)	HPD9	新規追加
958	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF,	CP043791.zip	MO0800JFFCH	HPD9 (B)	HPD9	新規追加

	MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives					
959	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP043791.zip	MO1600JFFCK	HPD9 (B)	HPD9	新規追加
960	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP043791.zip	MO3200JFFCL	HPD9 (B)	HPD9	新規追加
961	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP043834.zip	VK000960JWSSQ	HPD8 (C)	HPD8	新規追加
962	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP043834.zip	VK001920JWSSR	HPD8 (C)	HPD8	新規追加
963	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP043834.zip	VK003840JWSST	HPD8 (C)	HPD8	新規追加
964	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP043834.zip	VK007680JWSSU	HPD8 (C)	HPD8	新規追加
965	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP043834.zip	VO015300JWSSV	HPD8 (C)	HPD8	新規追加
966	Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	CP044493.zip	VO000480JWDAR	HPD8 (D)	HPD8	新規追加
967	Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	CP044493.zip	VO000960JWDAT	HPD8 (D)	HPD8	新規追加
968	Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT,	CP044493.zip	VO001920JWDAU	HPD8 (D)	HPD8	新規追加

	VO001920JWDAU and VO003840JWDAV Drives					
969	Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	CP044493.zip	VO003840JWDAV	HPD8 (D)	HPD8	新規追加
970	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLB, MO000400JWTLQ, MO000800JWTLR, MO001600JWTLT, MO003200JWTLU, MO006400JWTLCD, EO000400JWTLV, EO000800JWTLCA, EO001600JWTLCB Drives	CP043816.zip	VO000960JWTBK	HPD7 (D)	HPD7	新規追加
971	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLB, MO000400JWTLQ, MO000800JWTLR, MO001600JWTLT, MO003200JWTLU, MO006400JWTLCD, EO000400JWTLV, EO000800JWTLCA, EO001600JWTLCB Drives	CP043816.zip	VO001920JWTL	HPD7 (D)	HPD7	新規追加
972	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLB, MO000400JWTLQ, MO000800JWTLR, MO001600JWTLT, MO003200JWTLU, MO006400JWTLCD, EO000400JWTLV, EO000800JWTLCA, EO001600JWTLCB Drives	CP043816.zip	VO003840JWTLN	HPD7 (D)	HPD7	新規追加
973	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLB, MO000400JWTLQ, MO000800JWTLR, MO001600JWTLT, MO003200JWTLU, MO006400JWTLCD, EO000400JWTLV, EO000800JWTLCA, EO001600JWTLCB Drives	CP043816.zip	VO007680JWTLB	HPD7 (D)	HPD7	新規追加
974	Online HDD/SSD Flash Component for VMware ESXi	CP043816.zip	MO000400JWTLQ	HPD7 (D)	HPD7	新規追加

	- VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives					
975	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives	CP043816.zip	MO000800JWTKR	HPD7 (D)	HPD7	新規追加
976	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives	CP043816.zip	MO001600JWTKT	HPD7 (D)	HPD7	新規追加
977	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives	CP043816.zip	MO003200JWTKU	HPD7 (D)	HPD7	新規追加
978	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV,	CP043816.zip	MO006400JWTKD	HPD7 (D)	HPD7	新規追加

	EO000800JWTC A, EO001600JWTC B Drives					
979	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTC BK, VO001920JWTC BL, VO003840JWTC BN, VO007680JWTC BP, MO000400JWTC BQ, MO000800JWTC BR, MO001600JWTC BT, MO003200JWTC BU, MO006400JWTC CD, EO000400JWTC BV, EO000800JWTC A, EO001600JWTC B Drives	CP043816.zip	EO000400JWTC BV	HPD7 (D)	HPD7	新規追加
980	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTC BK, VO001920JWTC BL, VO003840JWTC BN, VO007680JWTC BP, MO000400JWTC BQ, MO000800JWTC BR, MO001600JWTC BT, MO003200JWTC BU, MO006400JWTC CD, EO000400JWTC BV, EO000800JWTC A, EO001600JWTC B Drives	CP043816.zip	EO000800JWTC A	HPD7 (D)	HPD7	新規追加
981	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTC BK, VO001920JWTC BL, VO003840JWTC BN, VO007680JWTC BP, MO000400JWTC BQ, MO000800JWTC BR, MO001600JWTC BT, MO003200JWTC BU, MO006400JWTC CD, EO000400JWTC BV, EO000800JWTC A, EO001600JWTC B Drives	CP043816.zip	EO001600JWTC B	HPD7 (D)	HPD7	新規追加
982	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTC BK, VO001920JWTC BL, VO003840JWTC BN, VO007680JWTC BP, MO000400JWTC BQ, MO000800JWTC BR, MO001600JWTC BT, MO003200JWTC BU, MO006400JWTC CD, EO000400JWTC BV, EO000800JWTC A, EO001600JWTC B Drives	CP043816.zip	EO003200JWTC C	HPD7 (D)	HPD7	新規追加
983	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTC BK, VO001920JWTC BL, VO003840JWTC BN, VO007680JWTC BP, MO000400JWTC BQ, MO000800JWTC BR,	CP043816.zip	MO001920JWTC W WV	HPD7 (D)	HPD7	新規追加

	MO001600JWBTB, MO003200JWBTBU, MO006400JWTCB, EO000400JWTVB, EO000800JWTCB, EO001600JWTCB Drives					
984	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP043850.zip	VO000960RWUEV	HPD3 (C)	HPD3	新規追加
985	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP043850.zip	VO001920RWUFA	HPD3 (C)	HPD3	新規追加
986	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP043850.zip	VO003840RWUFB	HPD3 (C)	HPD3	新規追加
987	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP043850.zip	VO007680RWUFC	HPD3 (C)	HPD3	新規追加
988	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP043850.zip	VO000960RWUFD	HPD3 (C)	HPD3	新規追加
989	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP043850.zip	VO001920RWUFE	HPD3 (C)	HPD3	新規追加
990	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC,	CP043850.zip	VO003840RWUFF	HPD3 (C)	HPD3	新規追加

	VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives					
991	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP043835.zip	VO007680JWCNK	HPD8 (C)	HPD8	新規追加
992	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP043835.zip	VO015300JWCNL	HPD8 (C)	HPD8	新規追加
993	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP043845.zip	VO0480JFDGT	HPD9 (B)	HPD9	新規追加
994	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP043845.zip	VO0960JFDGU	HPD9 (B)	HPD9	新規追加
995	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP043845.zip	VO1920JFDGV	HPD9 (B)	HPD9	新規追加
996	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP043845.zip	VO3840JFDHA	HPD9 (B)	HPD9	新規追加
997	Online HDD/SSD Flash Component for VMware ESXi - VO1920JEUQQ Drive	CP043777.zip	VO1920JEUQQ	HPD3 (G)	HPD3	新規追加
998	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP043825.zip	MB014000JWRTH	HPD2 (D)	HPD2	新規追加
999	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP043825.zip	MB012000JWRTE	HPD2 (D)	HPD2	新規追加
1000	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP043825.zip	MB010000JWRTE	HPD2 (D)	HPD2	新規追加
1001	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive	cp043897.exe	EG000300JWBHR	HPD4 (C)	HPD4	新規追加
1002	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive	cp043922.exe	EG000300JWFVB	HPD2 (D)	HPD2	新規追加
1003	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp043960.exe	EG000300JWSJP	HPD2 (C)	HPD2	新規追加
1004	Online HDD/SSD Flash	cp043960.exe	EG000600JWJNH	HPD2 (C)	HPD2	新規追加

	Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives					
1005	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp043960.exe	EG001200JWJNK	HPD2 (C)	HPD2	新規追加
1006	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp043921.exe	EG000600JWFUV	HPD3 (D)	HPD3	新規追加
1007	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp043921.exe	EG001200JWFVA	HPD3 (D)	HPD3	新規追加
1008	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP and EG001200JWJNQ Drives	cp043966.exe	EG000600JWJNP	HPD3 (B)	HPD3	新規追加
1009	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP and EG001200JWJNQ Drives	cp043966.exe	EG001200JWJNQ	HPD3 (B)	HPD3	新規追加
1010	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive	cp043908.exe	EG001800JWFVC	HPD3 (C)	HPD3	新規追加
1011	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp043973.exe	EG001800JWJNL	HPD2 (D)	HPD2	新規追加
1012	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp043973.exe	EG002400JWJNN	HPD2 (D)	HPD2	新規追加
1013	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR and EG002400JWJNT Drives	cp043965.exe	EG001800JWJNR	HPD5 (B)	HPD5	新規追加
1014	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR and EG002400JWJNT Drives	cp043965.exe	EG002400JWJNT	HPD5 (B)	HPD5	新規追加
1015	Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPN and EG0900FCSPN Drives	cp043898.exe	EG0300FCSPH	HPD2 (E)	HPD2	新規追加
1016	Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPN and EG0900FCSPN Drives	cp043898.exe	EG0450FCSPK	HPD2 (E)	HPD2	新規追加
1017	Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPN and EG0900FCSPN Drives	cp043898.exe	EG0600FCSPN	HPD2 (E)	HPD2	新規追加
1018	Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPN and EG0900FCSPN Drives	cp043898.exe	EG0900FCSPN	HPD2 (E)	HPD2	新規追加
1019	Online HDD/SSD Flash Component for Windows	cp043909.exe	EG0300JEHLV	HPD5 (F)	HPD5	新規追加

	(x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives					
1020	Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	cp043909.exe	EG0600JEHMA	HPD5 (F)	HPD5	新規追加
1021	Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	cp043909.exe	EG0900JEHMB	HPD5 (F)	HPD5	新規追加
1022	Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	cp043909.exe	EG1200JEHMC	HPD5 (F)	HPD5	新規追加
1023	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp043879.exe	EG0600JEMCV	HPD6 (E)	HPD6	新規追加
1024	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp043879.exe	EG1200JEMDA	HPD6 (E)	HPD6	新規追加
1025	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp043879.exe	EG0300JFCKA	HPD6 (E)	HPD6	新規追加
1026	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp043879.exe	EG0900JFCKB	HPD6 (E)	HPD6	新規追加
1027	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp043884.exe	EG0600JETKA	HPD7 (C)	HPD7	新規追加
1028	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp043884.exe	EG0900JETKB	HPD7 (C)	HPD7	新規追加
1029	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp043884.exe	EG1200JETKC	HPD7 (C)	HPD7	新規追加
1030	Online HDD/SSD Flash Component for Windows (x64) - EG1800JEHMD Drive	cp043910.exe	EG1800JEHMD	HPD6 (F)	HPD6	新規追加
1031	Online HDD/SSD Flash Component for Windows (x64) - EG1800JEMDB Drive	cp043940.exe	EG1800JEMDB	HPD5 (E)	HPD5	新規追加
1032	Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive	cp043912.exe	EG1800JFHMH	HPD7 (E)	HPD7	新規追加

1033	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp043903.exe	EH000300JWCPK	HPD5 (C)	HPD5	新規追加
1034	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp043903.exe	EH000600JWCPL	HPD5 (C)	HPD5	新規追加
1035	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp043903.exe	EH000900JWCPN	HPD5 (C)	HPD5	新規追加
1036	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp043902.exe	EH000900JWCPH	HPD7 (C)	HPD7	新規追加
1037	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp043902.exe	EH000600JWCPF	HPD7 (C)	HPD7	新規追加
1038	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp043964.exe	EH000900JWHPK	HPD4 (B)	HPD4	新規追加
1039	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp043964.exe	EH000600JWHPH	HPD4 (B)	HPD4	新規追加
1040	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp043963.exe	EH000900JWHPP	HPD4 (B)	HPD4	新規追加
1041	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp043963.exe	EH000600JWHPN	HPD4 (B)	HPD4	新規追加
1042	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp043963.exe	EH000300JWHPL	HPD4 (B)	HPD4	新規追加
1043	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	cp043882.exe	EH0300JDXBA	HPD5 (E)	HPD5	新規追加
1044	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	cp043882.exe	EH0450JDXBB	HPD5 (E)	HPD5	新規追加
1045	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	cp043882.exe	EH0600JDXBC	HPD5 (E)	HPD5	新規追加
1046	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp043911.exe	EH0300JDYTH	HPD6 (F)	HPD6	新規追加

1047	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp043911.exe	EH0450JDYTK	HPD6 (F)	HPD6	新規追加
1048	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp043911.exe	EH0600JDYTL	HPD6 (F)	HPD6	新規追加
1049	Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	cp043875.exe	EH0300JEDHC	HPD4 (G)	HPD4	新規追加
1050	Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	cp043875.exe	EH0450JEDHD	HPD4 (G)	HPD4	新規追加
1051	Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	cp043875.exe	EH0600JEDHE	HPD4 (G)	HPD4	新規追加
1052	Online HDD/SSD Flash Component for Windows (x64) - EH0600JDYTN Drive	cp043926.exe	EH0600JDYTN	HPD7 (D)	HPD7	新規追加
1053	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp044216.exe	EK0800JVYPN	HPD7 (B)	HPD7	新規追加
1054	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp044216.exe	EO1600JVYPP	HPD7 (B)	HPD7	新規追加
1055	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp044216.exe	MK0800JVYPQ	HPD7 (B)	HPD7	新規追加
1056	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp044216.exe	MO1600JVYPR	HPD7 (B)	HPD7	新規追加
1057	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp043918.exe	EO000400JWDKP	HPD2 (C)	HPD2	新規追加
1058	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp043918.exe	EO000800JWDKQ	HPD2 (C)	HPD2	新規追加

1059	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp043918.exe	EO001600JWDKR	HPD2 (C)	HPD2	新規追加
1060	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp043918.exe	MO000400JWDK U	HPD2 (C)	HPD2	新規追加
1061	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp043918.exe	MO000800JWDK V	HPD2 (C)	HPD2	新規追加
1062	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp043918.exe	MO001600JWDLA	HPD2 (C)	HPD2	新規追加
1063	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp043918.exe	MO003200JWDLB	HPD2 (C)	HPD2	新規追加
1064	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFFVN and MB004000JWFFVP Drives	cp043968.exe	MB002000JWFFVN	HPD3 (B)	HPD3	新規追加
1065	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFFVN and MB004000JWFFVP Drives	cp043968.exe	MB004000JWFFVP	HPD3 (B)	HPD3	新規追加
1066	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFFVK and MB006000JWFFVL Drives	cp043967.exe	MB004000JWFFVK	HPD3 (B)	HPD3	新規追加
1067	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFFVK and MB006000JWFFVL Drives	cp043967.exe	MB006000JWFFVL	HPD3 (B)	HPD3	新規追加
1068	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive	cp043954.exe	MB004000JWKGU	HPD1 (C)	HPD1	新規追加
1069	Online HDD/SSD Flash	cp044220.exe	MB004000JWWQ	HPD2 (B)	HPD2	新規追加

	Component for Windows (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives		B			
1070	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	cp044220.exe	MB002000JWWQ A	HPD2 (B)	HPD2	新規追加
1071	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	cp044220.exe	MB001000JWWP V	HPD2 (B)	HPD2	新規追加
1072	Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive	cp043953.exe	MB006000JWKGN	HPD1 (C)	HPD1	新規追加
1073	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp044157.exe	MB008000JWJRQ	HPD5 (B)	HPD5	新規追加
1074	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp044157.exe	MB006000JWJRP	HPD5 (B)	HPD5	新規追加
1075	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRD Drive	cp043951.exe	MB008000JWRD	HPD1 (C)	HPD1	新規追加
1076	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp044201.exe	MB008000JWWQ P	HPD2 (B)	HPD2	新規追加
1077	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp044201.exe	MB006000JWWQ N	HPD2 (B)	HPD2	新規追加
1078	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp043913.exe	MB010000JWAYK	HPD5 (D)	HPD5	新規追加
1079	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp043913.exe	MB008000JWAYH	HPD5 (D)	HPD5	新規追加
1080	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp043923.exe	MB012000JWDFD	HPD2 (D)	HPD2	新規追加
1081	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp043950.exe	MB014000JWRTH	HPD2 (C)	HPD2	新規追加
1082	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp043950.exe	MB012000JWRTF	HPD2 (C)	HPD2	新規追加
1083	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and	cp043950.exe	MB010000JWRTE	HPD2 (C)	HPD2	新規追加

	MB01000JWRTE Drives					
1084	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive	cp043958.exe	MB014000JWUDB	HPD2 (C)	HPD2	新規追加
1085	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp043930.exe	MB1000JVYZL	HPD3 (C)	HPD3	新規追加
1086	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp043930.exe	MB2000JVYZN	HPD3 (C)	HPD3	新規追加
1087	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp043930.exe	MB3000JVYZP	HPD3 (C)	HPD3	新規追加
1088	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp043930.exe	MB4000JVYZQ	HPD3 (C)	HPD3	新規追加
1089	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp043887.exe	MB2000JFDSL	HPD4 (E)	HPD4	新規追加
1090	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp043887.exe	MB4000JFDSN	HPD4 (E)	HPD4	新規追加
1091	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives	cp043914.exe	MB2000JFEML	HPD6 (E)	HPD6	新規追加
1092	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives	cp043914.exe	MB4000JFEMN	HPD6 (E)	HPD6	新規追加
1093	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEPA and MB4000JFEPB Drives	cp043888.exe	MB2000JFEPA	HPD5 (E)	HPD5	新規追加
1094	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEPA and MB4000JFEPB Drives	cp043888.exe	MB4000JFEPB	HPD5 (E)	HPD5	新規追加
1095	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEFNC and MB6000JEFND Drives	cp043881.exe	MB4000JEFNC	HPD9 (E)	HPD9	新規追加
1096	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEFNC and MB6000JEFND Drives	cp043881.exe	MB6000JEFND	HPD9 (E)	HPD9	新規追加
1097	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp043876.exe	MB4000JEQNL	HPDB (E)	HPDB	新規追加
1098	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp043876.exe	MB6000JEQNN	HPDB (E)	HPDB	新規追加
1099	Online HDD/SSD Flash	cp043900.exe	MB4000JEXYA	HPD9 (C)	HPD9	新規追加

	Component for Windows (x64) - MB4000JEXYA and MB6000JEXYB Drives					
1100	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEXYA and MB6000JEXYB Drives	cp043900.exe	MB6000JEXYB	HPD9 (C)	HPD9	新規追加
1101	Online HDD/SSD Flash Component for Windows (x64) - MB6000JEQUV and MB8000JEQVA Drives	cp043893.exe	MB6000JEQUV	HPDB (E)	HPDB	新規追加
1102	Online HDD/SSD Flash Component for Windows (x64) - MB6000JEQUV and MB8000JEQVA Drives	cp043893.exe	MB8000JEQVA	HPDB (E)	HPDB	新規追加
1103	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYYV Drive	cp043901.exe	MB6000JVYYV	HPD2 (E)	HPD2	新規追加
1104	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives	cp043917.exe	MB6000JVYZD	HPD4 (C)	HPD4	新規追加
1105	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives	cp043917.exe	MB4000JVYZC	HPD4 (C)	HPD4	新規追加
1106	Online HDD/SSD Flash Component for Windows (x64) - MB8000JFECQ Drive	cp043899.exe	MB8000JFECQ	HPD7 (D)	HPD7	新規追加
1107	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp043878.exe	MM1000JEFRB	HPD8 (D)	HPD8	新規追加
1108	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp043878.exe	MM2000JEFRC	HPD8 (D)	HPD8	新規追加
1109	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp043891.exe	MM1000JFJTH	HPD3 (D)	HPD3	新規追加
1110	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp043948.exe	MO000400JWFWN	HPD5 (C)	HPD5	新規追加
1111	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp043948.exe	MO000800JWFWP	HPD5 (C)	HPD5	新規追加
1112	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and	cp043948.exe	MO001600JWFWQ	HPD5 (C)	HPD5	新規追加

	MO003840JFWFV Drives					
1113	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JFWFV Drives	cp043948.exe	MO003200JFWFR	HPD5 (C)	HPD5	新規追加
1114	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JFWFV Drives	cp043948.exe	MO000960JFWFT	HPD5 (C)	HPD5	新規追加
1115	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JFWFV Drives	cp043948.exe	MO001920JFWFU	HPD5 (C)	HPD5	新規追加
1116	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JFWFV Drives	cp043948.exe	MO003840JFWFV	HPD5 (C)	HPD5	新規追加
1117	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp043935.exe	MO000400JWUFT	HPD1 (C)	HPD1	新規追加
1118	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp043935.exe	MO000800JWUFU	HPD1 (C)	HPD1	新規追加
1119	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and	cp043935.exe	MO001600JWUFV	HPD1 (C)	HPD1	新規追加

	EO001600JWUGE Drives					
1120	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp043935.exe	MO003200JWUG A	HPD1 (C)	HPD1	新規追加
1121	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp043935.exe	MO006400JWUG B	HPD1 (C)	HPD1	新規追加
1122	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp043935.exe	EO000400JWUGC	HPD1 (C)	HPD1	新規追加
1123	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp043935.exe	EO000800JWUGD	HPD1 (C)	HPD1	新規追加
1124	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp043935.exe	EO001600JWUGE	HPD1 (C)	HPD1	新規追加
1125	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPE Drives	cp043873.exe	EO0800JEFPE	HPD3 (E)	HPD3	新規追加
1126	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and	cp043873.exe	EO0400JEFPE	HPD3 (E)	HPD3	新規追加

	EO0800JEFPPF Drives					
1127	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPPF Drives	cp043873.exe	EO0200JEFPD	HPD3 (E)	HPD3	新規追加
1128	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPPF Drives	cp043873.exe	MO1600JEFPC	HPD3 (E)	HPD3	新規追加
1129	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPPF Drives	cp043873.exe	MO0800JEFPB	HPD3 (E)	HPD3	新規追加
1130	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPPF Drives	cp043873.exe	MO0400JEFPA	HPD3 (E)	HPD3	新規追加
1131	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPPF Drives	cp043873.exe	MO0200JEFNV	HPD3 (E)	HPD3	新規追加
1132	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp043975.exe	MO0400JFFCF	HPD9 (B)	HPD9	新規追加
1133	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp043975.exe	MO0800JFFCH	HPD9 (B)	HPD9	新規追加
1134	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp043975.exe	MO1600JFFCK	HPD9 (B)	HPD9	新規追加
1135	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp043975.exe	MO3200JFFCL	HPD9 (B)	HPD9	新規追加
1136	Online HDD/SSD Flash	cp043573.exe	VK000960JWSSQ	HPD8 (B)	HPD8	新規追加

	Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives					
1137	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp043573.exe	VK001920JWSSR	HPD8 (B)	HPD8	新規追加
1138	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp043573.exe	VK003840JWSST	HPD8 (B)	HPD8	新規追加
1139	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp043573.exe	VK007680JWSSU	HPD8 (B)	HPD8	新規追加
1140	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp043573.exe	VO015300JWSSV	HPD8 (B)	HPD8	新規追加
1141	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp043572.exe	VO000480JWDAR	HPD8 (B)	HPD8	新規追加
1142	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp043572.exe	VO000960JWDAT	HPD8 (B)	HPD8	新規追加
1143	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp043572.exe	VO001920JWDAU	HPD8 (B)	HPD8	新規追加
1144	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp043572.exe	VO003840JWDAV	HPD8 (B)	HPD8	新規追加
1145	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR,	cp043941.exe	VO000960JWTBK	HPD7 (C)	HPD7	新規追加

	MO001600JWBTB, MO003200JWBTBU, MO006400JWTCB, EO000400JWTVB, EO000800JWTCB and EO001600JWTCB Drives					
1146	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp043941.exe	VO001920JWTVBL	HPD7 (C)	HPD7	新規追加
1147	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp043941.exe	VO003840JWTVBN	HPD7 (C)	HPD7	新規追加
1148	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp043941.exe	VO007680JWTVBP	HPD7 (C)	HPD7	新規追加
1149	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp043941.exe	MO000400JWTVB Q	HPD7 (C)	HPD7	新規追加
1150	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL,	cp043941.exe	MO000800JWTVBR	HPD7 (C)	HPD7	新規追加

	VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives					
1151	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	cp043941.exe	MO001600JWTCB	HPD7 (C)	HPD7	新規追加
1152	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	cp043941.exe	MO003200JWTCB	HPD7 (C)	HPD7	新規追加
1153	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	cp043941.exe	MO006400JWTCB	HPD7 (C)	HPD7	新規追加
1154	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	cp043941.exe	EO000400JWTCB	HPD7 (C)	HPD7	新規追加

1155	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp043941.exe	EO000800JWTKA	HPD7 (C)	HPD7	新規追加
1156	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp043941.exe	EO001600JWTKC	HPD7 (C)	HPD7	新規追加
1157	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp043941.exe	EO003200JWTKC	HPD7 (C)	HPD7	新規追加
1158	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp043941.exe	MO001920JWW WV	HPD7 (C)	HPD7	新規追加
1159	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp043977.exe	VO000960RWUEV	HPD3 (B)	HPD3	新規追加
1160	Online HDD/SSD Flash	cp043977.exe	VO001920RWUFA	HPD3 (B)	HPD3	新規追加

	Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives					
1161	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp043977.exe	VO003840RWUFB	HPD3 (B)	HPD3	新規追加
1162	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp043977.exe	VO007680RWUFC	HPD3 (B)	HPD3	新規追加
1163	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp043977.exe	VO000960RWUFD	HPD3 (B)	HPD3	新規追加
1164	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp043977.exe	VO001920RWUFE	HPD3 (B)	HPD3	新規追加
1165	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp043977.exe	VO003840RWUFF	HPD3 (B)	HPD3	新規追加
1166	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives	cp043961.exe	VO007680JWCNK	HPD8 (B)	HPD8	新規追加
1167	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives	cp043961.exe	VO015300JWCNL	HPD8 (B)	HPD8	新規追加
1168	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and	cp043976.exe	VO0480JFDGT	HPD9 (B)	HPD9	新規追加

	VO3840JFDHA Drives					
1169	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp043976.exe	VO0960JFDGU	HPD9 (B)	HPD9	新規追加
1170	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp043976.exe	VO1920JFDGV	HPD9 (B)	HPD9	新規追加
1171	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp043976.exe	VO3840JFDHA	HPD9 (B)	HPD9	新規追加
1172	Online HDD/SSD Flash Component for Windows (x64) - VO1920JEUQQ Drive	cp043906.exe	VO1920JEUQQ	HPD3 (E)	HPD3	新規追加

6.2.16 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1173	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-5.1.x86_64.rpm	EK000200GWEPD	HPG3 (E)	HPG3	新規追加
1174	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-5.1.x86_64.rpm	EK000400GWEPE	HPG3 (E)	HPG3	新規追加
1175	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-5.1.x86_64.rpm	EK000800GWEPF	HPG3 (E)	HPG3	新規追加
1176	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-5.1.x86_64.rpm	EK001600GWEPH	HPG3 (E)	HPG3	新規追加
1177	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-4.1.x86_64.rpm	MB001000GWCBC	HPG6 (D)	HPG6	新規追加
1178	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-4.1.x86_64.rpm	MB002000GWCBD	HPG6 (D)	HPG6	新規追加
1179	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFVK and MB002000GFWL Drives	firmware-hdd-bfc4af697b-HPG6-3.1.x86_64.rpm	MB001000GWFVK	HPG6 (C)	HPG6	新規追加

1180	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFVK and MB002000GFWFL Drives	firmware-hdd-bfc4af697b-HPG6-3.1.x86_64.rpm	MB002000GFWFL	HPG6 (C)	HPG6	新規追加
1181	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	firmware-hdd-d39e7a7e75-HPG1-4.1.x86_64.rpm	MB001000GWJAN	HPG1 (D)	HPG1	新規追加
1182	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	firmware-hdd-d39e7a7e75-HPG1-4.1.x86_64.rpm	MB002000GFWFA	HPG1 (D)	HPG1	新規追加
1183	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	firmware-hdd-d39e7a7e75-HPG1-4.1.x86_64.rpm	MB004000GFWFB	HPG1 (D)	HPG1	新規追加
1184	Online HDD/SSD Flash Component for Linux (x64) - MB002000GWFVH and MB001000GWFVJ Drives	firmware-hdd-0b575b5895-HPG3-6.1.x86_64.rpm	MB002000GWFVH	HPG3 (F)	HPG3	新規追加
1185	Online HDD/SSD Flash Component for Linux (x64) - MB002000GWFVH and MB001000GWFVJ Drives	firmware-hdd-0b575b5895-HPG3-6.1.x86_64.rpm	MB001000GWFVJ	HPG3 (F)	HPG3	新規追加
1186	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWKV Drive	firmware-hdd-ca21e169e2-HPG1-3.1.x86_64.rpm	MB004000GWWKV	HPG1 (C)	HPG1	新規追加
1187	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG2-2.1.x86_64.rpm	MB004000GWWQH	HPG2 (B)	HPG2	新規追加
1188	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG2-2.1.x86_64.rpm	MB002000GWWQF	HPG2 (B)	HPG2	新規追加
1189	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG2-2.1.x86_64.rpm	MB001000GWWQE	HPG2 (B)	HPG2	新規追加
1190	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBYL Drives	firmware-hdd-a1fd19f9ca-HPG8-4.1.x86_64.rpm	MB006000GWBXQ	HPG8 (D)	HPG8	新規追加
1191	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBYL Drives	firmware-hdd-a1fd19f9ca-HPG8-4.1.x86_64.rpm	MB008000GWBYL	HPG8 (D)	HPG8	新規追加
1192	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG4-2.1.x86_64.rpm	MB006000GWJRR	HPG4 (B)	HPG4	新規追加
1193	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG4-2.1.x86_64.rpm	MB008000GWJRT	HPG4 (B)	HPG4	新規追加
1194	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWWKR Drive	firmware-hdd-7f2a26e6d0-HPG1-3.1.x86_64.rpm	MB006000GWWKR	HPG1 (C)	HPG1	新規追加
1195	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-82894b9e0a-HPG1-3.1.x86_64.r	MB008000GWWRT	HPG1 (C)	HPG1	新規追加

	MB008000GWRTC Drive	pm				
1196	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG2-2.1.x86_64.rpm	MB008000GWWQU	HPG2 (B)	HPG2	新規追加
1197	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG2-2.1.x86_64.rpm	MB006000GWWQT	HPG2 (B)	HPG2	新規追加
1198	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-5.1.x86_64.rpm	MB010000GWAYN	HPG5 (E)	HPG5	新規追加
1199	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-5.1.x86_64.rpm	MB008000GWAYL	HPG5 (E)	HPG5	新規追加
1200	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd-059b8654a6-HPG2-5.1.x86_64.rpm	MB012000GWDFE	HPG2 (E)	HPG2	新規追加
1201	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives	firmware-hdd-b78255e146-HPG6-2.1.x86_64.rpm	MB012000GWTFE	HPG6 (B)	HPG6	新規追加
1202	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives	firmware-hdd-b78255e146-HPG6-2.1.x86_64.rpm	MB014000GWTFF	HPG6 (B)	HPG6	新規追加
1203	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-4.1.x86_64.rpm	MB014000GWRTN	HPG2 (D)	HPG2	新規追加
1204	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-4.1.x86_64.rpm	MB012000GWRTL	HPG2 (D)	HPG2	新規追加
1205	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-4.1.x86_64.rpm	MB010000GWRTK	HPG2 (D)	HPG2	新規追加
1206	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive	firmware-hdd-41cdb1c9da-HPG2-3.1.x86_64.rpm	MB014000GWUDA	HPG2 (C)	HPG2	新規追加
1207	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-8.1.x86_64.rpm	MB1000GDUNU	HPG4 (H)	HPG4	新規追加
1208	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-8.1.x86_64.rpm	MB2000GDUNV	HPG4 (H)	HPG4	新規追加
1209	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-8.1.x86_64.rpm	MB3000GDUPA	HPG4 (H)	HPG4	新規追加
1210	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-3ab4c70e64-HPG4-8.1.x86_64.r	MB4000GDUPB	HPG4 (H)	HPG4	新規追加

	MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	pm				
1211	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a70109 18e-HPG4-8.1.x86_64.r pm	MB1000GVYZE	HPG4 (H)	HPG4	新規追加
1212	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a70109 18e-HPG4-8.1.x86_64.r pm	MB2000GVYZF	HPG4 (H)	HPG4	新規追加
1213	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a70109 18e-HPG4-8.1.x86_64.r pm	MB3000GVYZH	HPG4 (H)	HPG4	新規追加
1214	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a70109 18e-HPG4-8.1.x86_64.r pm	MB4000GVYZK	HPG4 (H)	HPG4	新規追加
1215	Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	firmware-hdd-2e70ce7 412-HPG4-8.1.x86_64.r pm	MB2000GCWLT	HPG4 (H)	HPG4	新規追加
1216	Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	firmware-hdd-2e70ce7 412-HPG4-8.1.x86_64.r pm	MB3000GCWLU	HPG4 (H)	HPG4	新規追加
1217	Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	firmware-hdd-2e70ce7 412-HPG4-8.1.x86_64.r pm	MB4000GCWLV	HPG4 (H)	HPG4	新規追加
1218	Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives	firmware-hdd-70e3962f 98-HPG6-7.1.x86_64.rp m	MB2000GFEMH	HPG6 (G)	HPG6	新規追加
1219	Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives	firmware-hdd-70e3962f 98-HPG6-7.1.x86_64.rp m	MB4000GFEMK	HPG6 (G)	HPG6	新規追加
1220	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEFNA and MB6000GEFNB Drives	firmware-hdd-40277d5 5d3-HPG6-8.1.x86_64.r pm	MB4000GEFNA	HPG6 (H)	HPG6	新規追加
1221	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEFNA and MB6000GEFNB Drives	firmware-hdd-40277d5 5d3-HPG6-8.1.x86_64.r pm	MB6000GEFNB	HPG6 (H)	HPG6	新規追加
1222	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEQNH and MB6000GEQNK Drives	firmware-hdd-bfc95f06 28-HPGB-7.1.x86_64.rp m	MB4000GEQNH	HPGB (G)	HPGB	新規追加
1223	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEQNH and	firmware-hdd-bfc95f06 28-HPGB-7.1.x86_64.rp m	MB6000GEQNK	HPGB (G)	HPGB	新規追加

	MB6000GEQNK Drives					
1224	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEBTP Drive	firmware-hdd-3243fce9a0-HPG4-7.1.x86_64.rpm	MB6000GEBTP	HPG4 (G)	HPG4	新規追加
1225	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEQUT and MB8000GEQUU Drives	firmware-hdd-1d7f19120b-HPGB-7.1.x86_64.rpm	MB6000GEQUT	HPGB (G)	HPGB	新規追加
1226	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEQUT and MB8000GEQUU Drives	firmware-hdd-1d7f19120b-HPGB-7.1.x86_64.rpm	MB8000GEQUU	HPGB (G)	HPGB	新規追加
1227	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEXXV Drive	firmware-hdd-a629fcea59-HPG2-8.1.x86_64.rpm	MB6000GEXXV	HPG2 (H)	HPG2	新規追加
1228	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYYU Drive	firmware-hdd-bdc37cb37f-HPG2-7.1.x86_64.rpm	MB6000GVYYU	HPG2 (G)	HPG2	新規追加
1229	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives	firmware-hdd-0a7d4aa47f-HPG4-4.1.x86_64.rpm	MB6000GVYZB	HPG4 (D)	HPG4	新規追加
1230	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives	firmware-hdd-0a7d4aa47f-HPG4-4.1.x86_64.rpm	MB4000GVYZA	HPG4 (D)	HPG4	新規追加
1231	Online HDD/SSD Flash Component for Linux (x64) - MB8000GFECR Drive	firmware-hdd-6d922fc9a8-HPG6-4.1.x86_64.rpm	MB8000GFECR	HPG6 (D)	HPG6	新規追加
1232	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-5.1.x86_64.rpm	MK000240GWCEU	HPG3 (E)	HPG3	新規追加
1233	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-5.1.x86_64.rpm	MK000480GWCEV	HPG3 (E)	HPG3	新規追加
1234	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-5.1.x86_64.rpm	MK000960GWCFA	HPG3 (E)	HPG3	新規追加
1235	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-5.1.x86_64.rpm	MK001920GWCFB	HPG3 (E)	HPG3	新規追加
1236	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG2-2.1.x86_64.rpm	MK000480GWSSC	HPG2 (B)	HPG2	新規追加
1237	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG2-2.1.x86_64.rpm	MK000960GWSSD	HPG2 (B)	HPG2	新規追加
1238	Online HDD/SSD Flash	firmware-hdd-f693ccc1	MK001920GWSSE	HPG2 (B)	HPG2	新規追加

	Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	38-HPG2-2.1.x86_64.rpm				
1239	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG2-2.1.x86_64.rpm	MK003840GWSSF	HPG2 (B)	HPG2	新規追加
1240	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG1-2.1.x86_64.rpm	MK000480GWXFF	HPG1 (B)	HPG1	新規追加
1241	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG1-2.1.x86_64.rpm	MK000960GWXFH	HPG1 (B)	HPG1	新規追加
1242	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG1-2.1.x86_64.rpm	MK001920GWXFK	HPG1 (B)	HPG1	新規追加
1243	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG1-2.1.x86_64.rpm	MK003840GWXFL	HPG1 (B)	HPG1	新規追加
1244	Online HDD/SSD Flash Component for Linux (x64) - MK003840GWHT Drive	firmware-hdd-ac20a1e1c6-HPG6-3.1.x86_64.rpm	MK003840GWHT	HPG6 (C)	HPG6	新規追加
1245	Online HDD/SSD Flash Component for Linux (x64) - MK0960GECQK Drive	firmware-hdd-3e34285be7-HPG3-9.1.x86_64.rpm	MK0960GECQK	HPG3 (I)	HPG3	新規追加
1246	Online HDD/SSD Flash Component for Linux (x64) - MM1000GEFQV and MM2000GEFRA Drives	firmware-hdd-ec908c3650-HPG8-6.1.x86_64.rpm	MM1000GEFQV	HPG8 (F)	HPG8	新規追加
1247	Online HDD/SSD Flash Component for Linux (x64) - MM1000GEFQV and MM2000GEFRA Drives	firmware-hdd-ec908c3650-HPG8-6.1.x86_64.rpm	MM2000GEFRA	HPG8 (F)	HPG8	新規追加
1248	Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive	firmware-hdd-95af9a555e-HPG5-4.1.x86_64.rpm	MM1000GFJTE	HPG5 (D)	HPG5	新規追加
1249	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGE-3.1.x86_64.rpm	MR000240GWFLU	HPGE (C)	HPGE	新規追加
1250	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD,	firmware-hdd-9196d4f720-HPGE-3.1.x86_64.rpm	MR000480GWFLV	HPGE (C)	HPGE	新規追加

	MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
1251	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f7 20-HPGE-3.1.x86_64.rp m	VR000480GWFMD	HPGE (C)	HPGE	新規追加
1252	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f7 20-HPGE-3.1.x86_64.rp m	MR000960GWFMA	HPGE (C)	HPGE	新規追加
1253	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f7 20-HPGE-3.1.x86_64.rp m	VR000960GWFME	HPGE (C)	HPGE	新規追加
1254	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f7 20-HPGE-3.1.x86_64.rp m	MR001920GWFMB	HPGE (C)	HPGE	新規追加
1255	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f7 20-HPGE-3.1.x86_64.rp m	VR001920GWFMC	HPGE (C)	HPGE	新規追加
1256	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd-6e3845d ef5-HPG1-4.1.x86_64.rp m	VK000150GWCNN	HPG1 (D)	HPG1	新規追加
1257	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd-6e3845d ef5-HPG1-4.1.x86_64.rp m	VK000240GWCNP	HPG1 (D)	HPG1	新規追加
1258	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN,	firmware-hdd-6e3845d ef5-HPG1-4.1.x86_64.rp m	VK000480GWCNQ	HPG1 (D)	HPG1	新規追加

	VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives					
1259	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd-6e3845d ef5-HPG1-4.1.x86_64.rp m	VK000960GWCNR	HPG1 (D)	HPG1	新規追加
1260	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd-6e3845d ef5-HPG1-4.1.x86_64.rp m	VK001600GWCNT	HPG1 (D)	HPG1	新規追加
1261	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCDF, VK000480GWCFF, VK000960GWCFF, VK001920GWCFFH and VK003840GWCFFK Drives	firmware-hdd-f42438de 3d-HPG3-5.1.x86_64.rp m	VK000480GWCFF	HPG3 (E)	HPG3	新規追加
1262	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCDF, VK000480GWCFF, VK000960GWCFF, VK001920GWCFFH and VK003840GWCFFK Drives	firmware-hdd-f42438de 3d-HPG3-5.1.x86_64.rp m	VK000960GWCFF	HPG3 (E)	HPG3	新規追加
1263	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCDF, VK000480GWCFF, VK000960GWCFF, VK001920GWCFFH and VK003840GWCFFK Drives	firmware-hdd-f42438de 3d-HPG3-5.1.x86_64.rp m	VK000240GWCDF	HPG3 (E)	HPG3	新規追加
1264	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCDF, VK000480GWCFF, VK000960GWCFF, VK001920GWCFFH and VK003840GWCFFK Drives	firmware-hdd-f42438de 3d-HPG3-5.1.x86_64.rp m	VK001920GWCFFH	HPG3 (E)	HPG3	新規追加
1265	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCDF, VK000480GWCFF, VK000960GWCFF, VK001920GWCFFH and VK003840GWCFFK Drives	firmware-hdd-f42438de 3d-HPG3-5.1.x86_64.rp m	VK003840GWCFFK	HPG3 (E)	HPG3	新規追加
1266	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	VK000240GWEZB	HPGE (C)	HPGE	新規追加
1267	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB,	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	VK000480GWEZC	HPGE (C)	HPGE	新規追加

	VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1268	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	VK000960GWEZD	HPGE (C)	HPGE	新規追加
1269	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	VK001920GWEZE	HPGE (C)	HPGE	新規追加
1270	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	MK000240GWEZF	HPGE (C)	HPGE	新規追加
1271	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	MK000480GWEZ H	HPGE (C)	HPGE	新規追加
1272	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	MK000960GWEZK	HPGE (C)	HPGE	新規追加
1273	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and	firmware-hdd-3db7640 485-HPGE-3.1.x86_64.r pm	MK001920GWHR U	HPGE (C)	HPGE	新規追加

	MK001920GWHRU Drives					
1274	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	MK000240GWKVK	HPG5 (D)	HPG5	新規追加
1275	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	MK000480GWJPN	HPG5 (D)	HPG5	新規追加
1276	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	MK000960GWJPP	HPG5 (D)	HPG5	新規追加
1277	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	MK001920GWJPPQ	HPG5 (D)	HPG5	新規追加
1278	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	VK000240GWJPD	HPG5 (D)	HPG5	新規追加
1279	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	VK000480GWJPE	HPG5 (D)	HPG5	新規追加

	MK001920GWJJPQ Drives					
1280	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJJPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	VK000960GWJPF	HPG5 (D)	HPG5	新規追加
1281	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJJPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	VK001920GWJPH	HPG5 (D)	HPG5	新規追加
1282	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJJPQ Drives	firmware-hdd-aef2a690c9-HPG5-4.1.x86_64.rpm	VK003840GWJPK	HPG5 (D)	HPG5	新規追加
1283	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG3-2.1.x86_64.rpm	VK000240GWSRQ	HPG3 (B)	HPG3	新規追加
1284	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG3-2.1.x86_64.rpm	VK000480GWSRR	HPG3 (B)	HPG3	新規追加
1285	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG3-2.1.x86_64.rpm	VK000960GWSRT	HPG3 (B)	HPG3	新規追加
1286	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG3-2.1.x86_64.rpm	VK001920GWSRU	HPG3 (B)	HPG3	新規追加
1287	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR,	firmware-hdd-db687966b4-HPG3-2.1.x86_64.rpm	VK003840GWSRV	HPG3 (B)	HPG3	新規追加

	VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives					
1288	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	VK000240GWTSV	HPG3 (D)	HPG3	新規追加
1289	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	VK000480GWTTA	HPG3 (D)	HPG3	新規追加
1290	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	VK000960GWTTB	HPG3 (D)	HPG3	新規追加
1291	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	VK001920GWTTT	HPG3 (D)	HPG3	新規追加
1292	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	VK003840GWTTD	HPG3 (D)	HPG3	新規追加
1293	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT,	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	MK000480GWTT H	HPG3 (D)	HPG3	新規追加

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
1294	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	MK000960GWTTK	HPG3 (D)	HPG3	新規追加
1295	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	MK001920GWTTL	HPG3 (D)	HPG3	新規追加
1296	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63c a0-HPG3-4.1.x86_64.rp m	MK003840GWTT N	HPG3 (D)	HPG3	新規追加
1297	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eec b3f-HPG2-4.1.x86_64.r pm	VK000480GWSXF	HPG2 (D)	HPG2	新規追加
1298	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eec b3f-HPG2-4.1.x86_64.r pm	VK000960GWSXH	HPG2 (D)	HPG2	新規追加
1299	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eec b3f-HPG2-4.1.x86_64.r pm	VK001920GWSXK	HPG2 (D)	HPG2	新規追加
1300	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF,	firmware-hdd-9e87eec b3f-HPG2-4.1.x86_64.r pm	MK000480GWUG F	HPG2 (D)	HPG2	新規追加

	MK000960GWUGH and MK001920GWUGK Drives					
1301	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG2-4.1.x86_64.rpm	MK000960GWUGH	HPG2 (D)	HPG2	新規追加
1302	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG2-4.1.x86_64.rpm	MK001920GWUGK	HPG2 (D)	HPG2	新規追加
1303	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG1-3.1.x86_64.rpm	VK000480GWTHA	HPG1 (C)	HPG1	新規追加
1304	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG1-3.1.x86_64.rpm	VK000960GWTHB	HPG1 (C)	HPG1	新規追加
1305	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG1-3.1.x86_64.rpm	VK001920GWTHC	HPG1 (C)	HPG1	新規追加
1306	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG1-3.1.x86_64.rpm	VK003840GWTHD	HPG1 (C)	HPG1	新規追加
1307	Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive	firmware-hdd-d1cf327bc4-HPG2-4.1.x86_64.rpm	VK003840GWSXL	HPG2 (D)	HPG2	新規追加
1308	Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive	firmware-hdd-b460823f70-HPG2-4.1.x86_64.rpm	VK007680GWSXN	HPG2 (D)	HPG2	新規追加
1309	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c742-HPG1-8.1.x86_64.rpm	VK0120GFDKE	HPG1 (H)	HPG1	新規追加
1310	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c742-HPG1-8.1.x86_64.rpm	VK0240GFDKF	HPG1 (H)	HPG1	新規追加
1311	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF,	firmware-hdd-a2d4b5c742-HPG1-8.1.x86_64.rpm	VK0480GFDKH	HPG1 (H)	HPG1	新規追加

	VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives					
1312	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c 742-HPG1-8.1.x86_64.r pm	VK0960GFDKK	HPG1 (H)	HPG1	新規追加
1313	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c 742-HPG1-8.1.x86_64.r pm	VK1920GFDKL	HPG1 (H)	HPG1	新規追加
1314	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c 742-HPG1-8.1.x86_64.r pm	VK3840GFDKN	HPG1 (H)	HPG1	新規追加
1315	Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	firmware-hdd-1a51652 2d1-HPG1-7.1.x86_64.r pm	VK0240GEPQN	HPG1 (G)	HPG1	新規追加
1316	Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	firmware-hdd-1a51652 2d1-HPG1-7.1.x86_64.r pm	VK0480GEPQP	HPG1 (G)	HPG1	新規追加
1317	Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	firmware-hdd-1a51652 2d1-HPG1-7.1.x86_64.r pm	VK0960GEPQQ	HPG1 (G)	HPG1	新規追加
1318	Online HDD/SSD Flash Component for Linux (x64) - VR000150GWEPP and VR000480GWEPR Drives	firmware-hdd-b7eb905 efe-HPG1-5.1.x86_64.rp m	VR000150GWEPP	HPG1 (E)	HPG1	新規追加
1319	Online HDD/SSD Flash Component for Linux (x64) - VR000150GWEPP and VR000480GWEPR Drives	firmware-hdd-b7eb905 efe-HPG1-5.1.x86_64.rp m	VR000480GWEPR	HPG1 (E)	HPG1	新規追加
1320	Online HDD/SSD Flash Component for Linux (x64) - XP0120GFJSL and XP0240GFJSN Drives	firmware-hdd-d355375 539-HPS4-8.1.x86_64.r pm	XP0120GFJSL	HPS4 (H)	HPS4	新規追加
1321	Online HDD/SSD Flash Component for Linux (x64) - XP0120GFJSL and XP0240GFJSN Drives	firmware-hdd-d355375 539-HPS4-8.1.x86_64.r pm	XP0240GFJSN	HPS4 (H)	HPS4	新規追加
1322	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPP, EK000400GWEPE, EK000800GWEPP and EK001600GWEPP Drives	CP043799.zip	EK000200GWEPP	HPG3 (E)	HPG3	新規追加
1323	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPP, EK000400GWEPE, EK000800GWEPP and	CP043799.zip	EK000400GWEPE	HPG3 (E)	HPG3	新規追加

	EK001600GWEPH Drives					
1324	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	CP043799.zip	EK000800GWEPF	HPG3 (E)	HPG3	新規追加
1325	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	CP043799.zip	EK001600GWEPH	HPG3 (E)	HPG3	新規追加
1326	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP043772.zip	MB001000GWCBC	HPG6 (D)	HPG6	新規追加
1327	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP043772.zip	MB002000GWCBD	HPG6 (D)	HPG6	新規追加
1328	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWFK and MB002000GFWFL Drives	CP043860.zip	MB001000GFWFK	HPG6 (D)	HPG6	新規追加
1329	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWFK and MB002000GFWFL Drives	CP043860.zip	MB002000GFWFL	HPG6 (D)	HPG6	新規追加
1330	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP043800.zip	MB001000GWJAN	HPG1 (D)	HPG1	新規追加
1331	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP043800.zip	MB002000GFWFA	HPG1 (D)	HPG1	新規追加
1332	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP043800.zip	MB004000GFWFB	HPG1 (D)	HPG1	新規追加
1333	Online HDD/SSD Flash Component for VMware ESXi - MB002000GWFGH and MB001000GWFGF Drives	CP043789.zip	MB002000GWFGH	HPG3 (F)	HPG3	新規追加
1334	Online HDD/SSD Flash Component for VMware ESXi - MB002000GWFGH and MB001000GWFGF Drives	CP043789.zip	MB001000GWFGF	HPG3 (F)	HPG3	新規追加
1335	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP043817.zip	MB004000GWKGV	HPG1 (D)	HPG1	新規追加
1336	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP044227.zip	MB004000GWWQH	HPG2 (B)	HPG2	新規追加
1337	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP044227.zip	MB002000GWWQF	HPG2 (B)	HPG2	新規追加
1338	Online HDD/SSD Flash	CP044227.zip	MB001000GWW	HPG2 (B)	HPG2	新規追加

	Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives		QE			
1339	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives	CP043809.zip	MB006000GWBX Q	HPG8 (D)	HPG8	新規追加
1340	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives	CP043809.zip	MB008000GWBXL	HPG8 (D)	HPG8	新規追加
1341	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP044435.zip	MB006000GWJRR	HPG4 (B)	HPG4	新規追加
1342	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP044435.zip	MB008000GWJRT	HPG4 (B)	HPG4	新規追加
1343	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP043830.zip	MB006000GWKGR	HPG1 (D)	HPG1	新規追加
1344	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP043820.zip	MB008000GWRTC	HPG1 (D)	HPG1	新規追加
1345	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP044208.zip	MB008000GWW QU	HPG2 (B)	HPG2	新規追加
1346	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP044208.zip	MB006000GWW QT	HPG2 (B)	HPG2	新規追加
1347	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP043207.zip	MB010000GWAY N	HPG5 (E)	HPG5	新規追加
1348	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP043207.zip	MB008000GWAYL	HPG5 (E)	HPG5	新規追加
1349	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP043801.zip	MB012000GWDF E	HPG2 (E)	HPG2	新規追加
1350	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP043833.zip	MB012000GWTFE	HPG6 (C)	HPG6	新規追加
1351	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP043833.zip	MB014000GWTFE	HPG6 (C)	HPG6	新規追加
1352	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTE Drives	CP043823.zip	MB014000GWRT N	HPG2 (D)	HPG2	新規追加
1353	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTE Drives	CP043823.zip	MB012000GWRTL	HPG2 (D)	HPG2	新規追加
1354	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN,	CP043823.zip	MB010000GWRT K	HPG2 (D)	HPG2	新規追加

	MB012000GWRTL and MB010000GWRTK Drives					
1355	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP043824.zip	MB014000GWUDA A	HPG2 (D)	HPG2	新規追加
1356	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP043762.zip	MB1000GDUNU	HPG4 (I)	HPG4	新規追加
1357	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP043762.zip	MB2000GDUNV	HPG4 (I)	HPG4	新規追加
1358	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP043762.zip	MB3000GDUPA	HPG4 (I)	HPG4	新規追加
1359	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP043762.zip	MB4000GDUPB	HPG4 (I)	HPG4	新規追加
1360	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP043859.zip	MB1000GVYZE	HPG4 (G)	HPG4	新規追加
1361	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP043859.zip	MB2000GVYZF	HPG4 (G)	HPG4	新規追加
1362	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP043859.zip	MB3000GVYZH	HPG4 (G)	HPG4	新規追加
1363	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP043859.zip	MB4000GVYZK	HPG4 (G)	HPG4	新規追加
1364	Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT, MB3000GCWLU and MB4000GCWLW Drives	CP043763.zip	MB2000GCWLT	HPG4 (I)	HPG4	新規追加
1365	Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT, MB3000GCWLU and MB4000GCWLW Drives	CP043763.zip	MB3000GCWLU	HPG4 (I)	HPG4	新規追加
1366	Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT,	CP043763.zip	MB4000GCWLW	HPG4 (I)	HPG4	新規追加

	MB3000GCWLU and MB4000GCWLV Drives					
1367	Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives	CP043792.zip	MB2000GFEMH	HPG6 (G)	HPG6	新規追加
1368	Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives	CP043792.zip	MB4000GFEMK	HPG6 (G)	HPG6	新規追加
1369	Online HDD/SSD Flash Component for VMware ESXi - MB4000GEFNA and MB6000GEFNB Drives	CP043750.zip	MB4000GEFNA	HPG6 (G)	HPG6	新規追加
1370	Online HDD/SSD Flash Component for VMware ESXi - MB4000GEFNA and MB6000GEFNB Drives	CP043750.zip	MB6000GEFNB	HPG6 (G)	HPG6	新規追加
1371	Online HDD/SSD Flash Component for VMware ESXi - MB4000GEQNH and MB6000GEQNK Drives	CP043804.zip	MB4000GEQNH	HPGB (G)	HPGB	新規追加
1372	Online HDD/SSD Flash Component for VMware ESXi - MB4000GEQNH and MB6000GEQNK Drives	CP043804.zip	MB6000GEQNK	HPGB (G)	HPGB	新規追加
1373	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEBTP Drive	CP043856.zip	MB6000GEBTP	HPG4 (G)	HPG4	新規追加
1374	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives	CP043786.zip	MB6000GEQUT	HPGB (G)	HPGB	新規追加
1375	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives	CP043786.zip	MB8000GEQUU	HPGB (G)	HPGB	新規追加
1376	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEXXV Drive	CP043855.zip	MB6000GEXXV	HPG2 (I)	HPG2	新規追加
1377	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYYU Drive	CP043806.zip	MB6000GVYYU	HPG2 (G)	HPG2	新規追加
1378	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP043807.zip	MB6000GVYZB	HPG4 (D)	HPG4	新規追加
1379	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP043807.zip	MB4000GVYZA	HPG4 (D)	HPG4	新規追加
1380	Online HDD/SSD Flash Component for VMware ESXi - MB8000GFECR Drive	CP044490.zip	MB8000GFECR	HPG6 (E)	HPG6	新規追加
1381	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	CP043794.zip	MK000240GWCEU	HPG3 (E)	HPG3	新規追加
1382	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	CP043794.zip	MK000480GWCEV	HPG3 (E)	HPG3	新規追加

1383	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP043794.zip	MK000960GWCFA	HPG3 (E)	HPG3	新規追加
1384	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP043794.zip	MK001920GWCFCB	HPG3 (E)	HPG3	新規追加
1385	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP044492.zip	MK000480GWSSC	HPG2 (C)	HPG2	新規追加
1386	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP044492.zip	MK000960GWSSD	HPG2 (C)	HPG2	新規追加
1387	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP044492.zip	MK001920GWSSE	HPG2 (C)	HPG2	新規追加
1388	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP044492.zip	MK003840GWSSF	HPG2 (C)	HPG2	新規追加
1389	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP044205.zip	MK000480GWXFF	HPG1 (B)	HPG1	新規追加
1390	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP044205.zip	MK000960GWXFH	HPG1 (B)	HPG1	新規追加
1391	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP044205.zip	MK001920GWXFK	HPG1 (B)	HPG1	新規追加
1392	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP044205.zip	MK003840GWXFL	HPG1 (B)	HPG1	新規追加
1393	Online HDD/SSD Flash Component for VMware ESXi - MK003840GWHT E Drive	CP043810.zip	MK003840GWHT E	HPG6 (D)	HPG6	新規追加
1394	Online HDD/SSD Flash Component for VMware ESXi - MK0960GECQK Drive	CP043837.zip	MK0960GECQK	HPG3 (J)	HPG3	新規追加

1395	Online HDD/SSD Flash Component for VMware ESXi - MM1000GEFQV and MM2000GEFRA Drives	CP043795.zip	MM1000GEFQV	HPG8 (F)	HPG8	新規追加
1396	Online HDD/SSD Flash Component for VMware ESXi - MM1000GEFQV and MM2000GEFRA Drives	CP043795.zip	MM2000GEFRA	HPG8 (F)	HPG8	新規追加
1397	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP043842.zip	MM1000GFJTE	HPG5 (D)	HPG5	新規追加
1398	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480WFMD, MR000960WFMA, VR000960WFME, MR001920WFMB and VR001920WFMC Drives	CP043811.zip	MR000240GWFLU	HPGE (D)	HPGE	新規追加
1399	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480WFMD, MR000960WFMA, VR000960WFME, MR001920WFMB and VR001920WFMC Drives	CP043811.zip	MR000480GWFLV	HPGE (D)	HPGE	新規追加
1400	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480WFMD, MR000960WFMA, VR000960WFME, MR001920WFMB and VR001920WFMC Drives	CP043811.zip	VR000480GWFLV	HPGE (D)	HPGE	新規追加
1401	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480WFMD, MR000960WFMA, VR000960WFME, MR001920WFMB and VR001920WFMC Drives	CP043811.zip	MR000960WFMA	HPGE (D)	HPGE	新規追加
1402	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480WFMD, MR000960WFMA, VR000960WFME, MR001920WFMB and VR001920WFMC Drives	CP043811.zip	VR000960WFMA	HPGE (D)	HPGE	新規追加
1403	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480WFMD, MR000960WFMA, VR000960WFME, MR001920WFMB and VR001920WFMC Drives	CP043811.zip	MR001920WFMB	HPGE (D)	HPGE	新規追加
1404	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480WFMD, MR000960WFMA, VR000960WFME, MR001920WFMB and VR001920WFMC Drives	CP043811.zip	VR001920WFMB	HPGE (D)	HPGE	新規追加

	Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMFMD, MR000960GWFMMA, VR000960GWFMME, MR001920GWFMFB and VR001920GWFMFC Drives		C			
1405	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP043843.zip	VK000150GWCNN	HPG1 (D)	HPG1	新規追加
1406	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP043843.zip	VK000240GWCNP	HPG1 (D)	HPG1	新規追加
1407	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP043843.zip	VK000480GWCN Q	HPG1 (D)	HPG1	新規追加
1408	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP043843.zip	VK000960GWCNR	HPG1 (D)	HPG1	新規追加
1409	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP043843.zip	VK001600GWCNT	HPG1 (D)	HPG1	新規追加
1410	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP043796.zip	VK000240GWCFD	HPG3 (E)	HPG3	新規追加
1411	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP043796.zip	VK000480GWCFE	HPG3 (E)	HPG3	新規追加
1412	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP043796.zip	VK000960GWCFE	HPG3 (E)	HPG3	新規追加
1413	Online HDD/SSD Flash Component for VMware ESXi	CP043796.zip	VK001920GWCFH	HPG3 (E)	HPG3	新規追加

	- VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.					
1414	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP043796.zip	VK003840GWCFK	HPG3 (E)	HPG3	新規追加
1415	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP044252.zip	VK000240GWEZB	HPGE (E)	HPGE	新規追加
1416	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP044252.zip	VK000480GWEZC	HPGE (E)	HPGE	新規追加
1417	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP044252.zip	VK000960GWEZD	HPGE (E)	HPGE	新規追加
1418	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP044252.zip	VK001920GWEZE	HPGE (E)	HPGE	新規追加
1419	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP044252.zip	MK000240GWEZF	HPGE (E)	HPGE	新規追加
1420	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC,	CP044252.zip	MK000480GWEZ H	HPGE (E)	HPGE	新規追加

	VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1421	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP044252.zip	MK000960GWEZK	HPGE (E)	HPGE	新規追加
1422	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP044252.zip	MK001920GWHR U	HPGE (E)	HPGE	新規追加
1423	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP043793.zip	MK000240GWKV K	HPG5 (D)	HPG5	新規追加
1424	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP043793.zip	MK000480GWJPN	HPG5 (D)	HPG5	新規追加
1425	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP043793.zip	MK000960GWJPP	HPG5 (D)	HPG5	新規追加
1426	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK,	CP043793.zip	MK001920GWJPPQ	HPG5 (D)	HPG5	新規追加

	MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives					
1427	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP043793.zip	VK000240GWJPD	HPG5 (D)	HPG5	新規追加
1428	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP043793.zip	VK000480GWJPE	HPG5 (D)	HPG5	新規追加
1429	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP043793.zip	VK000960GWJPF	HPG5 (D)	HPG5	新規追加
1430	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP043793.zip	VK001920GWJPH	HPG5 (D)	HPG5	新規追加
1431	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP043793.zip	VK003840GWJPK	HPG5 (D)	HPG5	新規追加
1432	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP043836.zip	VK000240GWSRQ	HPG3 (B)	HPG3	新規追加

1433	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP043836.zip	VK000480GWSRR	HPG3 (B)	HPG3	新規追加
1434	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP043836.zip	VK000960GWSRT	HPG3 (B)	HPG3	新規追加
1435	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP043836.zip	VK001920GWSRU	HPG3 (B)	HPG3	新規追加
1436	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP043836.zip	VK003840GWSRV	HPG3 (B)	HPG3	新規追加
1437	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTT, MK001920GWTTT and MK003840GWTTT Drives	CP043812.zip	VK000240GWTSV	HPG3 (D)	HPG3	新規追加
1438	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTT, MK001920GWTTT and MK003840GWTTT Drives	CP043812.zip	VK000480GWTTA	HPG3 (D)	HPG3	新規追加
1439	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTT, MK001920GWTTT and MK003840GWTTT Drives	CP043812.zip	VK000960GWTTB	HPG3 (D)	HPG3	新規追加
1440	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB,	CP043812.zip	VK001920GWTTT	HPG3 (D)	HPG3	新規追加

	VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives					
1441	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives	CP043812.zip	VK003840GWTTD	HPG3 (D)	HPG3	新規追加
1442	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives	CP043812.zip	MK000480GWTT H	HPG3 (D)	HPG3	新規追加
1443	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives	CP043812.zip	MK000960GWTTK	HPG3 (D)	HPG3	新規追加
1444	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives	CP043812.zip	MK001920GWTTL	HPG3 (D)	HPG3	新規追加
1445	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives	CP043812.zip	MK003840GWTT N	HPG3 (D)	HPG3	新規追加
1446	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK,	CP043813.zip	VK000480GWSXF	HPG2 (D)	HPG2	新規追加

	MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives					
1447	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP043813.zip	VK000960GWSXH	HPG2 (D)	HPG2	新規追加
1448	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP043813.zip	VK001920GWSXK	HPG2 (D)	HPG2	新規追加
1449	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP043813.zip	MK000480GWUG F	HPG2 (D)	HPG2	新規追加
1450	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP043813.zip	MK000960GWUG H	HPG2 (D)	HPG2	新規追加
1451	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP043813.zip	MK001920GWUG K	HPG2 (D)	HPG2	新規追加
1452	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP043827.zip	VK000480GWTHA	HPG1 (D)	HPG1	新規追加
1453	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP043827.zip	VK000960GWTHB	HPG1 (D)	HPG1	新規追加
1454	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP043827.zip	VK001920GWTHC	HPG1 (D)	HPG1	新規追加
1455	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and	CP043827.zip	VK003840GWTHD	HPG1 (D)	HPG1	新規追加

	VK003840GWTHD Drives					
1456	Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive	CP043814.zip	VK003840GWSXL	HPG2 (D)	HPG2	新規追加
1457	Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive	CP043815.zip	VK007680GWSXN	HPG2 (D)	HPG2	新規追加
1458	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP043840.zip	VK0120GFDKE	HPG1 (H)	HPG1	新規追加
1459	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP043840.zip	VK0240GFDKF	HPG1 (H)	HPG1	新規追加
1460	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP043840.zip	VK0480GFDKH	HPG1 (H)	HPG1	新規追加
1461	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP043840.zip	VK0960GFDKK	HPG1 (H)	HPG1	新規追加
1462	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP043840.zip	VK1920GFDKL	HPG1 (H)	HPG1	新規追加
1463	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP043840.zip	VK3840GFDKN	HPG1 (H)	HPG1	新規追加
1464	Online HDD/SSD Flash Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	CP043776.zip	VK0240GEPQN	HPG1 (H)	HPG1	新規追加
1465	Online HDD/SSD Flash Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	CP043776.zip	VK0480GEPQP	HPG1 (H)	HPG1	新規追加
1466	Online HDD/SSD Flash	CP043776.zip	VK0960GEPQQ	HPG1 (H)	HPG1	新規追加

	Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives					
1467	Online HDD/SSD Flash Component for VMware ESXi - VR000150GWEPP and VR000480GWEPR Drives	CP043797.zip	VR000150GWEPP	HPG1 (E)	HPG1	新規追加
1468	Online HDD/SSD Flash Component for VMware ESXi - VR000150GWEPP and VR000480GWEPR Drives	CP043797.zip	VR000480GWEPR	HPG1 (E)	HPG1	新規追加
1469	Online HDD/SSD Flash Component for VMware ESXi - XP0120GFJSL and XP0240GFJSN Drives	CP043778.zip	XP0120GFJSL	HPS4 (H)	HPS4	新規追加
1470	Online HDD/SSD Flash Component for VMware ESXi - XP0120GFJSL and XP0240GFJSN Drives	CP043778.zip	XP0240GFJSN	HPS4 (H)	HPS4	新規追加
1471	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPPD, EK000400GWEPE, EK000800GWEPPF and EK001600GWEPPH Drives	cp043939.exe	EK000200GWEPPD	HPG3 (D)	HPG3	新規追加
1472	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPPD, EK000400GWEPE, EK000800GWEPPF and EK001600GWEPPH Drives	cp043939.exe	EK000400GWEPE	HPG3 (D)	HPG3	新規追加
1473	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPPD, EK000400GWEPE, EK000800GWEPPF and EK001600GWEPPH Drives	cp043939.exe	EK000800GWEPPF	HPG3 (D)	HPG3	新規追加
1474	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPPD, EK000400GWEPE, EK000800GWEPPF and EK001600GWEPPH Drives	cp043939.exe	EK001600GWEPPH	HPG3 (D)	HPG3	新規追加
1475	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCB C and MB002000GWCB D Drives	cp043896.exe	MB001000GWCB C	HPG6 (C)	HPG6	新規追加
1476	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCB C and MB002000GWCB D Drives	cp043896.exe	MB002000GWCB D	HPG6 (C)	HPG6	新規追加
1477	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives	cp043907.exe	MB001000GWFVK	HPG6 (C)	HPG6	新規追加
1478	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives	cp043907.exe	MB002000GWFVL	HPG6 (C)	HPG6	新規追加
1479	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and	cp043936.exe	MB001000GWJAN	HPG1 (C)	HPG1	新規追加

	MB004000GFWFB Drives					
1480	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp043936.exe	MB002000GFWFA	HPG1 (C)	HPG1	新規追加
1481	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp043936.exe	MB004000GFWFB	HPG1 (C)	HPG1	新規追加
1482	Online HDD/SSD Flash Component for Windows (x64) - MB002000GWFGH and MB001000GWFGF Drives	cp043920.exe	MB001000GWFGF	HPG3 (E)	HPG3	新規追加
1483	Online HDD/SSD Flash Component for Windows (x64) - MB002000GWFGH and MB001000GWFGF Drives	cp043920.exe	MB002000GWFGH	HPG3 (E)	HPG3	新規追加
1484	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp043955.exe	MB004000GWKGV	HPG1 (C)	HPG1	新規追加
1485	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp044228.exe	MB004000GWWQH	HPG2 (B)	HPG2	新規追加
1486	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp044228.exe	MB002000GWWQF	HPG2 (B)	HPG2	新規追加
1487	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp044228.exe	MB001000GWWQE	HPG2 (B)	HPG2	新規追加
1488	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives	cp043945.exe	MB006000GWBXQ	HPG8 (C)	HPG8	新規追加
1489	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives	cp043945.exe	MB008000GWBYL	HPG8 (C)	HPG8	新規追加
1490	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp044437.exe	MB006000GWJRR	HPG4 (B)	HPG4	新規追加
1491	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp044437.exe	MB008000GWJRT	HPG4 (B)	HPG4	新規追加
1492	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp043959.exe	MB006000GWKGR	HPG1 (C)	HPG1	新規追加
1493	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp043952.exe	MB008000GWRTC	HPG1 (C)	HPG1	新規追加
1494	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT	cp044209.exe	MB008000GWWQU	HPG2 (B)	HPG2	新規追加

	Drives					
1495	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp044209.exe	MB006000GWWQT	HPG2 (B)	HPG2	新規追加
1496	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp043916.exe	MB010000GWAYN	HPG5 (D)	HPG5	新規追加
1497	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp043916.exe	MB008000GWAYL	HPG5 (D)	HPG5	新規追加
1498	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp043924.exe	MB012000GWDFE	HPG2 (D)	HPG2	新規追加
1499	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFF Drives	cp043962.exe	MB012000GWTFE	HPG6 (B)	HPG6	新規追加
1500	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFF Drives	cp043962.exe	MB014000GWTFF	HPG6 (B)	HPG6	新規追加
1501	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp043949.exe	MB014000GWRTN	HPG2 (C)	HPG2	新規追加
1502	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp043949.exe	MB012000GWRTL	HPG2 (C)	HPG2	新規追加
1503	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp043949.exe	MB010000GWRTK	HPG2 (C)	HPG2	新規追加
1504	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp043957.exe	MB014000GWUDA	HPG2 (C)	HPG2	新規追加
1505	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp043885.exe	MB1000GDUNU	HPG4 (G)	HPG4	新規追加
1506	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp043885.exe	MB2000GDUNV	HPG4 (G)	HPG4	新規追加
1507	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp043885.exe	MB3000GDUPA	HPG4 (G)	HPG4	新規追加
1508	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU,	cp043885.exe	MB4000GDUPB	HPG4 (G)	HPG4	新規追加

	MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives					
1509	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp043905.exe	MB1000GVYZE	HPG4 (G)	HPG4	新規追加
1510	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp043905.exe	MB2000GVYZF	HPG4 (G)	HPG4	新規追加
1511	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp043905.exe	MB3000GVYZH	HPG4 (G)	HPG4	新規追加
1512	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp043905.exe	MB4000GVYZK	HPG4 (G)	HPG4	新規追加
1513	Online HDD/SSD Flash Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	cp043886.exe	MB2000GCWLT	HPG4 (G)	HPG4	新規追加
1514	Online HDD/SSD Flash Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	cp043886.exe	MB3000GCWLU	HPG4 (G)	HPG4	新規追加
1515	Online HDD/SSD Flash Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	cp043886.exe	MB4000GCWLV	HPG4 (G)	HPG4	新規追加
1516	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp043915.exe	MB2000GFEMH	HPG6 (F)	HPG6	新規追加
1517	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp043915.exe	MB4000GFEMK	HPG6 (F)	HPG6	新規追加
1518	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEFNA and MB6000GEFNB Drives	cp043866.exe	MB4000GEFNA	HPG6 (G)	HPG6	新規追加
1519	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEFNA and MB6000GEFNB Drives	cp043866.exe	MB6000GEFNB	HPG6 (G)	HPG6	新規追加
1520	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEQNH and MB6000GEQNK Drives	cp043877.exe	MB4000GEQNH	HPGB (F)	HPGB	新規追加
1521	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEQNH and MB6000GEQNK Drives	cp043877.exe	MB6000GEQNK	HPGB (F)	HPGB	新規追加

1522	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEBTP Drive	cp043904.exe	MB6000GEBTP	HPG4 (F)	HPG4	新規追加
1523	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives	cp043919.exe	MB6000GEQUT	HPGB (F)	HPGB	新規追加
1524	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives	cp043919.exe	MB8000GEQUU	HPGB (F)	HPGB	新規追加
1525	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEXXV Drive	cp043889.exe	MB6000GEXXV	HPG2 (G)	HPG2	新規追加
1526	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYYU Drive	cp043938.exe	MB6000GVYYU	HPG2 (F)	HPG2	新規追加
1527	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp043925.exe	MB6000GVYZB	HPG4 (C)	HPG4	新規追加
1528	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp043925.exe	MB4000GVYZA	HPG4 (C)	HPG4	新規追加
1529	Online HDD/SSD Flash Component for Windows (x64) - MB8000GFECR Drive	cp043890.exe	MB8000GFECR	HPG6 (C)	HPG6	新規追加
1530	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp043937.exe	MK000480GWCEV	HPG3 (D)	HPG3	新規追加
1531	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp043937.exe	MK000960GWCFA	HPG3 (D)	HPG3	新規追加
1532	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp043937.exe	MK001920GWCFB	HPG3 (D)	HPG3	新規追加
1533	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp043937.exe	MK000240GWCEU	HPG3 (D)	HPG3	新規追加
1534	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp043974.exe	MK000480GWSSC	HPG2 (B)	HPG2	新規追加
1535	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp043974.exe	MK000960GWSSD	HPG2 (B)	HPG2	新規追加
1536	Online HDD/SSD Flash Component for Windows	cp043974.exe	MK001920GWSSE	HPG2 (B)	HPG2	新規追加

	(x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives					
1537	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp043974.exe	MK003840GWSSF	HPG2 (B)	HPG2	新規追加
1538	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp044206.exe	MK000480GWXFF	HPG1 (B)	HPG1	新規追加
1539	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp044206.exe	MK000960GWXFH	HPG1 (B)	HPG1	新規追加
1540	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp044206.exe	MK001920GWXFK	HPG1 (B)	HPG1	新規追加
1541	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp044206.exe	MK003840GWXFL	HPG1 (B)	HPG1	新規追加
1542	Online HDD/SSD Flash Component for Windows (x64) - MK003840GWWHITE Drive	cp043947.exe	MK003840GWWHITE	HPG6 (C)	HPG6	新規追加
1543	Online HDD/SSD Flash Component for Windows (x64) - MK0960GECQK Drive	cp043874.exe	MK0960GECQK	HPG3 (I)	HPG3	新規追加
1544	Online HDD/SSD Flash Component for Windows (x64) - MM1000GEFQV and MM2000GEFRA Drives	cp043880.exe	MM1000GEFQV	HPG8 (E)	HPG8	新規追加
1545	Online HDD/SSD Flash Component for Windows (x64) - MM1000GEFQV and MM2000GEFRA Drives	cp043880.exe	MM2000GEFRA	HPG8 (E)	HPG8	新規追加
1546	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp043929.exe	MM1000GFJTE	HPG5 (C)	HPG5	新規追加
1547	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp043928.exe	MR000240GWFLU	HPGE (C)	HPGE	新規追加
1548	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD,	cp043928.exe	MR000480GWFLV	HPGE (C)	HPGE	新規追加

	MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
1549	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp043928.exe	VR000480GWFMD	HPGE (C)	HPGE	新規追加
1550	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp043928.exe	MR000960GWFMA	HPGE (C)	HPGE	新規追加
1551	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp043928.exe	VR000960GWFME	HPGE (C)	HPGE	新規追加
1552	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp043928.exe	MR001920GWFMB	HPGE (C)	HPGE	新規追加
1553	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp043928.exe	VR001920GWFMC	HPGE (C)	HPGE	新規追加
1554	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp043931.exe	VK000150GWCNN	HPG1 (C)	HPG1	新規追加
1555	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp043931.exe	VK000240GWCNP	HPG1 (C)	HPG1	新規追加
1556	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN,	cp043931.exe	VK000480GWCNQ	HPG1 (C)	HPG1	新規追加

	VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives					
1557	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp043931.exe	VK000960GWCNR	HPG1 (C)	HPG1	新規追加
1558	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp043931.exe	VK001600GWCNT	HPG1 (C)	HPG1	新規追加
1559	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp043932.exe	VK000480GWCFE	HPG3 (D)	HPG3	新規追加
1560	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp043932.exe	VK000960GWCFE	HPG3 (D)	HPG3	新規追加
1561	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp043932.exe	VK000240GWCFD	HPG3 (D)	HPG3	新規追加
1562	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp043932.exe	VK001920GWCFH	HPG3 (D)	HPG3	新規追加
1563	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp043932.exe	VK003840GWCFK	HPG3 (D)	HPG3	新規追加
1564	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp043970.exe	VK000240GWEZB	HPGE (C)	HPGE	新規追加
1565	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB,	cp043970.exe	VK000480GWEZC	HPGE (C)	HPGE	新規追加

	VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1566	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp043970.exe	VK000960GWEZD	HPGE (C)	HPGE	新規追加
1567	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp043970.exe	VK001920GWEZE	HPGE (C)	HPGE	新規追加
1568	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp043970.exe	MK000240GWEZF	HPGE (C)	HPGE	新規追加
1569	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp043970.exe	MK000480GWEZ H	HPGE (C)	HPGE	新規追加
1570	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp043970.exe	MK000960GWEZK	HPGE (C)	HPGE	新規追加
1571	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and	cp043970.exe	MK001920GWHR U	HPGE (C)	HPGE	新規追加

	MK001920GWHRU Drives					
1572	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp043927.exe	MK000240GWKVK	HPG5 (C)	HPG5	新規追加
1573	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp043927.exe	MK000480GWJPN	HPG5 (C)	HPG5	新規追加
1574	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp043927.exe	MK000960GWJPP	HPG5 (C)	HPG5	新規追加
1575	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp043927.exe	MK001920GWJPPQ	HPG5 (C)	HPG5	新規追加
1576	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp043927.exe	VK000240GWJPD	HPG5 (C)	HPG5	新規追加
1577	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and	cp043927.exe	VK000480GWJPE	HPG5 (C)	HPG5	新規追加

	MK001920GWJJPQ Drives					
1578	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJJPQ Drives	cp043927.exe	VK000960GWJPF	HPG5 (C)	HPG5	新規追加
1579	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJJPQ Drives	cp043927.exe	VK001920GWJPH	HPG5 (C)	HPG5	新規追加
1580	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJJPQ Drives	cp043927.exe	VK003840GWJPK	HPG5 (C)	HPG5	新規追加
1581	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp043972.exe	VK000240GWSRQ	HPG3 (B)	HPG3	新規追加
1582	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp043972.exe	VK000480GWSRR	HPG3 (B)	HPG3	新規追加
1583	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp043972.exe	VK000960GWSRT	HPG3 (B)	HPG3	新規追加
1584	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp043972.exe	VK001920GWSRU	HPG3 (B)	HPG3	新規追加
1585	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR,	cp043972.exe	VK003840GWSRV	HPG3 (B)	HPG3	新規追加

	VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives					
1586	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	VK000240GWTSV	HPG3 (C)	HPG3	新規追加
1587	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	VK000480GWTTA	HPG3 (C)	HPG3	新規追加
1588	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	VK000960GWTTB	HPG3 (C)	HPG3	新規追加
1589	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	VK001920GWTTT	HPG3 (C)	HPG3	新規追加
1590	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	VK003840GWTTD	HPG3 (C)	HPG3	新規追加
1591	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT,	cp043946.exe	MK000480GWTT H	HPG3 (C)	HPG3	新規追加

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
1592	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	MK000960GWTTK	HPG3 (C)	HPG3	新規追加
1593	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	MK001920GWTTL	HPG3 (C)	HPG3	新規追加
1594	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp043946.exe	MK003840GWTT N	HPG3 (C)	HPG3	新規追加
1595	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp043944.exe	VK000480GWSXF	HPG2 (C)	HPG2	新規追加
1596	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp043944.exe	VK000960GWSXH	HPG2 (C)	HPG2	新規追加
1597	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp043944.exe	VK001920GWSXK	HPG2 (C)	HPG2	新規追加
1598	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF,	cp043944.exe	MK000480GWUG F	HPG2 (C)	HPG2	新規追加

	MK000960GWUGH and MK001920GWUGK Drives					
1599	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp043944.exe	MK000960GWUGH	HPG2 (C)	HPG2	新規追加
1600	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp043944.exe	MK001920GWUGK	HPG2 (C)	HPG2	新規追加
1601	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp043956.exe	VK000480GWTHA	HPG1 (C)	HPG1	新規追加
1602	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp043956.exe	VK000960GWTHB	HPG1 (C)	HPG1	新規追加
1603	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp043956.exe	VK001920GWTHC	HPG1 (C)	HPG1	新規追加
1604	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp043956.exe	VK003840GWTHD	HPG1 (C)	HPG1	新規追加
1605	Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive	cp043942.exe	VK003840GWSXL	HPG2 (C)	HPG2	新規追加
1606	Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive	cp043943.exe	VK007680GWSXN	HPG2 (C)	HPG2	新規追加
1607	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp043892.exe	VK0120GFDKE	HPG1 (F)	HPG1	新規追加
1608	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp043892.exe	VK0240GFDKF	HPG1 (F)	HPG1	新規追加
1609	Online HDD/SSD Flash Component for Windows	cp043892.exe	VK0480GFDKH	HPG1 (F)	HPG1	新規追加

	(x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives					
1610	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp043892.exe	VK0960GFDKK	HPG1 (F)	HPG1	新規追加
1611	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp043892.exe	VK1920GFDKL	HPG1 (F)	HPG1	新規追加
1612	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp043892.exe	VK3840GFDKN	HPG1 (F)	HPG1	新規追加
1613	Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	cp043895.exe	VK0240GEPQN	HPG1 (F)	HPG1	新規追加
1614	Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	cp043895.exe	VK0480GEPQP	HPG1 (F)	HPG1	新規追加
1615	Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	cp043895.exe	VK0960GEPQQ	HPG1 (F)	HPG1	新規追加
1616	Online HDD/SSD Flash Component for Windows (x64) - VR000150GWEPP and VR000480GWEPR Drives	cp043933.exe	VR000150GWEPP	HPG1 (D)	HPG1	新規追加
1617	Online HDD/SSD Flash Component for Windows (x64) - VR000150GWEPP and VR000480GWEPR Drives	cp043933.exe	VR000480GWEPR	HPG1 (D)	HPG1	新規追加
1618	Online HDD/SSD Flash Component for Windows (x64) - XP0120GFJSL and XP0240GFJSN Drives	cp043894.exe	XP0120GFJSL	HPS4 (F)	HPS4	新規追加
1619	Online HDD/SSD Flash Component for Windows (x64) - XP0120GFJSL and XP0240GFJSN Drives	cp043894.exe	XP0240GFJSN	HPS4 (F)	HPS4	新規追加

6.2.17 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1620	Online ROM Flash Component for ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP044423.zip	HPE Smart Array P816i-a SR Gen10 Controller	3.00	3.00	新規追加
1621	Online ROM Flash Component for ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP044423.zip	HPE Smart Array P408i-a SR Gen10 Controller	3.00	3.00	新規追加
1622	Online ROM Flash Component for ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP044423.zip	HPE Smart Array P408i-p SR Gen10 Controller	3.00	3.00	新規追加
1623	Online ROM Flash Component for ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP044423.zip	HPE Smart Array E208e-p SR Gen10 Controller	3.00	3.00	新規追加
1624	Online ROM Flash Component for ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP044423.zip	HPE Smart Array E208i-p SR Gen10 Controller	3.00	3.00	新規追加
1625	Online ROM Flash Component for ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP044423.zip	HPE Smart Array E208i-a SR Gen10 Controller	3.00	3.00	新規追加
1626	Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	CP044309.zip	HPE 12Gb SAS Expander Card	4.22 (A)	4.22	新規追加
1627	Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	cp040619.exe	HPE 12Gb SAS Expander Card	4.22	4.22	
1628	Online ROM Flash Component for Windows (x64) - HPE Smart Array	cp044558.exe	HPE Smart Array P816i-a SR Gen10 Controller	3.00	3.00	更新

	P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10					
1629	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp044558.exe	HPE Smart Array P408i-a SR Gen10 Controller	3.00	3.00	更新
1630	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp044558.exe	HPE Smart Array P408i-p SR Gen10 Controller	3.00	3.00	更新
1631	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp044558.exe	HPE Smart Array E208e-p SR Gen10 Controller	3.00	3.00	更新
1632	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp044558.exe	HPE Smart Array E208i-p SR Gen10 Controller	3.00	3.00	更新
1633	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp044558.exe	HPE Smart Array E208i-a SR Gen10 Controller	3.00	3.00	更新
1634	Supplemental Update / Online ROM Flash Component for Linux (x64) – HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	firmware-smartarray-2de15b6882-4.22-1.1.x86_64.rpm	HPE 12Gb SAS Expander Card	4.22	4.22	
1635	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and	firmware-smartarray-f7c07bdbbd-3.00-1.1.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	3.00	3.00	更新

	P416ie-m SR Gen10					
1636	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7c07bdbbd-3.00-1.1.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	3.00	3.00	更新
1637	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7c07bdbbd-3.00-1.1.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	3.00	3.00	更新
1638	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7c07bdbbd-3.00-1.1.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	3.00	3.00	更新
1639	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7c07bdbbd-3.00-1.1.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	3.00	3.00	更新
1640	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7c07bdbbd-3.00-1.1.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	3.00	3.00	更新

6.2.18 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1641	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2020.09.01-1.22.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1642	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2020.09.01-1.22.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1643	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2020.09.01-1.22.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新

1644	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2020.09.01-1.22.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1645	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2020.09.01-1.22.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1646	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2020.09.01-1.22.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1647	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2012 R2/2016/2019 x64	cp042254.exe	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1648	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2012 R2/2016/2019 x64	cp042254.exe	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1649	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2012 R2/2016/2019 x64	cp042254.exe	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1650	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2012 R2/2016/2019 x64	cp042254.exe	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1651	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2012 R2/2016/2019 x64	cp042254.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1652	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2012 R2/2016/2019 x64	cp042254.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1653	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP042251.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1654	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP042251.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1655	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP042251.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1656	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP042251.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1657	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware	CP042251.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus	2020.09.01	12.6.275.12	更新

	vSphere 6.5		Adapter			
1658	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP042251.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1659	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042252.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1660	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042252.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1661	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042252.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1662	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042252.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1663	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042252.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1664	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042252.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	更新
1665	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042544.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1666	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042544.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1667	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042544.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1668	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042544.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1669	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042544.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1670	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042544.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.275.12	新規追加
1671	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2020.09.01-1.26.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	更新
1672	HPE Firmware Flash for	firmware-fc-qlogic-2020	HPE SN1610Q	2020.09.01	02.03.06	更新

	QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	.09.01-1.26.x86_64.rpm	32Gb 2-port Fibre Channel Host Bus Adapter			
1673	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2020.09.01-1.26.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	01.74.07	更新
1674	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2020.09.01-1.26.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	01.74.07	更新
1675	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2020.09.01-1.26.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	01.74.07	更新
1676	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2020.09.01-1.26.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	01.74.07	更新
1677	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP042515.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	更新
1678	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP042515.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	更新
1679	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042516.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	更新
1680	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP042516.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	更新
1681	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042547.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	新規追加
1682	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP042547.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	新規追加
1683	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2012R2/2016/2019 (x86_64)	cp042518.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	新規追加
1684	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2012R2/2016/2019 (x86_64)	cp042518.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	02.03.06	新規追加
1685	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2012R2/2016/2019 (x86_64)	cp042518.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	01.74.07	新規追加
1686	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2012R2/2016/2019 (x86_64)	cp042518.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	01.74.07	新規追加
1687	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft	cp042518.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel	2020.09.01	01.74.07	新規追加

	Windows Server 2012R2/2016/2019 (x86_64)		Host Bus Adapter			
1688	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2012R2/2016/2019 (x86_64)	cp042518.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	01.74.07	新規追加

6.2.19 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1689	Firmware Package - Gen10 NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flashV1B20.fwpkg	NVMe Backplane PIC	1.20	1.20	
1690	Online Flash Component for Linux - Gen10 NVMe Backplane PIC Firmware	firmware-nvmebackplane-gen10-1.20-5.1.x86_64.rpm	NVMe Backplane PIC	1.20 (E)	1.20	
1691	Online Flash Component for Windows x64 - Gen10 NVMe Backplane PIC Firmware	cp037722.exe	NVMe Backplane PIC	1.20 (D)	1.20	
1692	Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-ie-0.2.2.0-1.1.x86_64.rpm	Innovation Engine (IE) Firmware	0.2.2.0	0.2.2.0	更新
1693	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-sps-04.01.04.381-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.01.04.381 (B)	04.01.04.381	更新
1694	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp045047.exe	Server Platform Services (SPS) Firmware	04.01.04.381 (B)	04.01.04.381	更新
1695	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp044514.exe	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.113	05.01.04.113	更新
1696	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u43u44sps-05.01.04.113-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.113	05.01.04.113	更新
1697	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.IEGen10_0.2.2.0.fwpkg	Innovation Engine (IE) Universal Image	0.2.2.0	0.2.2.0	更新
1698	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200	OEM.SPSGen10_04.01.04.381.1.fwpkg	Server Platform Services (SPS) Firmware	04.01.04.381 (B)	4.1.4.381	更新

	series Processors					
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6.2.20 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1699	HP Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-5.5.0-0.x86_64.rpm	-	5.5.0-0	5.5.0-0	
1700	HP Lights-Out Online Configuration Utility for Windows x64 Editions	cp040708.exe	-	5.4.0.0	5.4.0.0	更新

6.2.21 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1701	HPE Agentless Management Bundle Smart Component for Gen10 on ESXi 7.0	cp043232.zip	-	2020.09.01	11.6.0.13-10EM.700.1.0.15843807	新規追加
1702	HPE CRU Driver Bundle Smart Component for ESXi 7.0	cp044598.zip	-	2020.04.01 (A)	700.10.16-10EM.700.0.0.14828939	新規追加
1703	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0	cp044095.zip	-	2020.09.01	2020.09.01	新規追加
1704	HPE iLO Driver Bundle Smart Component for ESXi 7.0	cp043231.zip	-	2020.09.01	700.10.6.0.10-10EM.700.1.0.15843807	新規追加
1705	HPE Management Bundle Smart Component for ESXi 6.5	cp043234.zip	-	2020.09.01	2020.09.01	更新
1706	HPE Management Bundle Smart Component for ESXi 6.7	cp043233.zip	-	2020.09.01	2020.09.01	更新
1707	HPE SMX Provider Bundle Smart Component for ESXi 7.0	cp044591.zip	-	2020.04.01 (A)	700.03.16.00.12-14828939	新規追加

6.2.22 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1708	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp037793.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.2.1.64	1.2.1.64	
1709	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp037793.exe	HPE Smart Array P408i-p SR Gen10 Controller	1.2.1.64	1.2.1.64	
1710	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp037793.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.2.1.64	1.2.1.64	
1711	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp037793.exe	HPE Smart Array E208e-p SR Gen10 Controller	1.2.1.64	1.2.1.64	
1712	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp037793.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.1.64	1.2.1.64	
1713	HPE Smart Array SR Event	cp037793.exe	HPE Smart Array	1.2.1.64	1.2.1.64	

	Notification Service for Windows Server 64-bit Editions		E208i-a SR Gen10 Controller			
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6.2.23 Software – Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1714	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp042511.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	2.1.101.0-10E M.600.0.0.27 68847	新規追加
1715	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp042511.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	2.1.101.0-10E M.600.0.0.27 68847	新規追加
1716	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp042511.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	2.1.101.0-10E M.600.0.0.27 68847	新規追加
1717	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp042511.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	2.1.101.0-10E M.600.0.0.27 68847	新規追加
1718	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp042511.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	2.1.101.0-10E M.600.0.0.27 68847	新規追加
1719	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp042511.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	2.1.101.0-10E M.600.0.0.27 68847	新規追加
1720	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp042512.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	3.1.36.0-10E M.670.0.0.81 69922	新規追加
1721	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp042512.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	3.1.36.0-10E M.670.0.0.81 69922	新規追加
1722	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp042512.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	3.1.36.0-10E M.670.0.0.81 69922	新規追加
1723	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp042512.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	3.1.36.0-10E M.670.0.0.81 69922	新規追加
1724	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp042512.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	3.1.36.0-10E M.670.0.0.81 69922	新規追加
1725	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp042512.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	3.1.36.0-10E M.670.0.0.81 69922	新規追加
1726	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp042513.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	4.1.9.0-10EM.700.1.0.15525 992	新規追加
1727	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp042513.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	4.1.9.0-10EM.700.1.0.15525 992	新規追加
1728	HPE QLogic Fibre Channel driver component for	cp042513.zip	HPE SN1100Q 16Gb Dual Port	2020.09.01	4.1.9.0-10EM.700.1.0.15525	新規追加

	VMware vSphere 7.0		Fibre Channel Host Bus Adapter		992	
1729	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp042513.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	4.1.9.0-1OEM.700.1.0.15525992	新規追加
1730	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp042513.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	4.1.9.0-1OEM.700.1.0.15525992	新規追加
1731	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp042513.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	4.1.9.0-1OEM.700.1.0.15525992	新規追加
1732	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp042256.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.650.0.0.4598673	新規追加
1733	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp042256.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.650.0.0.4598673	新規追加
1734	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp042256.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.650.0.0.4598673	新規追加
1735	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp042256.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.650.0.0.4598673	新規追加
1736	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp042256.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.650.0.0.4598673	新規追加
1737	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp042256.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.650.0.0.4598673	新規追加
1738	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp042257.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.670.0.0.8169922	新規追加
1739	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp042257.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.670.0.0.8169922	新規追加
1740	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp042257.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.670.0.0.8169922	新規追加
1741	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp042257.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.670.0.0.8169922	新規追加
1742	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp042257.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-1OEM.670.0.0.8169922	新規追加

1743	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp042257.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.182.2-10 EM.670.0.0.8 169922	新規追加
1744	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp042258.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.228.4-10 EM.700.1.0.1 5525992	新規追加
1745	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp042258.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.228.4-10 EM.700.1.0.1 5525992	新規追加
1746	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp042258.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.228.4-10 EM.700.1.0.1 5525992	新規追加
1747	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp042258.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2020.09.01	12.6.228.4-10 EM.700.1.0.1 5525992	新規追加
1748	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp042258.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.228.4-10 EM.700.1.0.1 5525992	新規追加
1749	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp042258.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2020.09.01	12.6.228.4-10 EM.700.1.0.1 5525992	新規追加

6.2.24 Software - Storage Fibre Channel HBA

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1750	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1751	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1752	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1753	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1754	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1755	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新

1756	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1757	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1758	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1759	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1760	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1761	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	4.1-1 (c)	4.1-1_rhel	更新
1762	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel7.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel7	新規追加
1763	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel7.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel7	新規追加
1764	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel7.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel7	新規追加
1765	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel7.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel7	新規追加
1766	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel7.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel7	新規追加
1767	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel7.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel7	新規追加
1768	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 8 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel8.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel8	新規追加
1769	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 8 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel8.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel8	新規追加

1770	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 8 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel8.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel8	新規追加
1771	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 8 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel8.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel8	新規追加
1772	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 8 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel8	新規追加
1773	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 8 Server	HP-CNA-FC-Emulex-Enablement-Kit-12.6.272.0-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.6.272.0	12.6.272.0-1.rhel8	新規追加
1774	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (f)	1.0.0.0-4	更新
1775	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (f)	1.0.0.0-4	更新
1776	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (f)	1.0.0.0-4	更新
1777	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (f)	1.0.0.0-4	更新
1778	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (f)	1.0.0.0-4	更新
1779	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (f)	1.0.0.0-4	更新
1780	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp042255.exe	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
1781	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp042255.exe	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
1782	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp042255.exe	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
1783	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp042255.exe	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新

1784	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp042255.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
1785	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp042255.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
1786	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-13.noarch.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	6.0.0.0-13	6.0.0.0-13	新規追加
1787	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-13.noarch.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	6.0.0.0-13	6.0.0.0-13	新規追加
1788	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-13.noarch.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.0-13	6.0.0.0-13	新規追加
1789	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-13.noarch.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.0-13	6.0.0.0-13	新規追加
1790	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-13.noarch.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.0-13	6.0.0.0-13	新規追加
1791	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-13.noarch.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.0-13	6.0.0.0-13	新規追加
1792	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	3.3-3 (h)	3.3-3	
1793	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	3.3-3 (h)	3.3-3	
1794	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (h)	3.3-3	
1795	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (h)	3.3-3	
1796	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (h)	3.3-3	
1797	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (h)	3.3-3	
1798	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp039719.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (i)	1.0.0.1 (i)	
1799	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp039719.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (i)	1.0.0.1 (i)	
1800	HPE QLogic Smart SAN Enablement Kit for Windows	cp039719.exe	HPE SN1100Q 16Gb Dual Port	1.0.0.1 (i)	1.0.0.1 (i)	

	64 bit operating systems		Fibre Channel Host Bus Adapter			
1801	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp039719.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (i)	1.0.0.1 (i)	
1802	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp039719.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (i)	1.0.0.1 (i)	
1803	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp039719.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (i)	1.0.0.1 (i)	

6.2.25 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1804	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 7 Server	amsd-2.3.0-1451.49.rhel7.x86_64.rpm	-	2.3.0	2.3.0-1451.49.rhel7	更新
1805	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 8 Server	amsd-2.3.0-1443.35.rhel8.x86_64.rpm	-	2.3.0	2.3.0-1443.35.rhel8	新規追加
1806	Agentless Management Service for Windows x64	cp044612.exe	-	2.30.1.0	2.30.1.0	更新
1807	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Windows	cp034635.exe	-	1.1.0.0 (C)	1.1.0.0 (C)	
1808	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-4.21-7.0.x86_64.rpm	-	4.21.7.0	4.21-7.0	更新
1809	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp044875.exe	-	4.21.7.0	4.21.7.0	更新
1810	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-4.21-7.0.x86_64.rpm	-	4.21.7.0	4.21-7.0	更新
1811	Smart Storage Administrator (SSA) for Windows 64-bit	cp044874.exe	-	4.21.7.0	4.21.7.0	更新
1812	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-4.21-7.0.x86_64.rpm	-	4.21.7.0	4.21-7.0	更新
1813	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp044876.exe	-	4.21.7.0	4.21.7.0	更新

6.2.26 Utility - Tools

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1814	HPE Utilities Bundle Smart Component for ESXi 6.5	cp043160.zip	-	2020.09.14	2020.09.14	更新
1815	HPE Utilities Bundle Smart Component for ESXi 6.7	cp043161.zip	-	2020.09.14	2020.09.14	更新
1816	HPE Utilities Bundle Smart Component for ESXi 7.0	cp043159.zip	-	2020.09.14	2020.09.14	新規追加

6.3 パッケージの変更内容

Online ROM Flash Component for Linux - OEM System ROM U34

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Linux - System ROM U30

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Linux - System ROM U32

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Linux - System ROM U41

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.

- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Linux - System ROM U43

Enhancements/New Features:

- Updated to the latest thermal support for the platform.
- Updated the RESTful API BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel microcode for Intel Pentium processors which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to HITACHI servers. This update does not impact systems using Intel Xeon based processors.
- Addressed an issue where a dual port networking device may show up in the System Configuration Utilities with two Port 1 names instead of properly being represented as Port 1 and Port 2. This did not impact any functionality to the device.
- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549, also known as CacheOut. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for security vulnerabilities documented as CVE-2020-0528 and CVE-2020-0529. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00322. These issues are not unique to Hitachi servers.
- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.

- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the server may become unresponsive during POST with a Red Screen Exception (RSOD) when the server was reset (restarted) at the same time that an iLO firmware reset was initiated. Note that updating iLO firmware results in the reset of iLO firmware.
- Addressed an issue where the System Utilities System Information data could not be successfully exported to an FTP (network) location. Previously the System Utilities would report the file was saved successfully but no actual information was saved on the network share.

Online ROM Flash Component for Linux - System ROM U44

Enhancements/New Features:

- Updated to the latest thermal support for the platform.
- Updated the RESTful API BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel microcode for Intel Pentium processors which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to HITACHI servers. This update does not impact systems using Intel Xeon based processors.
- Addressed an issue where a dual port networking device may show up in the System Configuration Utilities with two Port 1 names instead of properly being represented as Port 1 and Port 2. This did not impact any functionality to the device.
- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549, also known as CacheOut. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for security vulnerabilities documented as CVE-2020-0528 and CVE-2020-0529. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00322. These issues are not unique to Hitachi servers.
- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the server may become unresponsive during POST with a Red Screen

Exception (RSOD) when the server was reset (restarted) at the same time that an iLO firmware reset was initiated. Note that updating iLO firmware results in the reset of iLO firmware.

- Addressed an issue where the System Utilities System Information data could not be successfully exported to an FTP (network) location. Previously the System Utilities would report the file was saved successfully but no actual information was saved on the network share.

Online ROM Flash Component for Windows x64 - OEM System ROM U34

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Windows x64 - System ROM U30

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems

configured in UEFI Boot Mode.

- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Windows x64 - System ROM U32

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Windows x64 - System ROM U41

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly

and the serial output from the host would be corrupted or no output would be seen.

- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE20000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Online ROM Flash Component for Windows x64 - System ROM U43

Enhancements/New Features:

- Updated to the latest thermal support for the platform.
- Updated the RESTful API BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel microcode for Intel Pentium processors which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to HITACHI servers. This update does not impact systems using Intel Xeon based processors.
- Addressed an issue where a dual port networking device may show up in the System Configuration Utilities with two Port 1 names instead of properly being represented as Port 1 and Port 2. This did not impact any functionality to the device.
- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549, also known as CacheOut. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for security vulnerabilities documented as CVE-2020-0528 and CVE-2020-0529. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00322. These issues are not

unique to Hitachi servers.

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the server may become unresponsive during POST with a Red Screen Exception (RSOD) when the server was reset (restarted) at the same time that an iLO firmware reset was initiated. Note that updating iLO firmware results in the reset of iLO firmware.
- Addressed an issue where the System Utilities System Information data could not be successfully exported to an FTP (network) location. Previously the System Utilities would report the file was saved successfully but no actual information was saved on the network share.

Online ROM Flash Component for Windows x64 - System ROM U44

Enhancements/New Features:

- Updated to the latest thermal support for the platform.
- Updated the RESTful API BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel microcode for Intel Pentium processors which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to HITACHI servers. This update does not impact systems using Intel Xeon based processors.
- Addressed an issue where a dual port networking device may show up in the System Configuration Utilities with two Port 1 names instead of properly being represented as Port 1 and Port 2. This did not impact any functionality to the device.
- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549, also known as CacheOut. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for security vulnerabilities documented as CVE-2020-0528 and CVE-2020-0529. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00322. These issues are not unique to Hitachi servers.
- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface

was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.

- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the server may become unresponsive during POST with a Red Screen Exception (RSOD) when the server was reset (restarted) at the same time that an iLO firmware reset was initiated. Note that updating iLO firmware results in the reset of iLO firmware.
- Addressed an issue where the System Utilities System Information data could not be successfully exported to an FTP (network) location. Previously the System Utilities would report the file was saved successfully but no actual information was saved on the network share.

ROM Flash Firmware Package - System ROM U30

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

ROM Flash Firmware Package - System ROM U32

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

ROM Flash Firmware Package - System ROM U34

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

ROM Flash Firmware Package - System ROM U41

Problems Fixed:

- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an issue where UEFI Serial Debug output could inadvertently be seen over BIOS Serial Console. This issue would be seen periodically on server reboots. This issue was introduced with System ROM v2.30 and did not impact servers using previous versions of the System ROM.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the system may experience a Bank 0x9/0xA/0xB Uncorrectable Machine Check Exception with a Status Code of 0xBE200000'000C110A and an Address field value of 0x00000000'00000280.

Enhancements/New Features

- Updated to the latest thermal support for the platform.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

ROM Flash Firmware Package - System ROM U43

Enhancements/New Features:

- Updated to the latest thermal support for the platform.
- Updated the RESTful API BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel microcode for Intel Pentium processors which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to HITACHI servers. This

update does not impact systems using Intel Xeon based processors.

- Addressed an issue where a dual port networking device may show up in the System Configuration Utilities with two Port 1 names instead of properly being represented as Port 1 and Port 2. This did not impact any functionality to the device.
- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549, also known as CacheOut. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for security vulnerabilities documented as CVE-2020-0528 and CVE-2020-0529. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00322. These issues are not unique to Hitachi servers.
- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the server may become unresponsive during POST with a Red Screen Exception (RSOD) when the server was reset (restarted) at the same time that an iLO firmware reset was initiated. Note that updating iLO firmware results in the reset of iLO firmware.
- Addressed an issue where the System Utilities System Information data could not be successfully exported to an FTP (network) location. Previously the System Utilities would report the file was saved successfully but no actual information was saved on the network share.

ROM Flash Firmware Package - System ROM U44

Enhancements/New Features:

- Updated to the latest thermal support for the platform.
- Updated the RESTful API BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel microcode for Intel Pentium processors which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to HITACHI servers. This update does not impact systems using Intel Xeon based processors.
- Addressed an issue where a dual port networking device may show up in the System Configuration

Utilities with two Port 1 names instead of properly being represented as Port 1 and Port 2. This did not impact any functionality to the device.

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-0543 as well as CVE-2020-0548 and CVE-2020-0549, also known as CacheOut. These security vulnerabilities are documented in Intel Security Advisories INTEL-SA-00320 and INTEL-SA-00329. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for security vulnerabilities documented as CVE-2020-0528 and CVE-2020-0529. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00322. These issues are not unique to Hitachi servers.
- Addressed an issue where the serial port would not function properly when the iLO CLI serial interface was also enabled on the platform. This could lead to the serial BAUD rate not being configured properly and the serial output from the host would be corrupted or no output would be seen.
- Addressed an extremely rare issue where the system could become unresponsive in POST when configured in Legacy Boot Mode when a USB Mouse is attached. This issue does not impact systems configured in UEFI Boot Mode.
- Addressed an issue where boot devices could disappear from the Boot Options menu in the BIOS/Platform Configuration (RBSU) when pressing the F10 or F12 key to save boot order changes.
- Addressed an issue where the server may become unresponsive during POST with a Red Screen Exception (RSOD) when the server was reset (restarted) at the same time that an iLO firmware reset was initiated. Note that updating iLO firmware results in the reset of iLO firmware.
- Addressed an issue where the System Utilities System Information data could not be successfully exported to an FTP (network) location. Previously the System Utilities would report the file was saved successfully but no actual information was saved on the network share.

Integrated Smart Update Tools 2.7.0 for ESXi 6.5

Version: 2020.09.00 (Recommended)

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

Integrated Smart Update Tools 2.7.0 for ESXi 6.7

Version: 2020.09.00 (Recommended)

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

Integrated Smart Update Tools 2.7.0 for ESXi 7.0

Version: 2020.09.00 (Recommended)

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the enhancements added in this release

Integrated Smart Update Tools for Linux x64

Version: 2.7.0.0 (Recommended)

Important Note!

Please note the following:

SUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later. If an earlier version of SUM is used, SUT will notify the user that SUM 8.0.0 and later is required.

SUT uses the iLO RESTful Tool to communicate with iLO. iLO RESTful Tool is included with the SUT component and is installed as part of the SUT installation process. If an earlier version of the iLO RESTful Tool is already installed on a server, the iLO RESTful Tool provided with SUT will be upgraded on the server. SUT will service HPE ProLiant Gen8 and later versions and requires iLO 4 firmware version 2.51 or later. For Gen10 and above we need iLO 5 firmware version 1.11 or later

Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the SUT Release Notes.

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

Integrated Smart Update Tools for Windows x64

Version: 2.7.0.0 (Recommended)

Important Note!

Please note the following:

iSUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later. If an earlier version of SUM is used, iSUT will notify the user that SUM 8.0.0 and later is required.

iSUT will service HPE ProLiant Gen8 and later versions and requires iLO 4 firmware version 2.51 or later.

For Gen10 and above we need iLO 5 firmware version 1.11 or later

Integrated Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the iSUT Release Notes.

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

HPE Broadcom NetXtreme-E Driver for Windows Server 2016

Version: 216.0.143.3 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which live firmware upgrade fails when run on both interfaces of the adapter simultaneously.

This product corrects a timeout issue which configures network connection.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Driver for Windows Server 2019

Version: 216.0.143.3 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which live firmware upgrade fails when run on both interfaces of the adapter simultaneously.

This product corrects a timeout issue which configures network connection.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7

Version: 1.10.1-216.0.169.4 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64, version 1.9.0 or later, for use with these drivers.

Fixes

This product corrects an issue which offload is not happening on bond(vf and virtio) interface after the fail over with VF as the active slave

This product corrects an issue which driver loading failed on kdump kernel.

This product corrects an issue which RoCE driver causes input output memory management unit(IOMMU) warnings

This product corrects an issue which RoCE Link Aggregation (RoCE LAG) when Maximum Transmission Unit(MTU) was changed.

This product corrects an issue which Link up failed after resuming from hibernation

This product corrects an issue which Virtual Function RoCE driver causes Virtual Machine to be rebooted

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

This product now sets Maximum Transmission Unit(MTU) default value from firmware returned value

This product now not support user establishing connections using RDMA communication manager(CM) when Priority-based Flow Control (PFC) configured VLAN ID is 0

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

Version: 1.10.1-216.0.169.4 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64, version 1.9.0 or later, for use with these drivers.

Fixes

This product corrects an issue which offload is not happening on bond(vf and virtio) interface after the fail over with VF as the active slave

This product corrects an issue which driver loading failed on kdump kernel.

This product corrects an issue which RoCE driver causes input output memory management unit(IOMMU) warnings

This product corrects an issue which RoCE Link Aggregation (RoCE LAG) when Maximum Transmission Unit(MTU) was changed.

This product corrects an issue which Link up failed after resuming from hibernation

This product corrects an issue which Virtual Function RoCE driver causes Virtual Machine to be rebooted

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

This product now sets Maximum Transmission Unit(MTU) default value from firmware returned value

This product now not support user establishing connections using RDMA communication manager(CM) when Priority-based Flow Control (PFC) configured VLAN ID is 0

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware, version 5.11.0 or later, for use with this driver.

Fixes

This product corrects an issue where RDMA Ethernet Controller error description on ESXi Host.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware, version 5.11.0 or later, for use with this driver.

Fixes

This product corrects an issue where RDMA Ethernet Controller error description on ESXi Host.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware, version 5.11.0 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

Version: 216.0.88.3 (Optional)

Prerequisites

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7, version 1.10.1-216.0.169.4 or later, must be installed before installing this product.

The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

This product corrects an issue which RoCE bond is not getting created automatically after system reboot.

This product corrects an issue which errors/performance may degrade after hot plug operation is performed.

Enhancements

This product now disables loading RoCE driver on VFs when Link Aggregation is enabled.

This product now supports rdma-core v22.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

Version: 216.0.88.3 (Optional)

Prerequisites

The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

This product corrects an issue which RoCE bond is not getting created automatically after system reboot

This product corrects an issue which errors/performance may degrade after hot plug operation is

performed

Enhancements

This product now disables loading RoCE driver on VFs when Link Aggregation is enabled

This product now supports rdma-core v22

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

Version: 216.0.88.3 (Optional)

Prerequisites

The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

This product corrects an issue which RoCE bond is not getting created automatically after system reboot

This product corrects an issue which errors/performance may degrades after hot plug operation is performed

Enhancements

Initial release.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 214.0.0.4 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which system crashed while enable/disable cycle when running along with certain video driver.

This product correct an issue which the Gets statistics from a network adapter command (Get-NetAdapterStatistics) does not work with WS2019.

Supported Devices and Features

This driver supports the following network adapters:

HP Ethernet 1Gb 2-port 330i Adapter (22BD)

HP Ethernet 1Gb 4-port 331i Adapter (22BE)

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

HP Ethernet 1Gb 2-port 332i Adapter (22E8)

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 3.138b-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.25.1 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 1Gb 2-port 330i Adapter (22BD)

HP Ethernet 1Gb 4-port 331i Adapter (22BE)

HP Ethernet 1Gb 4-port 331FLR Adapter

HP Ethernet 1Gb 4-port 331T Adapter

HP Ethernet 1Gb 2-port 332i Adapter (22E8)

HP Ethernet 1Gb 2-port 332T Adapter

Version: 3.138b-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.25.1 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

Supported Devices and Features

These drivers support the following network adapters:

HPE Ethernet 1Gb 2-port 330i Adapter (22BD)

HPE Ethernet 1Gb 4-port 331i Adapter (22BE)

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

HPE Ethernet 1Gb 2-port 332i Adapter (22E8)

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 2.11.27-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

This product corrects an issue which querying DCB configuration data failed on Intel Carlsville controller if driver probe or set at 2.5/5G speed.

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HPE Ethernet 1Gb 4-port 369i Adapter

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 563i Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

Version: 2.11.27-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS.

This product corrects an issue which querying DCB configuration data failed on Intel Carsville controller if driver probe or set at 2.5/5G speed.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HPE Ethernet 1Gb 4-port 369i Adapter

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 563i Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Intel i40ea Driver for Windows Server 2012 R2

Version: 1.12.171.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which Blue Screen of Death (BSOD) (0x133) occurred with Remote Access Role service during shutdown.

This product correct an issue which system crashed after few modifying Intel Advanced Network Services (Intel ans) Team type with tagged Virtual Local Area Network (VLAN).

Enhancements

This product added implementation of Advanced Link Speed functionality in Physical Function (PF) driver that are supports dynamic link speed changes.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Intel i40ea Driver for Windows Server 2016

Version: 1.12.171.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which Blue Screen of Death (BSOD) (0x133) occurred with Remote Access Role service during shutdown.

This product correct an issue which system crashed after few modifying Intel Advanced Network Services (Intel ans) Team type with tagged Virtual Local Area Network (VLAN).

Enhancements

This product added implementation of Advanced Link Speed functionality in Physical Function (PF) driver that are supports dynamic link speed changes.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Intel i40ea Driver for Windows Server 2019

Version: 1.12.171.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which Blue Screen of Death (BSOD) (0x133) occurred with Remote Access Role service during shutdown.

This product correct an issue which system crashed after few modifying Intel Advanced Network Services (Intel ans) Team type with tagged Virtual Local Area Network (VLAN).

Enhancements

This product added implementation of Advanced Link Speed functionality in Physical Function (PF) driver that are supports dynamic link speed changes.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Intel i40eb Driver for Windows Server 2012 R2

Version: 1.12.171.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which Blue Screen of Death (BSOD) (0x133) occurred with Remote Access Role service during shutdown.

This product correct an issue which system crashed after few modifying Intel Advanced Network Services (Intel ans) Team type with tagged Virtual Local Area Network (VLAN).

Enhancements

This product added implementation of Advanced Link Speed functionality in Physical Function (PF) driver that are supports dynamic link speed changes.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 568i Adapter

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 4-port 369i Adapter

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Intel i40eb Driver for Windows Server 2016

Version: 1.12.171.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which Blue Screen of Death (BSOD) (0x133) occurred with Remote Access Role service during shutdown.

This product correct an issue which system crashed after few modifying Intel Advanced Network Services (Intel ans) Team type with tagged Virtual Local Area Network (VLAN).

Enhancements

This product added implementation of Advanced Link Speed functionality in Physical Function (PF) driver that are supports dynamic link speed changes.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 568i Adapter

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 4-port 369i Adapter
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Intel i40eb Driver for Windows Server 2019

Version: 1.12.171.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Fixes

This product correct an issue which Blue Screen of Death (BSOD) (0x133) occurred with Remote Access Role service during shutdown.

This product correct an issue which system crashed after few modifying Intel Advanced Network Services (Intel ans) Team type with tagged Virtual Local Area Network (VLAN).

Enhancements

This product added implementation of Advanced Link Speed functionality in Physical Function (PF) driver that are supports dynamic link speed changes.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 568i Adapter
HPE Ethernet 1Gb 2-port 368i Adapter
HPE Ethernet 1Gb 4-port 369i Adapter
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Intel i40en Driver for VMware vSphere 6.5

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.13.0 or later, for use with this driver.

Fixes

This product corrects an issue which PCI device information passing to intnetcli Command-Line Interface

(Intel ESXCLI Plug-In Managing tool).

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 4-port 369i Adapter

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 568i Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Intel i40en Driver for VMware vSphere 6.7

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.13.0 or later, for use with this driver.

Fixes

This product corrects an issue which PCI device information passing to intnetcli Command-Line Interface (Intel ESXCLI Plug-In Managing tool).

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 4-port 369i Adapter

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 568i Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Intel i40en Driver for VMware vSphere 7.0

Version: 2020.05.29 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver

deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.12.50 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 4-port 369i Adapter

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 568i Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 3.9.5-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368i Adapter

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HPE Ethernet 1Gb 4-port 369i Adapter

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 563i Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

Version: 3.9.5-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 1Gb 2-port 368i Adapter
- HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 563i Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 6.2.3-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

Supported Devices and Features

These drivers support the following Intel network adapters:

- HP Ethernet 1Gb 2-port 361i Adapter
- HP Ethernet 1Gb 2-port 361T Adapter
- HP Ethernet 1Gb 2-port 363i Adapter
- HP Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board
- HP Ethernet 1Gb 4-port 366T Adapter

Version: 6.2.3-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Supported Devices and Features

These drivers support the following Intel network adapters:

- HP Ethernet 1Gb 2-port 361i Adapter
- HP Ethernet 1Gb 2-port 361T Adapter
- HP Ethernet 1Gb 2-port 363i Adapter
- HP Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board
- HP Ethernet 1Gb 4-port 366T Adapter

HPE Intel igbn Driver for VMware vSphere 7.0

Version: 2020.05.29 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.12.50 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

These drivers support the following network adapters:

- HP Ethernet 1Gb 2-port 361i Adapter
- HP Ethernet 1Gb 2-port 361T Adapter
- HP Ethernet 1Gb 2-port 363i Adapter
- HP Ethernet 1Gb 4-port 366FLR Adapter
- HP Ethernet 1Gb 4-port 366i Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board
- HP Ethernet 1Gb 4-port 366T Adapter

HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 5.7.1-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

This product update Linux kernel documentation and Configure IRQ affinity tools

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLB Adapter

HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HP Ethernet 10Gb 2-port 560M Adapter

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

Version: 5.7.1-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

This product update Linux kernel documentation and Configure IRQ affinity tools

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLB Adapter

HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HP Ethernet 10Gb 2-port 560M Adapter

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixgben Driver for VMware vSphere 6.5

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.13.0 or later, for use with this driver.

Fixes

This product corrects an issue which notification from Link Partner when executed Link Flow Control settings.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixgben Driver for VMware vSphere 6.7

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.13.0 or later, for use with this driver.

Fixes

This product corrects an issue which notification from Link Partner when executed Link Flow Control settings.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixgben Driver for VMware vSphere 7.0

Version: 2020.05.29 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.12.50 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 4.7.1-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

This product update Linux kernel documentation and Configure IRQ affinity tools

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLB Adapter

HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HP Ethernet 10Gb 2-port 560M Adapter

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

Version: 4.7.1-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64,

version 1.20.0 or later, for use with these drivers.

Fixes

This product corrects an issue which errata kernel loads inbox driver instead of this component after booting into OS

Enhancements

This product update Linux kernel documentation and Configure IRQ affinity tools

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLB Adapter

HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HP Ethernet 10Gb 2-port 560M Adapter

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixs Driver for Windows Server 2012 R2

Version: 3.14.214.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This driver supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixs Driver for Windows Server 2016

Version: 4.1.199.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This driver supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixv Driver for Windows Server 2019

Version: 4.1.197.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This driver supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel vxv Driver for Windows Server 2012 R2

Version: 1.2.199.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Prerequisites

This driver requires host driver version 3.14.214.0 or later.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This component supports the following HPE Intel ixv network adapters:

HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 560SFP+ Adapter

This component supports the following HPE Intel ixt network adapters:

HPE Ethernet 10Gb 2-port 561FLR-T Adapter

HPE Ethernet 10Gb 2-port 561T Adapter

HPE Intel vxv Driver for Windows Server 2016

Version: 2.1.192.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server

x64 Editions, version 5.2.3.0 or later, for use with this driver.

Prerequisites

This driver requires host driver version 4.1.199.0 or later.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This component supports the following HPE Intel ixn network adapters:

HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Intel vxn Driver for Windows Server 2019

Version: 2.1.191.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Prerequisites

This driver requires host driver version 4.1.179.0 or later.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This component supports the following HPE Intel ixn network adapters:

HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter

HPE Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Intel vxs Driver for Windows Server 2012 R2

Version: 1.2.199.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Prerequisites

This driver requires host driver version 3.14.214.0 or later.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This driver supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel vxs Driver for Windows Server 2016

Version: 2.1.192.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Prerequisites

This driver requires host driver version 4.1.199.0 or later.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This driver supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel vxs Driver for Windows Server 2019

Version: 2.1.191.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with this driver.

Prerequisites

This driver requires host driver version 4.1.179.0 or later.

Enhancements

This product contains Windows system update supported improvements.

Supported Devices and Features

This driver supports the following network adapters:

HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2012 R2

Version: 2.40.22511.0 (Optional)

Fixes

This product correct an issue which caused memory corruption in case the OS provided continues memory across multiple pages that did not start with offset zero on aligned memory address.

This product correct an issue that prevented the device from being updated with the new driver because the driver was already in the driver store.

This product correct an issue which occasionally prevented the VF counters from being displayed correctly in perfmon.

This product correct an issue which caused the driver to report zero link speeds supported when working with firmware older than 1x.18.0240.

This product correct an issue which fixed a memory leak issue in error flow during driver initialization.

Enhancements

The number of VMs is limited to 124 VMs with VMQ(Virtual Machine Queue) mode.

The driver supports up to 200 vPorts in ConnectX-4 Lx and 254 vPorts in ConnectX-5 with SRIOV(Single Root I/O Virtualization).

Supported Devices and Features

This driver supports the following network adapters:

HPE Ethernet 100Gb 1-port 842QSFP28 Adapter

HPE Ethernet 25Gb 2-port 640SFP28 Adapter

HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

HPE Ethernet 10Gb 2-port 548SFP+ Adapter

HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter

HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter

HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter

HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016

Version: 2.40.22511.0 (Optional)

Fixes

This product correct an issue which caused memory corruption in case the OS provided continues memory across multiple pages that did not start with offset zero on aligned memory address.

This product correct an issue that prevented the device from being updated with the new driver because the driver was already in the driver store.

This product correct an issue which occasionally prevented the VF counters from being displayed correctly in perfmon.

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HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

HPE Ethernet 10Gb 2-port 548SFP+ Adapter

HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter

HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter

HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter

HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019

Version: 2.40.22511.0 (Optional)

Fixes

This product correct an issue which caused memory corruption in case the OS provided continues memory across multiple pages that did not start with offset zero on aligned memory address.

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HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

HPE Ethernet 10Gb 2-port 548SFP+ Adapter

HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter

HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter

HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter

HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter

Version: 4.14 (Optional)

Fixes

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Enhancements

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Supported Devices and Features

SUPPORTED KERNELS:

3.10.0-1062.el7 - (x86_64) and future update kernels.

Version: 4.14 (Optional)

Fixes

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Enhancements

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Supported Devices and Features

SUPPORTED KERNELS:

4.18.0-147.el8 - (x86_64) and future update kernels.

Version: 5.0 (Recommended)

Important Note!

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa_kernel RPMs) supports only Ethernet mode of operation for HPE Mellanox adapters. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install MLNX-OFED drivers from "Mellanox OFED VPI Drivers and Utilities" Linux Software Delivery Repository (http://downloads.linux.hpe.com/SDR/repo/mlnx_ofed/).

Prerequisites

Following packages must be installed from the respective OS distributions prior to installing the driver component:

Python version 2.7

Fixes

The following issues have been fixed in version 5.0:

After a packet drop, the Rx page was not replenished. In certain rare scenarios, the same page fragment was mistakenly assigned to two different Rx descriptors for Write.

ibsim was missing after OFED installation.

ucx-kmem was missing after OFED installation.

A dependency issue between systemd and RDMA-Core was fixed.

Adding hairpin flows using Traffic Class (TC) tool was not allowed.

Work Queue (WQ) flushing was not handled properly in the event of Enhanced Error Handling (EEH).

When exiting an application that uses Reliable Message Passing Protocol (RMPP) made intensively, the kernel crashed.

perftest applications (ib_read_*, ib_write_* and others) supplied with MLNX_OFED v5.0 and above did not work correctly if corresponding applications on another side of client-server communication were supplied with previous versions of MLNX_OFED due to an interoperability issue.

When AER/slot reset is in done in parallel to user space commands execution, the kernel crashed.

Missing Explicit Congestion Notification (ECN) configuration under sysfs for Physical Functions (PFs) in SwitchDev mode.

Enhancements

Changes and new features in HPE Mellanox RoCE driver version 5.0:

For ConnectX-5 Adapters and above

Improved the performance of Kernel software managed flow steering by reducing its memory consumption.

Supported Devices and Features

SUPPORTED KERNELS:

3.10.0-1062.el7 - (x86_64) and future update kernels.

Version: 5.0 (Recommended)

Important Note!

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa_kernel RPMs) supports only Ethernet mode of operation for HPE Mellanox adapters. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install MLNX-OFED drivers from "Mellanox OFED VPI Drivers and Utilities" Linux Software Delivery Repository (http://downloads.linux.hpe.com/SDR/repo/mlnx_ofed/).

Prerequisites

Following packages must be installed from the respective OS distributions prior to installing the driver component:

Python version 2.7

Fixes

The following issues have been fixed in version 5.0:

After a packet drop, the Rx page was not replenished. In certain rare scenarios, the same page fragment was mistakenly assigned to two different Rx descriptors for Write.

ibsim was missing after OFED installation.

ucx-kmem was missing after OFED installation.

A dependency issue between systemd and RDMA-Core was fixed.

Adding hairpin flows using Traffic Class (TC) tool was not allowed.

Work Queue (WQ) flushing was not handled properly in the event of Enhanced Error Handling (EEH).

When exiting an application that uses Reliable Message Passing Protocol (RMPP) mads intensively ,the kernel crashed.

perftest applications (ib_read_*, ib_write_* and others) supplied with MLNX_OFED v5.0 and above did not work correctly if corresponding applications on another side of client-server communication were

supplied with previous versions of MLNX_OFED due to an interoperability issue.

When AER/slot reset is in done in parallel to user space commands execution, the kernel crashed.

Missing Explicit Congestion Notification (ECN) configuration under sysfs for Physical Functions (PFs) in SwitchDev mode.

Enhancements

Changes and new features in HPE Mellanox RoCE driver version 5.0:

For ConnectX-5 Adapters and above

Improved the performance of Kernel software managed flow steering by reducing its memory consumption.

Supported Devices and Features

SUPPORTED KERNELS:

4.18.0-147.el8 - (x86_64) and future update kernels.

HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 8.50.25.0-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE QLogic FastLinQ Online Firmware Upgrade Utility for Linux x86_64, version 1.9.0 or later, for use with these drivers.

Fixes

This product corrects an issue which system crash after unloading and reloading only roce driver

This product corrects an issue which VF RDMA system crash in overnight reboot test on multiple VMs

This product corrects an issue which VMs crash randomly upon advanced property disable/enable with Max VFs enumerated on all PFs

This product corrects an issue which iSCSI BFS system fails to reboot if one port is down and reboot is attempted

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

This product now adds PCIe Advanced Error Recovery (AER) support

This product now supports RoCE bonding mode

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

Version: 8.50.25.0-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE QLogic FastLinQ Online Firmware Upgrade Utility for Linux x86_64, version 1.9.0 or later, for use with these drivers.

Fixes

This product corrects an issue which system crash after unloading and reloading only roce driver

This product corrects an issue which VF RDMA system crash in overnight reboot test on multiple VMs

This product corrects an issue which VMs crash randomly upon advanced property disable/enable with Max VFs enumerated on all PFs

This product corrects an issue which iSCSI BFS system fails to reboot if one port is down and reboot is attempted

Enhancements

This product now adds PCIe Advanced Error Recovery (AER) support

This product now supports RoCE bonding mode

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions

Version: 8.50.10.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with these drivers.

Fixes

This product correct an issue which fixes the Virtual Function (VF) sleep duration on the channel while it waits for Physical Function(PF) response.

This product correct an issue which System crashed when Single Root I/O Virtualization(SR-IOV) enabled on few partitions and disabled on few partitions using OneView.

This product correct an issue which operating system boot failure after update Firmware to 08.50.27.

This product correct an issue which System crashed is seen while upgrading drivers on enabled Network Partitioning (NPAR) and Single Root I/O Virtualization(SR-IOV) with enterprise data Center mode.

This product correct an issue which Virtual Machines (VMs) crash randomly upon advanced property disable/enable with Max virtual functions (VFs) enumerated on all Physical Functions(PFs).

This product correct an issue which System crashed seen while disabling Network Driver Interface

Specification (NDIS) driver while running RoCEv2 IPv6 traffic on Management OS.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10Gb 2-port 524SFP+ OCP3 Adapter

HPE Ethernet 10Gb 2-port 523T OCP3 Adapter

HPE Ethernet 10Gb 2-port 523T Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.5

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.12.0 or later, for use with this driver.

Fixes

This product corrects an issue where Fibre Channel over Ethernet (FCoE) frame with CRC size and End Of Frame(EOF) size.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.7

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific

CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.12.0 or later, for use with this driver.

Fixes

This product corrects an issue where Fibre Channel over Ethernet (FCoE) frame with CRC size and End Of Frame(EOF) size.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0

Version: 2020.05.29 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.11.50 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE StoreFabric CN1300R Converged Network Adapter

Version: 2.11.5.13-3 (Optional)

Enhancements

Initial release.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HP Ethernet 10Gb 2-port 530T Adapter

HP FlexFabric 10Gb 2-port 533FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HP StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R-T Converged Network Adapter

HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.27.0 or later, for use with this driver.

Fixes

This product corrects an issue where Purple Screen Of Death (PSOD) when ethernet link connected to 533FLR-T/536FLR-T Adapters.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

HPE StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R 10GBASE-T Dual Port Converged Network Adapter

HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7

Version: 2020.09.14 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.27.0 or later, for use with this driver.

Fixes

This product corrects an issue where Purple Screen Of Death(PSOD) when ethernet link connected to 533FLR-T/536FLR-T Adapters.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

HPE StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R 10GBASE-T Dual Port Converged Network Adapter

HPE QLogic NX2 10/20 Gb Multifunction Driver for VMware vSphere 7.0

Version: 2020.05.29 (Optional)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.26.50 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

HPE StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R 10GBASE-T Dual Port Converged Network Adapter

HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 7.14.70-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64, version 2.27.0 or later, for use with these drivers.

Fixes

This product corrects an issue which system crash after unloading bnx2i driver

This product corrects an issue which driver asserts due to stats update timeout

This product corrects an issue which activity LED behavior is not consistent on 10GbT cards on the windows environment

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 8

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 533FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R-T Converged Network Adapter

Version: 7.14.70-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64, version 2.27.0 or later, for use with these drivers.

Fixes

This product corrects an issue which system crash after unloading bnx2i driver

This product corrects an issue which driver asserts due to stats update timeout

This product corrects an issue which activity LED behavior is not consistent on 10GbT cards on the windows environment

Enhancements

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 533FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter
HP StoreFabric CN1100R Dual Port Converged Network Adapter
HPE StoreFabric CN1100R-T Converged Network Adapter

HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions

Version: 7.13.187.0 (Optional)

Important Note!

HP recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.3.0 or later, for use with these drivers.

Fixes

This product correct an issue which Blue Screen of Death (BSOD) that thread's saved floating-point state is invalid when executed Network stress.

This product correct an issue which failed to generate Internet Small Computer System Interface(iSCSI) Crash dump in Secure Boot enabled.

Supported Devices and Features

This driver supports the following network adapters:

HP Ethernet 10Gb 2-port 530SFP+ Adapter
HP Ethernet 10Gb 2-port 530T Adapter
HP Ethernet 10Gb 2-port 533FLR-T Adapter
HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
HPE FlexFabric 10Gb 4-port 536FLR-T Adapter
HP StoreFabric CN1100R Dual Port Converged Network Adapter
HPE StoreFabric CN1100R-T Converged Network Adapter

net-mst kernel module driver component for VMware ESXi 6.5 and 6.7

Version: 2019.09.11 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the HPE vibsdepot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

Prerequisites

NA

Fixes

NMST version 4.12.0.105

Enhancements

NMST version 4.12.0.105:

This version adds support for the following adapters:

HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter (Part Number: P21930-B21)

HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter (Part Number: P11341-B21)

HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter (Part Number: P13188-B21)

HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter (Part Number: P10112-B21)

HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter (Part Number: P21927-B21)

HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter (Part Number: P06154-B21)

HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter (Part Number: P06250-B21)

HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter (Part Number: P06251-B21)

HPE InfiniBand HDR/Ethernet 200Gb 1-port MCX653105A-HDAT QSFP56 x16 Adapter (Part Number: P23664-B21)

HPE InfiniBand HDR100/Ethernet 100Gb 1-port MCX653105A-ECAT QSFP56 x16 Adapter (Part Number: P23665-B21)

HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter (Part Number: P23666-B21)

HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter (Part Number: P25960-B21)

HPE Ethernet 200Gb 1-port QSFP56 MCX623105AS-VDAT Adapter (Part Number: P10180-B21)

Supported Devices and Features

HPE Part Number	Device Name	PSID
764282-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+M Adapter	HP_1350110023
764283-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+M Adapter	HP_1360110017
764284-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+QSFP Adapter	HP_1370110017
P24837-B21	HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter	HPE0000000054
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HP_1200111023
764285-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+FLR-QSFP Adapter	HP_1380110017
764286-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+FLR-QSFP Adapter	HP_1390110023
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
868779-B21	HPE Synergy 6410C 25/50Gb Ethernet Adapter	HPE0000000006
779793-B21	HPE Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HPE Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P21927-B21	HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter	MT_0000000417
P10112-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	MT_0000000241

P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416
P11341-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter	MT_0000000238
P21930-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter	MT_0000000414
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P10180-B21	HPE Ethernet 200Gb 1-port QSFP56 MCX623105AS-VDAT Adapter	MT_0000000435
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P23664-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port MCX653105A-HDAT QSFP56 x16 Adapter	MT_0000000451
P23665-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port MCX653105A-ECAT QSFP56 x16 Adapter	MT_0000000452
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453

net-mst kernel module driver component for VMware ESXi 7.0

Version: 2020.05.20 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the HPE vib depot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

Prerequisites

NA

Fixes

NMST version 4.14.3.3

Supported Devices and Features

HPE Part Number	Device Name	PSID
764282-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+M Adapter	HP_1350110023
764283-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+M Adapter	HP_1360110017
764284-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+QSFP Adapter	HP_1370110017
P24837-B21	HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter	HPE0000000054
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HP_1200111023
764285-B21	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+FLR-QSFP Adapter	HP_1380110017

764286-B21	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+FLR-QSFP Adapter	HP_1390110023
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
868779-B21	HPE Synergy 6410C 25/50Gb Ethernet Adapter	HPE0000000006
779793-B21	HPE Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HPE Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P21927-B21	HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter	MT_0000000417
P10112-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	MT_0000000241
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416
P11341-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter	MT_0000000238
P21930-B21	HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter	MT_0000000414
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P10180-B21	HPE Ethernet 200Gb 1-port QSFP56 MCX623105AS-VDAT Adapter	MT_0000000435
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P23664-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port MCX653105A-HDAT QSFP56 x16 Adapter	MT_0000000451
P23665-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port MCX653105A-ECAT QSFP56 x16 Adapter	MT_0000000452
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453

nmlx5_en Driver Component for VMware 6.5

Version: 2020.03.09 (Recommended)

Important Note!

Known Issues in version 4.16.70.1:

The maximum number of established active RDMA connections (QPs) is currently 5000.

Setting ETS value to 0 may cause WQE timeout.

ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.

ECN statistic counters accumulatorsPeriod and ecnMarkedRoce-Packets display wrong values and cannot

be cleared.

The hardware can offload only up to 256 Bytes of headers.

The "esxcli network sriovnic vf stats" command is not supported.

Traffic cannot be sent between PV and SR-IOV VF connected to different ports on the same HCA.

Setting the "Allow Guest MTU Change" option in vSphere Client is currently not functional. Although guest MTU changes in SR-IOV are allowed, they do not affect the port's MTU and the guest's MTU remains the same as the PF MTU.

Geneve options length support is limited to 56 Bytes. Received packets with options length bigger than 56 Bytes are dropped.

Interaction with ConnectX-4/ConnectX-4 Lx older firmware versions might result in the following internal firmware errors:

Device health compromised

synd 0x1: firmware internal error

extSync 0x94ee

The 'esxcli mellanox uplink link info -u <vmnic_name>' command reports the 'Auto negotiation' capability always as 'true'.

Wake-on-LAN does not notify when invalid parameters are provided.

Nested ESXi might not function properly.

Device RSS fails to hash traffic to sufficient RX rings with Broadcast traffic.

In stress condition 'Watchdog' may appear leading to link going up and down.

VGT traffic over VXLAN interfaces is currently not supported.

SMP MADs (ibnetdiscover, sminfo, iblinkinfo, smpdump, ibqueryerr, ibdiagnet and smpquery) are not supported on the VFs.

Although the max_vfs module parameter range is "0-128", due to firmware limitations, the following are the supported VFs per single port:

ConnectX-4: up to 127

ConnectX-5: up to 63

Fixes

The following issues have been fixed in version in 4.16.70.1:

The "esxcli network sriovnic vf stats" command was not supported. When running this command on a vmknic, a failure message was displayed.

Enhancements

Changes and New Features in smart component version 2020.03.09:

Added support for the following adapters:

HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter (HPE Part Number: P24837-B21)

HPE Ethernet 10Gb 2-port 548SFP+ (HPE Part Number: P11338-B21)

New features and changes in version 4.16.70.1:

An event will be sent to notify the administrator if the power required by the network adapter is higher than that available on the PCIe slot.

Support for trusting Differentiated Services Code Point (DSCP) and setting default value for RoCE traffic.

A new counter that enables the user to query per Virtual Function counters.
 RX out-of-buffer counter to indicate any lack of software receive buffers.
 Module parameter to enforce specific RoCE version.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
868779-B21	HPE Synergy 6410C 25/50Gb Ethernet Adapter	HPE0000000006
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HP_1200111023
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P10109-B21	HPE Eth 10 / 25Gb 2P 641SFP28 Adapter	HPE0000000039
P24837-B21	HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter	HPE0000000054
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

nmlx5_en Driver Component for VMware 6.7

Version: 2020.03.09 (Recommended)

Important Note!

Known Issues in version 4.17.70.1:

ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.

SRI-OV is not supported while ENS is enabled.

The maximum number of established active RDMA connections (QPs) is currently 5000.

Enhanced Network Stack(ENS) is currently not supported in ConnectX-6 Dx adapter cards.

Setting ETS value to 0 may cause WQE timeout.

A PSOD may occur during vMotion over ENS VMK.

During ENS uplink detachment from the ENS DVS, the below error message regarding the queue still being allocated or that the requested queue is not in use may appear.

Live unload of the driver is not supported. Doing so may cause a PSOD if the max_vfs parameter is set.

ECN statistic counters accumulatorsPeriod and ecnMarkedRoce-Packets display wrong values and cannot be cleared.

The maximum value of RSS must be lower than the number of CPU cores.

The hardware can offload only up to 256B of headers.

The "esxcli network sriovnic vf stats" command is not supported. When running this command on a vmknic, a failure message is displayed.

There is no traffic between PV and SR-IOV VF connected to different ports on the same HCA.

Setting the "Allow Guest MTU Change" option in vSphere Client is currently not functional. Although guest MTU changes in SR-IOV are allowed, they do not affect the port's MTU and the guest's MTU remains the same as the PF MTU.

When a guest is assigned an IB PCI passthru device or an IB VF, VMware Tools networking information for the guest may be incorrect. This affects how the guest networking information, such as interfaces and their IPs, is displayed in vCenter.

Operations on vmnics which are in passthru mode are not supported.

The 'esxcli mellanox uplink link info -u <vmnic_name>' command reports the 'Auto negotiation' capability always as 'true'.

SMP MADs (ibnetdiscover, sminfo, iblinkinfo, smpdump, ibqueryerr, ibdiagnet and smpquery) are not supported on the VFs.

Wake-on-LAN does not notify when invalid parameters are provided.

Nested ESXi might not function properly.

Device RSS fails to hash traffic to sufficient RX rings with Broadcast traffic.

In stress condition 'Watchdog' may appear, leading to uplink going up and down.

During ENS uplink detachment from the ENS DVS, the below error message regarding the queue still being allocated or that the requested queue is not in use may appear. "Driver covers for OS issue and the messages are for information only."

Although the max_vfs module parameter range is "0-128", due to firmware limitations, the following are the supported VFs per single port devices:

ConnectX-4: up to 127

ConnectX-5: up to 127

For further information on the release notes for ESXi 6.7 Driver Version 4.17.70.1 follow the below link:
https://www.mellanox.com/page/products_dyn?product_family=29&mtag=vmware_driver

Fixes

The following issues have been fixed in version in 4.17.70.1:

The "esxcli network sriovnic vf stats" command was not supported. When running this command on a "vmknic", a failure message was displayed.

IPv6 as inner packet was not supported.

Enhancements

Changes and New Features in smart component version 2020.03.09:

Added support for the following adapters:

HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter (HPE Part Number: P24837-B21)

HPE Ethernet 10Gb 2-port 548SFP+ Adapter (HPE Part Number: P11338-B21)

New features and changes in version 4.17.70.1:

Disabled the option of shutting down the link due to power limitation.

Support for trusting Differentiated Services Code Point (DSCP) and setting default value for RoCE traffic.

New counter that enables the user to query per Virtual Function counters.

RX out-of-buffer counter to indicate any lack of software receive buffers.

Module parameter to enforce specific RoCE version.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
868779-B21	HPE Synergy 6410C 25/50Gb Ethernet Adapter	HPE0000000006
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HP_1200111023
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P24837-B21	HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter	HPE0000000054
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

nmlx5_en Driver Component for VMware 7.0

Version: 2020.05.26 (Recommended)

Important Note!

Known Issues in version 4.19.70.1:

SR-IOV is not supported while ENS is enabled.

Live unload of the driver is not supported. Doing so may cause a PSOD if the max_vfs parameter is set.

The maximum number of established active RDMA connections (QPs) is currently 5000.

ENS is currently not supported in ConnectX-6 Dx adapter cards.

Workaround: Use non ENS DVS for ConnectX-6 Dx cards.

Setting ETS value to 0 may cause WQE timeout.

Workaround: Set ETS value of 1 instead of 0.

The 'esxcli mellanox uplink link info -u <vmnic_name>' command reports the 'Auto negotiation' capability always as 'true'.

SMP MADs (ibnetdiscover, sminfo, iblinkinfo, smpdump, ibqueryerr, ibdiagnet and smpquery) are not supported on the VFs.

Although the max_vfs module parameter range is "0-128", due to firmware limitations, the following are

the supported VFs per single port devices:

ConnectX-4 / ConnectX-5: up to 127

Fixes

No fixes are included in version 4.19.70.1:

Enhancements

No Changes and New Features are included in smart component version 2020.05.26:

New features and changes in version 4.19.70.1:

Disabled the option of shutting down the link due to power limitation.

Support for trusting Differentiated Services Code Point (DSCP) and setting default value for RoCE traffic.

New counter that enables the user to query per Virtual Function counters.

RX out-of-buffer counter to indicate any lack of software receive buffers.

support for Data Center Bridging Capability Exchange (DCBX) protocol. DCBX works with LLDP to allow switches to exchange information about their Data Center Bridging (DCB) capabilities and configuration and automatically

negotiate common Priority-Based Flow Control (PFC) parameters.

Module parameter to enforce specific RoCE version.

Support for setting the minimal bandwidth guarantee for traffic classes (TCs).

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
868779-B21	HPE Synergy 6410C 25/50Gb Ethernet Adapter	HPE0000000006
P11338-B21	HPE Ethernet 10Gb 2-port 548SFP+ Adapter	HP_1200111023
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P24837-B21	HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter	HPE0000000054
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)

Version: 1.2.14-016 (Recommended)

Enhancements

Smartpqi driver 1.2.14-016 now supports Red Hat Enterprise Linux 7.7 and 8.2 and it is recommended for used with HPE Gen10 Smart Array controllers FW 3.0

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux7 (64-bit) supported by this binary rpm are:

3.10.0-957.el7- Red Hat Enterprise Linux 7 Update 6 (64-bit) and future errata kernels for update 6.

Version: 1.2.14-016 (Recommended)

Enhancements

Smartpqi driver 1.2.14-016 now supports Red Hat Enterprise Linux 7.7 and 8.2 and it is recommended for used with HPE Gen10 Smart Array controllers FW 3.0

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux8 (64-bit) supported by this binary rpm are:

HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019

Version: 106.178.0.1009 (Recommended)

Enhancements

Smartpqi driver 106.178.0.1009 supports the latest versions of Microsoft Windows OS environments and it is recommended for used with HPE Gen10 Smart Array controllers FW 3.0

HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2012R2/2016

Version: 12.6.165.0 (b) (Recommended)

Important Note!

Release Notes:

HPE Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

Go to <http://www.hpe.com/support/manuals>

Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

Fixed the following:

Hyper-V Virtual Machines (VMs) could not access storage arrays if those Virtual Machine (VM) had been shut down and restarted over 512 times.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following:

Hyper-V Virtual Machines (VMs) could not access storage arrays if those Virtual Machine (VM) had been shut down and restarted over 512 times.

Enhancements

Updated to driver version 12.6.165.0

Removed the raw driver file folder. The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:

```
elxdrv-fc-version.exe /q2 extract=2
```

The extracted files are located:

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version

Each kit folder has subsequent architecture folders with subsequent OS folders. For example,

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

HPE 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE 84E 8Gb Quad Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E Quad Port 16Gb Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019

Version: 12.6.165.0 (b) (Recommended)

Important Note!

Release Notes:

HPE Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

Go to <http://www.hpe.com/support/manuals>

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Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

Fixed the following:

Hyper-V Virtual Machines (VMs) could not access storage arrays if those Virtual Machine (VM) had been shut down and restarted over 512 times.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following:

Hyper-V Virtual Machines (VMs) could not access storage arrays if those Virtual Machine (VM) had been shut down and restarted over 512 times.

Enhancements

Updated to driver version 12.6.165.0

Removed the raw driver file folder. The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:

```
elxdrv-fc-version.exe /q2 extract=2
```

The extracted files are located:

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version

Each kit folder has subsequent architecture folders with subsequent OS folders. For example,

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

HPE 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE 84E 8Gb Quad Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E Quad Port 16Gb Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter

HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2012

R2

Version: 9.4.1.20 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

Fixed the following:

Memory dumps were not generated during a crash dump in a boot from SAN environment

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following:

Memory dumps were not generated during a crash dump in a boot from SAN environment

Enhancements

Updated to version 9.4.1.20

Supported Devices and Features

This driver supports the following HPE adapters:

HPE SN1000Q 16Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1000Q 16Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016

Version: 9.4.1.20 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

Fixed the following:

Memory dumps were not generated during a crash dump in a boot from SAN environment

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following:

Memory dumps were not generated during a crash dump in a boot from SAN environment

Enhancements

Updated to version 9.4.1.20

Supported Devices and Features

This driver supports the following HPE adapters:

HPE SN1000Q 16Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1000Q 16Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019

Version: 9.4.1.20 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

Fixed the following:

Memory dumps were not generated during a crash dump in a boot from SAN environment

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following:

Memory dumps were not generated during a crash dump in a boot from SAN environment

Enhancements

Updated to version 9.4.1.20

Supported Devices and Features

This driver supports the following HPE adapters:

HPE SN1000Q 16Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1000Q 16Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

Version: 12.6.275.14 (Recommended)

Important Note!

Release Notes:

HPE Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) host bus adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

Go to <http://www.hpe.com/support/manuals>

Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

Fixed the following:

Input / Output (I/O) non- working messages would be observed if 3PAR Persistent checksum is disabled on an array while the host is still running.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Beginning with software release 11.2, Fibre Channel (LightPulse) host bus adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

Go to <http://www.hpe.com/support/manuals>

Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for Fibre Channel Host bus adapters and Converge Network Adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

Fixes

Fixed the following:

Input / Output (I/O) non- working messages would be observed if 3PAR Persistent checksum is disabled on an array while the host is still running.

Enhancements

Updated to driver version 12.6.275.14

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

HPE 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE 84E 8Gb Quad Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E Quad Port 16Gb Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

Version: 10.01.00.64.07.6-k1a (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

Note: The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

Fixed the following:

Hosts booting from 3PAR arrays could unexpectedly reboot during 3PAR array node controller reboots with driver 10.01.00.57.xx.xx

Improved adapter driver handling of and recovery from the unexpected behavior described in Customer Advisory titled: "HPE ProLiant, Synergy and Superdome Flex Host Bus Adapters (HBA) - Certain Fibre Channel HBA Firmware May Cause the Operating System to Halt and Potentially Compromise Filesystem Data Integrity" at the following link:

https://support.hpe.com/hpesc/public/docDisplay docLocale=en_US&docId=a00094722en_us

Added support for the following:

Allow ql2xextended_error_logging special value 1 to be set anytime.

Port statistics collection improved to increase driver performance

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following:

Hosts booting from 3PAR arrays could unexpectedly reboot during 3PAR array node controller reboots with driver 10.01.00.57.xx.xx

Improved adapter driver handling of and recovery from the unexpected behavior described in Customer Advisory titled: "HPE ProLiant, Synergy and Superdome Flex Host Bus Adapters (HBA) - Certain Fibre Channel HBA Firmware May Cause the Operating System to Halt and Potentially Compromise Filesystem Data Integrity" at the following link:

https://support.hpe.com/hpesc/public/docDisplay docLocale=en_US&docId=a00094722en_us

Enhancements

Added support for the following:

Allow ql2xextended_error_logging special value 1 to be set anytime.

Port statistics collection improved to increase driver performance

Supported Devices and Features

This driver supports the following HPE adapters:

HPE SN1000Q 16Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1000Q 16Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

Version: 10.01.00.64.08.0-k1 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

Note: The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

Fixed the following:

Hosts booting from 3PAR arrays could unexpectedly reboot during 3PAR array node controller reboots with driver 10.01.00.57.xx.xx

Improved adapter driver handling of and recovery from the unexpected behavior described in Customer Advisory titled: "HPE ProLiant, Synergy and Superdome Flex Host Bus Adapters (HBA) - Certain Fibre Channel HBA Firmware May Cause the Operating System to Halt and Potentially Compromise Filesystem Data Integrity" at the following link:

https://support.hpe.com/hpesc/public/docDisplay docLocale=en_US&docId=a00094722en_us

Added support for the following:

Allow ql2xextended_error_logging special value 1 to be set anytime.

Port statistics collection improved to increase driver performance

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following:

Hosts booting from 3PAR arrays could unexpectedly reboot during 3PAR array node controller reboots with driver 10.01.00.57.xx.xx

Improved adapter driver handling of and recovery from the unexpected behavior described in Customer Advisory titled: "HPE ProLiant, Synergy and Superdome Flex Host Bus Adapters (HBA) - Certain Fibre Channel HBA Firmware May Cause the Operating System to Halt and Potentially Compromise Filesystem Data Integrity" at the following link:

https://support.hpe.com/hpesc/public/docDisplay docLocale=en_US&docId=a00094722en_us

Enhancements

Added support for the following:

Allow ql2xextended_error_logging special value 1 to be set anytime.

Port statistics collection improved to increase driver performance

Supported Devices and Features

This driver supports the following HPE adapters:

HPE SN1000Q 16Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE SN1000Q 16Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
Version: 12.6.275.14 (Recommended)

Important Note!

Release Notes:

HPE Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) host bus adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

Go to <http://www.hpe.com/support/manuals>

Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

Fixed the following:

Input / Output (I/O) non- working messages would be observed if 3PAR Persistent checksum is disabled on an array while the host is still running.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

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Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new

11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

Fixes

Fixed the following:

Input / Output (I/O) non- working messages would be observed if 3PAR Persistent checksum is disabled on an array while the host is still running.

Enhancements

Updated to driver version 12.6.275.14

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

HPE 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE 84E 8Gb Quad Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter

HPE SN1100E Quad Port 16Gb Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter

HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

iLO 5 Channel Interface Driver for Windows Server 2016 and Server 2019

Version: 4.6.0.0 (C) (Optional)

Enhancements

TBD

Language Pack - Japanese

Version: 2.30 (Recommended)

Fixes

Various translation fixes.

Enhancements

Japanese Language Pack to support iLO5 firmware v2.30

Language Pack - Japanese

Version: 2.30 (Recommended)

Prerequisites

Requires iLO 5 firmware version 1.10 or higher

Fixes

Various translation fixes.

Enhancements

Japanese Language Pack to support iLO5 firmware v2.30

Online ROM Flash Component for Linux - iLO 5

Version: 1.40 (Recommended)

Enhancements

List your enhancements here.

Online ROM Flash Component for Linux - iLO 5

Version: 2.30 (Recommended)

Fixes

Ripple20 vulnerabilities might affect the TCP/IP stack.

Synergy compute modules do not power up after One-button secure erase completes.

SPS firmware updates initiated through the iLO Firmware & OS Software pages might fail.

C-Class blades do not complete FRU discovery.

During central connect Remote Support registration, an error message is not displayed when a required field is blank.

Zero Sign In login fails when Kerberos authentication is configured for a large number of groups.

When iLO is set to the factory default settings on a fully populated NVDIMM configuration, iLO may lose CHIF communication.

DCi compliant Network Adapters under un-managed network configuration, reset to defaults on cold boot.

Enhancements

MCTP now addresses the iLO false alarm "device/adapter not responsive" issue.

Shutdown by virtual button press is included in the iLO enhanced reset cause.

Support for initiating the One-button secure erase process from the iLO web interface Lifecycle Management - Decommission page.

User account roles provide predefined privilege sets or allow you to define a custom set.

New HTML5 remote console modes: Standalone mode and New Window mode.

Virtual power button to power NVMe drives on and off. You can access this feature from the Physical Drive Details pane on the Storage Information page.

Configuration of Minimum Fan speed using iLO interfaces.

Users can view and modify the System thermal configuration settings using iLO interfaces..

PLDM firmware update support for NIC and storage option cards.

New REST alerts for Auto Heal and Safe Mode.
Enabled the iLO webserver to identify the source of request as Host over Virtual NIC.
Read support for RDE-enabled devices.
Support for flashing Universal FWPKG 2.0 images.
Power reading support for Edgeline 8000 systems.
Drive Indicator LED - 'Lit' and 'Off' state support for U.2/UBM1/UBM3 with NVMe direct attached storage.
When iLO is set to the factory default settings, Virtual NIC is disabled by default.
User can now configure iLO to avoid access over an HTTP connection

Online ROM Flash Component for Linux - iLO 5

Version: 2.30 (Recommended)

Fixes

Ripple20 vulnerabilities might affect the TCP/IP stack.
Synergy compute modules do not power up after One-button secure erase completes.
SPS firmware updates initiated through the iLO Firmware & OS Software pages might fail.
C-Class blades do not complete FRU discovery.
During central connect Remote Support registration, an error message is not displayed when a required field is blank.
Zero Sign In login fails when Kerberos authentication is configured for a large number of groups.
When iLO is set to the factory default settings on a fully populated NVDIMM configuration, iLO may lose CHIF communication.
DCi compliant Network Adapters under un-managed network configuration, reset to defaults on cold boot.

Enhancements

MCTP now addresses the iLO false alarm "device/adaptor not responsive" issue.
Shutdown by virtual button press is included in the iLO enhanced reset cause.
Support for initiating the One-button secure erase process from the iLO web interface Lifecycle Management - Decommission page.
User account roles provide predefined privilege sets or allow you to define a custom set.
New HTML5 remote console modes: Standalone mode and New Window mode.
Virtual power button to power NVMe drives on and off. You can access this feature from the Physical Drive Details pane on the Storage Information page.
Configuration of Minimum Fan speed using iLO interfaces.
Users can view and modify the System thermal configuration settings using iLO interfaces..
PLDM firmware update support for NIC and storage option cards.
New REST alerts for Auto Heal and Safe Mode.
Enabled the iLO webserver to identify the source of request as Host over Virtual NIC.
Read support for RDE-enabled devices.
Support for flashing Universal FWPKG 2.0 images.
Power reading support for Edgeline 8000 systems.

Drive Indicator LED - 'Lit' and 'Off' state support for U.2/UBM1/UBM3 with NVMe direct attached storage.
When iLO is set to the factory default settings, Virtual NIC is disabled by default.
User can now configure iLO to avoid access over an HTTP connection

Online ROM Flash Component for Windows x64 - iLO 5

Version: 1.40 (Recommended)

Enhancements

List your enhancements here.

Online ROM Flash Component for Windows x64 - iLO 5

Version: 2.30 (Recommended)

Fixes

Ripple20 vulnerabilities might affect the TCP/IP stack.
Synergy compute modules do not power up after One-button secure erase completes.
SPS firmware updates initiated through the iLO Firmware & OS Software pages might fail.
C-Class blades do not complete FRU discovery.
During central connect Remote Support registration, an error message is not displayed when a required field is blank.
Zero Sign In login fails when Kerberos authentication is configured for a large number of groups.
When iLO is set to the factory default settings on a fully populated NVDIMM configuration, iLO may lose CHIF communication.
DCi compliant Network Adapters under un-managed network configuration, reset to defaults on cold boot.

Enhancements

MCTP now addresses the iLO false alarm "device/adapter not responsive" issue.
Shutdown by virtual button press is included in the iLO enhanced reset cause.
Support for initiating the One-button secure erase process from the iLO web interface Lifecycle Management - Decommission page.
User account roles provide predefined privilege sets or allow you to define a custom set.
New HTML5 remote console modes: Standalone mode and New Window mode.
Virtual power button to power NVMe drives on and off. You can access this feature from the Physical Drive Details pane on the Storage Information page.
Configuration of Minimum Fan speed using iLO interfaces.
Users can view and modify the System thermal configuration settings using iLO interfaces..
PLDM firmware update support for NIC and storage option cards.
New REST alerts for Auto Heal and Safe Mode.
Enabled the iLO webserver to identify the source of request as Host over Virtual NIC.
Read support for RDE-enabled devices.
Support for flashing Universal FWPKG 2.0 images.

Power reading support for Edgeline 8000 systems.

Drive Indicator LED - 'Lit' and 'Off' state support for U.2/UBM1/UBM3 with NVMe direct attached storage.

When iLO is set to the factory default settings, Virtual NIC is disabled by default.

User can now configure iLO to avoid access over an HTTP connection

Online ROM Flash Component for Windows x64 - iLO 5

Version: 2.30 (Recommended)

Fixes

Ripple20 vulnerabilities might affect the TCP/IP stack.

Synergy compute modules do not power up after One-button secure erase completes.

SPS firmware updates initiated through the iLO Firmware & OS Software pages might fail.

C-Class blades do not complete FRU discovery.

During central connect Remote Support registration, an error message is not displayed when a required field is blank.

Zero Sign In login fails when Kerberos authentication is configured for a large number of groups.

When iLO is set to the factory default settings on a fully populated NVDIMM configuration, iLO may lose CHIF communication.

DCi compliant Network Adapters under un-managed network configuration, reset to defaults on cold boot.

Enhancements

MCTP now addresses the iLO false alarm "device/adaptor not responsive" issue.

Shutdown by virtual button press is included in the iLO enhanced reset cause.

Support for initiating the One-button secure erase process from the iLO web interface Lifecycle Management - Decommission page.

User account roles provide predefined privilege sets or allow you to define a custom set.

New HTML5 remote console modes: Standalone mode and New Window mode.

Virtual power button to power NVMe drives on and off. You can access this feature from the Physical Drive Details pane on the Storage Information page.

Configuration of Minimum Fan speed using iLO interfaces.

Users can view and modify the System thermal configuration settings using iLO interfaces..

PLDM firmware update support for NIC and storage option cards.

New REST alerts for Auto Heal and Safe Mode.

Enabled the iLO webserver to identify the source of request as Host over Virtual NIC.

Read support for RDE-enabled devices.

Support for flashing Universal FWPKG 2.0 images.

Power reading support for Edgeline 8000 systems.

Drive Indicator LED - 'Lit' and 'Off' state support for U.2/UBM1/UBM3 with NVMe direct attached storage.

When iLO is set to the factory default settings, Virtual NIC is disabled by default.

User can now configure iLO to avoid access over an HTTP connection

Online ROM Flash Firmware Package - iLO 5

Version: 1.40 (Recommended)

Enhancements

List your enhancements here.

Online ROM Flash Firmware Package - iLO 5

Version: 2.30 (Recommended)

Fixes

Ripple20 vulnerabilities might affect the TCP/IP stack.

Synergy compute modules do not power up after One-button secure erase completes.

SPS firmware updates initiated through the iLO Firmware & OS Software pages might fail.

C-Class blades do not complete FRU discovery.

During central connect Remote Support registration, an error message is not displayed when a required field is blank.

Zero Sign In login fails when Kerberos authentication is configured for a large number of groups.

When iLO is set to the factory default settings on a fully populated NVDIMM configuration, iLO may lose CHIF communication.

DCi compliant Network Adapters under un-managed network configuration, reset to defaults on cold boot.

Enhancements

MCTP now addresses the iLO false alarm "device/adapter not responsive" issue.

Shutdown by virtual button press is included in the iLO enhanced reset cause.

Support for initiating the One-button secure erase process from the iLO web interface Lifecycle Management - Decommission page.

User account roles provide predefined privilege sets or allow you to define a custom set.

New HTML5 remote console modes: Standalone mode and New Window mode.

Virtual power button to power NVMe drives on and off. You can access this feature from the Physical Drive Details pane on the Storage Information page.

Configuration of Minimum Fan speed using iLO interfaces.

Users can view and modify the System thermal configuration settings using iLO interfaces..

PLDM firmware update support for NIC and storage option cards.

New REST alerts for Auto Heal and Safe Mode.

Enabled the iLO webserver to identify the source of request as Host over Virtual NIC.

Read support for RDE-enabled devices.

Support for flashing Universal FWPKG 2.0 images.

Power reading support for Edgeline 8000 systems.

Drive Indicator LED - 'Lit' and 'Off' state support for U.2/UBM1/UBM3 with NVMe direct attached storage.

When iLO is set to the factory default settings, Virtual NIC is disabled by default.

User can now configure iLO to avoid access over an HTTP connection

Online ROM Flash Firmware Package - iLO 5

Version: 2.30 (Recommended)

Fixes

Ripple20 vulnerabilities might affect the TCP/IP stack.

Synergy compute modules do not power up after One-button secure erase completes.

SPS firmware updates initiated through the iLO Firmware & OS Software pages might fail.

C-Class blades do not complete FRU discovery.

During central connect Remote Support registration, an error message is not displayed when a required field is blank.

Zero Sign In login fails when Kerberos authentication is configured for a large number of groups.

When iLO is set to the factory default settings on a fully populated NVDIMM configuration, iLO may lose CHIF communication.

DCi compliant Network Adapters under un-managed network configuration, reset to defaults on cold boot.

Enhancements

MCTP now addresses the iLO false alarm "device/adapter not responsive" issue.

Shutdown by virtual button press is included in the iLO enhanced reset cause.

Support for initiating the One-button secure erase process from the iLO web interface Lifecycle Management - Decommission page.

User account roles provide predefined privilege sets or allow you to define a custom set.

New HTML5 remote console modes: Standalone mode and New Window mode.

Virtual power button to power NVMe drives on and off. You can access this feature from the Physical Drive Details pane on the Storage Information page.

Configuration of Minimum Fan speed using iLO interfaces.

Users can view and modify the System thermal configuration settings using iLO interfaces..

PLDM firmware update support for NIC and storage option cards.

New REST alerts for Auto Heal and Safe Mode.

Enabled the iLO webserver to identify the source of request as Host over Virtual NIC.

Read support for RDE-enabled devices.

Support for flashing Universal FWPKG 2.0 images.

Power reading support for Edgeline 8000 systems.

Drive Indicator LED - 'Lit' and 'Off' state support for U.2/UBM1/UBM3 with NVMe direct attached storage.

When iLO is set to the factory default settings, Virtual NIC is disabled by default.

User can now configure iLO to avoid access over an HTTP connection

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64

Version: 1.9.3 (Optional)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Drivers for Linux, versions 1.10.1-216.0.169.4 or later,

for use with this firmware.

Prerequisites

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

Fixes

This product corrects wrong names of adapters which show up while doing firmware update.

This product corrects an issue about 2 ports in a port bond both being disconnected if we were just disconnecting 1 port.

This product corrects an issue about LLDP nearest bridge packet not being disabled while that option under NIC HII was disabled.

This product corrects the wrong LED behavior while attaching SFP-RJ45 transceiver.

This product corrects an issue about firmware not being actually updated even seeing it was reported as successfully by update utility.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware

Version: 5.11.6 (Optional)

Important Note!

HPE recommends HPE Broadcom NetXtreme-E Drivers for VMware, versions 2020.09.14 or later, for use with this firmware.

This software package contains NVM Image version 216.0.333011 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	CCM Version	RoCE Version
HPE Ethernet 10Gb 2-port 535FLR-T Adapter	214.4.91.1	214.4.42.1	214.0.241.	214.0.305.	216.0.52.1	214.0.194.
HPE Ethernet 10Gb 2-port 535T Adapter			0	0		0
HPE Ethernet 10/25Gb						

2-port 631FLR-SFP28 Adapter HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter HPE Ethernet 10Gb 2-port 537SFP+ Adapter HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter						
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Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects wrong names of adapters which show up while doing firmware update.

This product corrects an issue about 2 ports in a port bond both being disconnected if we were just disconnecting 1 port.

This product corrects an issue about LLDP nearest bridge packet not being disabled while that option under NIC HII was disabled.

This product corrects the wrong LED behavior while attaching SFP-RJ45 transceiver.

This product corrects an issue about firmware not being actually updated even seeing it was reported as successfully by update utility.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.2.3.0 (Optional)

Important Note!

HPE recommends HPE Broadcom NetXtreme-E Driver for Windows, versions 216.0.143.3 or later, for use with this firmware.

This software package contains NVM Image version 216.0.333011 with the following firmware versions:

NIC	Bootcode Version	NCSI Version	MBA Version	UEFI Version	CCM Version	RoCE Version
HPE Ethernet 10Gb 2-port	214.4.91.1	214.4.42.1	214.0.241.	214.0.305.	216.0.52.1	214.0.194.

535FLR-T Adapter			0	0		0
HPE Ethernet 10Gb 2-port						
535T Adapter						
HPE Ethernet 10/25Gb						
2-port 631FLR-SFP28						
Adapter						
HPE Ethernet 10/25Gb						
2-port 631SFP28 Adapter						
HPE Ethernet 10Gb 2-port						
537SFP+ Adapter						
HPE Ethernet 10Gb 2-port						
537SFP+ FLR Adapter						

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects wrong names of adapters which show up while doing firmware update.

This product corrects an issue about 2 ports in a port bond both being disconnected if we were just disconnecting 1 port.

This product corrects an issue about LLDP nearest bridge packet not being disabled while that option under NIC HII was disabled.

This product corrects the wrong LED behavior while attaching SFP-RJ45 transceiver.

This product corrects an issue about firmware not being actually updated even seeing it was reported as successfully by update utility.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 535FLR-T Adapter

HPE Ethernet 10Gb 2-port 535T Adapter

HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

HPE Ethernet 10Gb 2-port 537SFP+ Adapter

HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.26.1 (Optional)

Important Note!

HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.138b or later, for use with this firmware.

Prerequisites

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

Fixes

This product corrects the wrong spare number while it was originally not the same as what was written on the label of package.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 330i Adapter (22BD)

HPE Ethernet 1Gb 4-port 331i Adapter (22BE)

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

HPE Ethernet 1Gb 2-port 332i Adapter (22E8)

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware

Version: 1.27.5 (Optional)

Important Note!

HPE recommends HP Broadcom tg3 Ethernet Drivers for VMware, versions 2020.09.14, for use with this firmware.

This software package contains combo image v20.16.31 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version	CCM Version
HPE Ethernet 1Gb 2-port 330i Adapter (22BD)	2.1	21.6.0	1.5.18	21.6.5	216.0.49.0
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.46	21.6.0	1.5.18	21.6.5	216.0.49.0
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.4	21.6.0	1.5.18	21.6.5	216.0.49.0

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects the wrong spare number while it was originally not the same as what was written on the label of package.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 330i Adapter (22BD)

HPE Ethernet 1Gb 4-port 331i Adapter (22BE)

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

HPE Ethernet 1Gb 2-port 332i Adapter (22E8)

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.2.3.0 (Optional)

Important Note!

HPE recommends HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 214.0.0.3 or later, for use with this firmware.

This software package contains combo image v20.16.31 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version	CCM Version
HPE Ethernet 1Gb 2-port 330i Adapter (22BD)	2.1	21.6.0	1.5.18	21.6.5	216.0.49.0
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.46	21.6.0	1.5.18	21.6.5	216.0.49.0
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.4	21.6.0	1.5.18	21.6.5	216.0.49.0

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects the wrong spare number while it was originally not the same as what was written on the label of package.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 330i Adapter (22BD)

HPE Ethernet 1Gb 4-port 331i Adapter (22BE)

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

HPE Ethernet 1Gb 2-port 332i Adapter (22E8)

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Intel Online Firmware Upgrade Utility for Linux x86_64

Version: 1.20.10 (Optional)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

HPE Intel igb Drivers for Linux, versions 6.3.1 or later

HPE Intel ixgbe Drivers for Linux , versions 5.7.1 or later

HPE Intel i40e Drivers for Linux, versions 2.11.27 or later

Prerequisites

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

Fixes

This product addresses an issue where ECC error occurs when running failed recovery with HPE Ethernet 10Gb 2-port 562T Adapter and HPE Ethernet 10Gb 2-port 562FLR-T Adapter.

Supported Devices and Features

This package supports the following network adapters:

HP Ethernet 1Gb 4-port 366T Adapter

HP Ethernet 1Gb 4-port 366FLR Adapter

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter

HP Ethernet 1Gb 2-port 361T Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter
 HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
 HPE Ethernet 10Gb 2-port 560SFP+ Adapter
 HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
 HPE Ethernet 10Gb 2-port 568i Adapter
 HPE Ethernet 1Gb 4-port 369i Adapter
 HPE Ethernet 1Gb 4-port 366i Communication Board
 HPE Ethernet 1Gb 2-port 368i Adapter
 HP Ethernet 1Gb 2-port 363i Adapter
 HP Ethernet 1Gb 4-port 366i Adapter
 HP Ethernet 1Gb 2-port 361i Adapter
 HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Intel Online Firmware Upgrade Utility for VMware

Version: 3.13.15 (Optional)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

HPE Intel igbn Drivers for VMware, versions 2020.09.14

HPE Intel ixgben Drivers for VMware, versions 2020.09.14

HPE Intel i40en Drivers for VMware, versions 2020.09.14

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version
HP Ethernet 1Gb 2-port 361i Adapter	8000106F	1.2688.0	N/A
HP Ethernet 1Gb 2-port 361T Adapter	80000F91	1.2688.0	N/A
HP Ethernet 1Gb 2-port 363i Adapter	80000D00	1.2688.0	N/A
HPE Ethernet 1Gb 4-port 366i Communication Board	80000EBF	1.2688.0	N/A
HP Ethernet 1Gb 4-port 366i Adapter	8000105E	1.2688.0	N/A
HP Ethernet 1Gb 4-port 366FLR Adapter	80001060	1.2688.0	N/A
HP Ethernet 1Gb 4-port 366T Adapter	8000105F	1.2688.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80002192	1.2688.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	8000218B	1.2688.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	8000218F	1.2688.0	N/A
HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter	80000838	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 560SFP+ Adapter	80000835	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80002190	1.2688.0	N/A

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	8000218B	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	8000218B	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.1375.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	800083C2	1.2688.0	10.53.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800011BD	1.2688.0	10.53.4
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	800083C1	1.2688.0	10.53.7
HPE Ethernet 10Gb 2-port 562T Adapter	8000115A	1.2688.0	10.53.3

The combo image v1.2688.0 includes: Boot Agent: 1GbE - v1.5.88, 10GbE - v2.4.44, 40GbE - v1.1.16 & UEFI Drivers: 1GbE - v9.2.06, 10GbE - v7.6.13, 40GbE - v4.1.20

The combo image v1.1375.0 includes: Boot Agent: 1GbE - v1.5.72, 10GbE - v2.3.46, 40GbE - v1.0.21 & UEFI Drivers: 1GbE - v6.9.13, 10GbE - v5.0.20, 40GbE - v1.5.14

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product addresses an issue where ECC error occurs when running failed recovery with HPE Ethernet 10Gb 2-port 562T Adapter and HPE Ethernet 10Gb 2-port 562FLR-T Adapter.

Enhancements

This product now supports VMware vSphere 7.0.

Supported Devices and Features

This package supports the following network adapters:

- HP Ethernet 1Gb 4-port 366T Adapter
- HP Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- HP Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 560SFP+ Adapter
- HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 568i Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board

HPE Ethernet 1Gb 2-port 368i Adapter
 HP Ethernet 1Gb 2-port 363i Adapter
 HP Ethernet 1Gb 4-port 366i Adapter
 HP Ethernet 1Gb 2-port 361i Adapter
 HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter

HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.2.3.0 (Optional)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

HPE Intel ixn Drivers for Windows, versions 3.14.214.0
 HPE Intel ixS Drivers for Windows, versions 3.14.214.0
 HPE Intel i40ea Drivers for Windows, versions 1.12.171.0
 HPE Intel i40eb Drivers for Windows, versions 1.12.171.0
 HPE Intel vxN Drivers for Windows, versions 1.2.199.0
 HPE Intel vXS Drivers for Windows, versions 1.2.199.0

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version
HP Ethernet 1Gb 2-port 361i Adapter	8000106F	1.2688.0	N/A
HP Ethernet 1Gb 2-port 361T Adapter	80000F91	1.2688.0	N/A
HP Ethernet 1Gb 2-port 363i Adapter	80000D00	1.2688.0	N/A
HPE Ethernet 1Gb 4-port 366i Communication Board	80000EBF	1.2688.0	N/A
HP Ethernet 1Gb 4-port 366i Adapter	8000105E	1.2688.0	N/A
HP Ethernet 1Gb 4-port 366FLR Adapter	80001060	1.2688.0	N/A
HP Ethernet 1Gb 4-port 366T Adapter	8000105F	1.2688.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80002192	1.2688.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	8000218B	1.2688.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	8000218F	1.2688.0	N/A
HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter	80000838	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 560SFP+ Adapter	80000835	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80002190	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	8000218B	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	8000218B	1.2688.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.1375.0	N/A

HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	800083C2	1.2688.0	10.53.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800011BD	1.2688.0	10.53.4
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	800083C1	1.2688.0	10.53.7
HPE Ethernet 10Gb 2-port 562T Adapter	8000115A	1.2688.0	10.53.3

The combo image v1.2688.0 includes: Boot Agent: 1GbE - v1.5.88, 10GbE - v2.4.44, 40GbE - v1.1.16 & UEFI Drivers: 1GbE - v9.2.06, 10GbE - v7.6.13, 40GbE - v4.1.20

The combo image v1.1375.0 includes: Boot Agent: 1GbE - v1.5.72, 10GbE - v2.3.46, 40GbE - v1.0.21 & UEFI Drivers: 1GbE - v6.9.13, 10GbE - v5.0.20, 40GbE - v1.5.14

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product addresses an WOL issue that system wakes up automatically if any magic packet being sent before system was shut down. A corresponding driver setting to enable PME under Windows should be adopted as well.

This product addresses an issue where ECC error occurs when running failed recovery with HPE Ethernet 10Gb 2-port 562T Adapter and HPE Ethernet 10Gb 2-port 562FLR-T Adapter.

Supported Devices and Features

This package supports the following network adapters:

- HP Ethernet 1Gb 4-port 366T Adapter
- HP Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- HP Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 560SFP+ Adapter
- HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 568i Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board
- HPE Ethernet 1Gb 2-port 368i Adapter
- HP Ethernet 1Gb 2-port 363i Adapter
- HP Ethernet 1Gb 4-port 366i Adapter
- HP Ethernet 1Gb 2-port 361i Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for Linux x86_64

Version: 1.9.8 (Optional)

Important Note!

HPE recommends HPE QLogic FastLinQ 10/25/50GbE Drivers for Linux, versions 8.50.25.0-1 or later, for use with the firmware in this product.

Prerequisites

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

Fixes

This product corrects the abnormal disconnection of iLO web page while performing under Shared Networking on Flexible-LOM.

This product addresses an issue where the HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 adapter and HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter UMCE (Uncorrectable Machine Check Exception) was followed by Unrecoverable I/O error, Uncorrectable PCI express error on Server and one of the ports suddenly no longer can send or receive traffic.

This product addresses an issue where driver doesn't load upon booting up by correct memory relocation.

This product addresses an issue where adapter may disappear during POST if the adapter is in heavy traffic during the system boot up.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware

Version: 4.12.12 (Optional)

Important Note!

HPE recommends HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware, versions 2020.09.14 or later, for use with this firmware.

This software package contains combo image version v8.52.12 includes:

Boot Code (MFW): 8.52.9.0

UEFI: 4.1.10.2

PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/SPP to update the firmware on the supported adapters.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects the abnormal disconnection of iLO web page while performing under Shared Networking on Flexible-LOM.

This product addresses an issue where the HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 adapter and HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter UMCE (Uncorrectable Machine Check Exception) was followed by Unrecoverable I/O error, Uncorrectable PCI express error on Server and one of the ports suddenly no longer can send or receive traffic.

This product addresses an issue where driver doesn't load upon booting up by correct memory relocation.

This product addresses an issue where adapter may disappear during POST if the adapter is in heavy traffic during the system boot up.

Enhancements

This product improves the functionality for the MBI firmware update.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.2.3.0 (Optional)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

HPE QLogic FastLinQ 10/25/50GbE Driver for Windows Server x64 Editions, versions 8.50.10.0

This combo image version v8.52.12 includes:

Boot Code (MFW): 8.52.9.0

UEFI: 4.1.10.2

PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/SPP to update the firmware on the supported adapters.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects the abnormal disconnection of iLO web page while performing under Shared Networking on Flexible-LOM.

This product addresses an issue where the HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 adapter and HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter UMCE (Uncorrectable Machine Check Exception) was followed by Unrecoverable I/O error, Uncorrectable PCI express error on Server and one of the ports suddenly no longer can send or receive traffic.

This product addresses an issue where driver doesn't load upon booting up by correct memory relocation.

This product addresses an issue where adapter may disappear during POST if the adapter is in heavy traffic during the system boot up.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 10Gb 2-port 524SFP+ Adapter

HPE Ethernet 10Gb 2-port 521T Adapter

HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter

HPE StoreFabric CN1300R Converged Network Adapter

HPE StoreFabric CN1200R-T Converged Network Adapter

HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.27.8 (Optional)

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for Linux, versions 7.14.70-1 or later, for use with the firmware in this package.

Prerequisites

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

Fixes

This product corrects the display problem of the adapter name under RBSU.

This products corrects some issues about the thermal reporting and temperature threadshold control of the adapter.

This product addresses an issue where unexpected UMCE(Uncorrectable Machine Check Exception) appeared when powering on the system with NPAR(Network Partitioning) enabled.

Supported Devices and Features

This product supports the following network adapters:

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 533FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R-T Converged Network Adapter

HPE QLogic NX2 Online Firmware Upgrade Utility for VMware

Version: 1.27.11 (Optional)

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2020.09.14 or later, for use with this firmware.

This software package contains combo image v7.18.69 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.77	7.14.13	8.7.2	n/a	n/a	7.14.4	7.12.25
HP Ethernet 10Gb 2-port 530T Adapter							
HP Ethernet 10Gb 2-port 533FLR-T Adapter							
HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter	7.15.77	7.14.13	8.7.2	7.14.0	7.14.3	7.14.4	7.12.25
HPE FlexFabric 10Gb 4-port 536FLR-T Adapter							
HP StoreFabric CN1100R Dual Port							

Converged Network Adapter HPE StoreFabric CN1100R-T Converged Network Adapter							
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Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects the display problem of the adapter name under RBSU.

This products corrects some issues about the thermal reporting and temperature threadshold control of the adapter.

This product addresses an error when the MBI firmware update is executed in the secure boot mode.

This product addresses an issue where unexpected UMCE(Uncorrectable Machine Check Exception) appeared when powering on the system with NPAR(Network Partitioning) enabled.

Enhancements

This product improves the functionality for the MBI firmware update.

Supported Devices and Features

This product supports the following network adapters:

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 533FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R-T Converged Network Adapter

HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.2.3.0 (Optional)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

HPE QLogic NX2 10/20GbE Multifunction Drivers for Windows Server x64 Editions, version 7.13.187.0 or later

This software package contains combo image v7.18.69 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
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HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.77	7.14.13	8.7.2	n/a	n/a	7.14.4	7.12.25
HP Ethernet 10Gb 2-port 530T Adapter							
HP Ethernet 10Gb 2-port 533FLR-T Adapter							
HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter							
HPE FlexFabric 10Gb 4-port 536FLR-T Adapter	7.15.77	7.14.13	8.7.2	7.14.0	7.14.3	7.14.4	7.12.25
HP StoreFabric CN1100R Dual Port Converged Network Adapter							
HPE StoreFabric CN1100R-T Converged Network Adapter							

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/SPP to update the firmware on the supported adapters.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Fixes

This product corrects the display problem of the adapter name under RBSU.

This products corrects some issues about the thermal reporting and temperature threadshold control of the adapter.

This product addresses an issue where unexpected UMCE(Uncorrectable Machine Check Exception) appeared when powering on the system with NPAR(Network Partitioning) enabled.

Supported Devices and Features

This product supports the following network adapters:

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HP Ethernet 10Gb 2-port 530T Adapter

HP Ethernet 10Gb 2-port 533FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R-T Converged Network Adapter

Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox Ethernet only adapters

Version: 1.0.8 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Known Issues for FW version 2.42.5044 :

When using the QSFP module RTX320-581, and performing a driver restart for the firmware upgrade/downgrade to take effect, the link does not come up.

Enabling/disabling cq_timestamp using mlxconfig is not supported.

In a card with 2 separate LEDs scheme (a Phy LED and a logic LED) only the Phy LED will lit. Meaning, the orange LED will not be active while the ETH link is in an idle mode.

In SR-IOV setup, using mlxconfig when the PF is passed through to a VM requires a reboot of the Hypervisor.

Downgrade to previous GA requires server reboot. Downgrading from v2.30.8000 or later to an earlier version than 2.30.8000 requires server reboot. Reboot the server.

On ConnectX-3 Ethernet adapter cards, there is a mismatch between the GUID value returned by firmware management tools and that returned by fabric/driver utilities that read the GUID via device firmware (e.g., using ibstat). Mlxburn/flint return 0xffff as GUID while the utilities return a value derived from the MAC address. For all driver/firmware/software purposes, the latter value should be used.

SBR should be asserted for a minimum of 50 milliseconds for the ConnectX -3 adapters

On Pilot1 SL230, PCIe link occasionally does not come up at Gen3 speed

RH6.3 Inbox driver causes kernel panic when SR-IOV is enabled on VPI cards due to driver compatibility issue.

When SR-IOV is disabled in the system BIOS, a PCI issue is noticed in Ubuntu v12.04.3 with Linux kernel v3.8 which affects NICs of several manufacturers including Mellanox's, preventing them from operating.

MFT tools might leave the flash semaphore locked if the tool operation is forced stopped. The locked semaphore prevents the firmware from accessing the flash and causes firmware hang.

Cable Info MAD reports a wrong cable info when using the MC2210411-SR4 module

Gen2 failure at temperature sweep up to 10C/min (for MT27518A1-FDIR-BV only).

PCIe Gen2 link unstable at temperature sweep of 10C/min for MT27518A1-FDIR-BV

Bloom filter is currently not supported.

Firmware downgrade message When downgrading from firmware v2.11.0000 and using MFT 3.0.0-3

RM#DMFS should not be enabled when working with InfiniBand on MLNX_OFED-2.0.3

RM#VPD read-only fields are writable.

Increasing SymbolErrorCounter When working in VPI mode with port1 FDR and port2 40G, error counters misbehave and increase rapidly

Setting the device to 128Byte CQ/EQ stride will cause misbehavior of sideband management resulting in communication loss.

CQ and EQ cannot be configured to different stride sizes.

ConnectX-3 Pro VF device ID is presented the same as ConnectX-3 VF device ID due to driver limitations. RSOD while running PXE (legacy) on G9 servers. This occurs only when PXE boot fails and BIOS boots from HDD. Currently it is pending BIOS fix.

Changing port protocol from ETH to IB on port with NCSI/IPMI enabled while the port is connected to ETH switch is not supported.

RDP over IPv6 is currently not functional.

Sniffer QP cannot be removed from the regular rule after adding the QP with insertion scheme equals to "push to that rule"

Since only a single Boot Entry Vector (BEV) per PCI Physical Function is supported, disabling the first port causes the second port to disappear as well.

The NIC does not notify the driver of a link-down incident when a cable is unplugged from a NIC port with 56GbE port link.

56GbE link is not raised when using 100GbE optic cables.

When working with MLNX_OFED v3.3-1.0.0.0, server reboot could get stuck due to a kernel panic in `mlx-4_en_get_drvinfo()` that is called from asynchronous event handler.

832298:When running `ibdump`, loopback traffic is mirroring into the kernel driver.

AHS reports wrong MTU size

RM#846523: MAC address that are set from the OS using `ifconfig` are not reflected in the OCBB buffer
Known Issues for FW version 14.27.24000 and 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (`page_offset != 0`), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (`page_offset = 0`).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

`mlxconfig` query for the `BOOT_INTERRUPT_DIS` TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing `mlxfwreset`, the expansion ROM register might be writable on all hosts for less than 1 second.

`quota_exceeded_command` and `invalid_command c`

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Fixes submitted in version 2.42.5044 :

An issue that prevented the firmware from detecting a link_down event thus preventing the IB bond interface from going to a failover mode.

Following issues have been fixed in firmware version 14.27.4000:

The sent packet hung while the device entered FLR mode.

Enabled Bar configuration bitwise by applying the write_en bitmask.

The device hung while running the sw reset flow under heavy stress and with many open resources.

The completions (CQ) completed due to a race condition in the firmware transport error handlers, and the error stressors, where the error stressors would hang the firmware transport error handler flow.

The fragmented IP packets were dropped.

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Enhancements

Firmware for the following devices are updated to 2.42.5044 :

779799-B21 (HP Ethernet 10G 2-port 546FLR-SFP+ Adapter)

779793-B21 (HP Ethernet 10G 2-port 546SFP+ Adapter)

Firmware for the following devices are updated to 14.27.4000:

817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

Firmware for the following devices are updated to 14.27.4000:

817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device is updated to 16.27.2008:

874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 16.27.2008:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

New features and changes in version 14.27.4000:

Added mlxconfig support for power reduction:

PCI CAP

AUTO_POWER_SAVE_LINK_DOWN

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
779793-B21	HP Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HP Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.5

Version: 1.0.7 (Recommended)

Important Note!

Known Issues with firmware version 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (page_offset != 0), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (page_offset = 0).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

mlxconfig query for the BOOT_INTERRUPT_DIS TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing mlxfwreset, the expansion ROM register might be writable on all hosts for less than 1 second.

quota_exceeded_command and invalid_command counters do not function properly. In this firmware version, the quota_exceeded_command counter's value always remains 0, whereas the invalid_command counter increases only for some Ethernet commands failure events.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Following issues have been fixed in firmware version 12.27.4000:

The device hung while running the sw reset flow under heavy stress and with many open resources.

Low PXE performance observed while using the VSC to trigger the send_ring_doorbells.

IPoIB and DC would not work together.

DC functionality issues.

Enhancements

Firmware for the following devices are updated to 12.27.4000:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.27.4000:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

Firmware for the following devices are updated to 16.27.2008:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)

872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New Feature and Changes in Version 16.27.2008:

This release contains important reliability improvements and security hardening enhancements. Upgrade the firmware of the device to this release to improve the devices' firmware security and reliability.

Improved init_hca performance in Parallel Function initialization.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE000000022

Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 6.5

Version: 1.0.0 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand

Port #1 Ethernet	HDR/HDR100	EDR	FDR	QDR
50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet

Port #1 - InfiniBand	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.27.6008. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

There are no new fixes in firmware version 20.27.6008.

Enhancements

Firmware for the following devices are updated to 20.27.6008:

HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter - P06154-B21

HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter - P06250-B21

HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter - P06251-B21

New Features and Changes in Version 20.27.6008:

The following are the minimal software/firmware versions that support PAM4 link speeds when connected using Mellanox NIC to Mellanox Switch and Mellanox NIC to 3rd Party Switches:

Mellanox Onyx: 3.9.0830-038

ConnectX-6: 20.27.2008*

*Note: NICs with this firmware version support Mellanox-to-Mellanox connectivity with PAM4 link speeds.

Added support for the following features:

Enabled KP4RS FEC on Active Fiber cable up to 30m.

FDR protocol.

Enabled updating End-to-End (E2E) credit packets instantly.

Supported Devices and Features

HPE Part	Device Name	PSID
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Number		
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox Ethernet only adapters

Version: 1.0.4 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Known Issues for FW version 2.42.5044 :

When using the QSFP module RTX320-581, and performing a driver restart for the firmware upgrade/downgrade to take effect, the link does not come up.

Enabling/disabling cq_timestamp using mlxconfig is not supported.

In a card with 2 separate LEDs scheme (a Phy LED and a logic LED) only the Phy LED will lit. Meaning, the orange LED will not be active while the ETH link is in an idle mode.

In SR-IOV setup, using mlxconfig when the PF is passed through to a VM requires a reboot of the Hypervisor.

Downgrade to previous GA requires server reboot. Downgrading from v2.30.8000 or later to an earlier version than 2.30.8000 requires server reboot. Reboot the server.

On ConnectX-3 Ethernet adapter cards, there is a mismatch between the GUID value returned by firmware management tools and that returned by fabric/driver utilities that read the GUID via device firmware (e.g., using ibstat). Mlxburn/flint return 0xffff as GUID while the utilities return a value derived from the MAC address. For all driver/firmware/software purposes, the latter value should be used.

SBR should be asserted for a minimum of 50 milliseconds for the ConnectX -3 adapters

On Pilot1 SL230, PCIe link occasionally does not come up at Gen3 speed

RH6.3 Inbox driver causes kernel panic when SR-IOV is enabled on VPI cards due to driver compatibility issue.

When SR-IOV is disabled in the system BIOS, a PCI issue is noticed in Ubuntu v12.04.3 with Linux kernel v3.8 which affects NICs of several manufacturers including Mellanox's, preventing them from operating.

MFT tools might leave the flash semaphore locked if the tool operation is forced stopped. The locked semaphore prevents the firmware from accessing the flash and causes firmware hang.

Cable Info MAD reports a wrong cable info when using the MC2210411-SR4 module

Gen2 failure at temperature sweep up to 10C/min (for MT27518A1-FDIR-BV only).

PCIe Gen2 link unstable at temperature sweep of 10C/min for MT27518A1-FDIR-BV

Bloom filter is currently not supported.

Firmware downgrade message When downgrading from firmware v2.11.0000 and using MFT 3.0.0-3

RM#DMFS should not be enabled when working with InfiniBand on MLNX_OFED-2.0.3

RM#VPD read-only fields are writable.

Increasing SymbolErrorCounter When working in VPI mode with port1 FDR and port2 40G, error counters misbehave and increase rapidly

Setting the device to 128Byte CQ/EQ stride will cause misbehavior of sideband management resulting in communication loss.

CQ and EQ cannot be configured to different stride sizes.

ConnectX-3 Pro VF device ID is presented the same as ConnectX-3 VF device ID due to driver limitations.

RSOD while running PXE (legacy) on G9 servers. This occurs only when PXE boot fails and BIOS boots from HDD. Currently it is pending BIOS fix.

Changing port protocol from ETH to IB on port with NCSI/IPMI enabled while the port is connected to ETH switch is not supported.

RDP over IPv6 is currently not functional.

Sniffer QP cannot be removed from the regular rule after adding the QP with insertion scheme equals to "push to that rule"

Since only a single Boot Entry Vector (BEV) per PCI Physical Function is supported, disabling the first port causes the second port to disappear as well.

The NIC does not notify the driver of a link-down incident when a cable is unplugged from a NIC port with 56GbE port link.

56GbE link is not raised when using 100GbE optic cables.

When working with MLNX_OFED v3.3-1.0.0.0, server reboot could get stuck due to a kernel panic in `mlx-4_en_get_drvinfo()` that is called from asynchronous event handler.

832298:When running `ibdump`, loopback traffic is mirroring into the kernel driver.

AHS reports wrong MTU size

RM#846523: MAC address that are set from the OS using `ifconfig` are not reflected in the OCBB buffer

Known Issues for FW version 14.27.24000 and 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (`page_offset != 0`), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (`page_offset = 0`).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

`mlxconfig` query for the `BOOT_INTERRUPT_DIS` TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing `mlxfwreset`, the expansion ROM register might be writable on all hosts for less than 1 second.

`quota_exceeded_command` and `invalid_command c`

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version

14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Fixes submitted in version 2.42.5044 :

An issue that prevented the firmware from detecting a link_down event thus preventing the IB bond interface from going to a failover mode.

Following issues have been fixed in firmware version 14.27.4000:

The sent packet hung while the device entered FLR mode.

Enabled Bar configuration bitwise by applying the write_en bitmask.

The device hung while running the sw reset flow under heavy stress and with many open resources.

The completions (CQ) completed due to a race condition in the firmware transport error handlers, and the error stressors, where the error stressors would hang the firmware transport error handler flow.

The fragmented IP packets were dropped.

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Enhancements

Firmware for the following devices are updated to 2.42.5044 :

779799-B21 (HP Ethernet 10G 2-port 546FLR-SFP+ Adapter)

779793-B21 (HP Ethernet 10G 2-port 546SFP+ Adapter)

Firmware for the following devices are updated to 14.27.4000:

817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

Firmware for the following devices are updated to 14.27.4000:

817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device is updated to 16.27.2008:

874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 16.27.2008:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

New features and changes in version 14.27.4000:

Added mlxconfig support for power reduction:

PCI CAP

AUTO_POWER_SAVE_LINK_DOWN

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
779793-B21	HP Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HP Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.7

Version: 1.0.3 (Recommended)

Important Note!

Known Issues with firmware version 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (page_offset != 0), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (page_offset = 0).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

mlxconfig query for the BOOT_INTERRUPT_DIS TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing mlxfwreset, the expansion ROM register might be writable on all hosts for less than 1 second.

quota_exceeded_command and invalid_command counters do not function properly. In this firmware version, the quota_exceeded_command counter's value always remains 0, whereas the invalid_command counter increases only for some Ethernet commands failure events.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version

14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Following issues have been fixed in firmware version 12.27.4000:

The device hung while running the sw reset flow under heavy stress and with many open resources.

Low PXE performance observed while using the VSC to trigger the send_ring_doorbells.

IPoB and DC would not work together.

DC functionality issues.

Enhancements

Firmware for the following devices are updated to 12.27.4000:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.27.4000:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

Firmware for the following devices are updated to 16.27.2008:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)

872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New Feature and Changes in Version 16.27.2008:

This release contains important reliability improvements and security hardening enhancements. Upgrade the firmware of the device to this release to improve the devices' firmware security and reliability.

Improved init_hca performance in Parallel Function initialization.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022

Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox VPI (Ethernet and InfiniBand mode) ConnectX6 devices on VMware ESXi 6.7

Version: 1.0.0 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand

Port #1 Ethernet	HDR/HDR100	EDR	FDR	QDR
50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet

Port #1 - InfiniBand	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.27.6008. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

There are no new fixes in firmware version 20.27.6008.

Enhancements

Firmware for the following devices are updated to 20.27.6008:

HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter - P06154-B21

HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter - P06250-B21

HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter - P06251-B21

New Features and Changes in Version 20.27.6008:

The following are the minimal software/firmware versions that support PAM4 link speeds when connected using Mellanox NIC to Mellanox Switch and Mellanox NIC to 3rd Party Switches:

Mellanox Onyx: 3.9.0830-038

ConnectX-6: 20.27.2008*

*Note: NICs with this firmware version support Mellanox-to-Mellanox connectivity with PAM4 link speeds.

Added support for the following features:

Enabled KP4RS FEC on Active Fiber cable up to 30m.

FDR protocol.

Enabled updating End-to-End (E2E) credit packets instantly.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.0 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Known Issues for FW version 2.42.5044 :

When using the QSFP module RTX320-581, and performing a driver restart for the firmware upgrade/downgrade to take effect, the link does not come up.

Enabling/disabling cq_timestamp using mlxconfig is not supported.

In a card with 2 separate LEDs scheme (a Phy LED and a logic LED) only the Phy LED will lit. Meaning, the orange LES will not be active while the ETH link is in an idle mode.

In SR-IOV setup, using mlxconfig when the PF is passed through to a VM requires a reboot of the Hypervisor.

Downgrade to previous GA requires server reboot. Downgrading from v2.30.8000 or later to an earlier version than 2.30.8000 requires server reboot. Reboot the server.

On ConnectX-3 Ethernet adapter cards, there is a mismatch between the GUID value returned by firmware management tools and that returned by fabric/driver utilities that read the GUID via device firmware (e.g., using ibstat). Mlxburn/flint return 0xffff as GUID while the utilities return a value derived from the MAC address. For all driver/firmware/software purposes, the latter value should be used.

SBR should be asserted for a minimum of 50 milliseconds for the ConnectX -3 adapters

On Pilot1 SL230, PCIe link occasionally does not come up at Gen3 speed

RH6.3 Inbox driver causes kernel panic when SR-IOV is enabled on VPI cards due to driver compatibility issue.

When SR-IOV is disabled in the system BIOS, a PCI issue is noticed in Ubuntu v12.04.3 with Linux kernel v3.8 which affects NICs of several manufacturers including Mellanox's, preventing them from operating.

MFT tools might leave the flash semaphore locked if the tool operation is forced stopped. The locked semaphore prevents the firmware from accessing the flash and causes firmware hang.

Cable Info MAD reports a wrong cable info when using the MC2210411-SR4 module

Gen2 failure at temperature sweep up to 10C/min (for MT27518A1-FDIR-BV only).

PCIe Gen2 link unstable at temperature sweep of 10C/min for MT27518A1-FDIR-BV

Bloom filter is currently not supported.

Firmware downgrade message When downgrading from firmware v2.11.0000 and using MFT 3.0.0-3

RM#DMFS should not be enabled when working with InfiniBand on MLNX_OFED-2.0.3

RM#VPD read-only fields are writable.

Increasing SymbolErrorCounter When working in VPI mode with port1 FDR and port2 40G, error counters misbehave and increase rapidly

Setting the device to 128Byte CQ/EQ stride will cause misbehavior of sideband management resulting in communication loss.

CQ and EQ cannot be configured to different stride sizes.

ConnectX-3 Pro VF device ID is presented the same as ConnectX-3 VF device ID due to driver limitations.

RSOD while running PXE (legacy) on G9 servers. This occurs only when PXE boot fails and BIOS boots from HDD. Currently it is pending BIOS fix.

Changing port protocol from ETH to IB on port with NCSI/IPMI enabled while the port is connected to ETH switch is not supported.

RDP over IPv6 is currently not functional.

Sniffer QP cannot be removed from the regular rule after adding the QP with insertion scheme equals to "push to that rule"

Since only a single Boot Entry Vector (BEV) per PCI Physical Function is supported, disabling the first port causes the second port to disappear as well.

The NIC does not notify the driver of a link-down incident when a cable is unplugged from a NIC port with 56GbE port link.

56GbE link is not raised when using 100GbE optic cables.

When working with MLNX_OFED v3.3-1.0.0.0, server reboot could get stuck due to a kernel panic in `mlx-4_en_get_drvinfo()` that is called from asynchronous event handler.

832298:When running `ibdump`, loopback traffic is mirroring into the kernel driver.

AHS reports wrong MTU size

RM#846523: MAC address that are set from the OS using `ifconfig` are not reflected in the OCBB buffer

Known Issues for FW version 14.27.24000 and 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (`page_offset != 0`), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (`page_offset = 0`).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

`mlxconfig` query for the `BOOT_INTERRUPT_DIS` TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing `mlxfwreset`, the expansion ROM register might be writable on all hosts for less than 1 second.

`quota_exceeded_command` and `invalid_command c`

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Fixes submitted in version 2.42.5044 :

An issue that prevented the firmware from detecting a link_down event thus preventing the IB bond interface from going to a failover mode.

Following issues have been fixed in firmware version 14.27.4000:

The sent packet hung while the device entered FLR mode.

Enabled Bar configuration bitwise by applying the write_en bitmask.

The device hung while running the sw reset flow under heavy stress and with many open resources.

The completions (CQ) completed due to a race condition in the firmware transport error handlers, and the error stressors, where the error stressors would hang the firmware transport error handler flow.

The fragmented IP packets were dropped.

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Enhancements

Firmware for the following devices are updated to 2.42.5044 :

779799-B21 (HP Ethernet 10G 2-port 546FLR-SFP+ Adapter)

779793-B21 (HP Ethernet 10G 2-port 546SFP+ Adapter)

Firmware for the following devices are updated to 14.27.4000:

817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

Firmware for the following devices are updated to 14.27.4000:

817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device is updated to 16.27.2008:

874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 16.27.2008:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

New features and changes in version 14.27.4000:

Added mlxconfig support for power reduction:

PCI CAP

AUTO_POWER_SAVE_LINK_DOWN

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
779793-B21	HP Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HP Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0

Version: 1.0.0 (Recommended)

Important Note!

Known Issues with firmware version 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (page_offset != 0), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (page_offset = 0).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

mlxconfig query for the BOOT_INTERRUPT_DIS TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing mlxfwreset, the expansion ROM register might be writable on all hosts for less than 1 second.

quota_exceeded_command and invalid_command counters do not function properly. In this firmware version, the quota_exceeded_command counter's value always remains 0, whereas the invalid_command counter increases only for some Ethernet commands failure events.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version

14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Following issues have been fixed in firmware version 12.27.4000:

The device hung while running the sw reset flow under heavy stress and with many open resources.

Low PXE performance observed while using the VSC to trigger the send_ring_doorbells.

IPoB and DC would not work together.

DC functionality issues.

Enhancements

Firmware for the following devices are updated to 12.27.4000:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.27.4000:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

Firmware for the following devices are updated to 16.27.2008:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)

872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New Feature and Changes in Version 16.27.2008:

This release contains important reliability improvements and security hardening enhancements. Upgrade the firmware of the device to this release to improve the devices' firmware security and reliability.

Improved init_hca performance in Parallel Function initialization.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009

879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
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Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0

Version: 1.0.0 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand

Port #1 Ethernet	HDR/HDR100	EDR	FDR	QDR
50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet

Port #1 - InfiniBand	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.27.6008. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

There are no new fixes in firmware version 20.27.6008.

Enhancements

Firmware for the following devices are updated to 20.27.6008:

HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter - P06154-B21

HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter - P06250-B21

HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter - P06251-B21

New Features and Changes in Version 20.27.6008:

The following are the minimal software/firmware versions that support PAM4 link speeds when connected using Mellanox NIC to Mellanox Switch and Mellanox NIC to 3rd Party Switches:

Mellanox Onyx: 3.9.0830-038

ConnectX-6: 20.27.2008*

*Note: NICs with this firmware version support Mellanox-to-Mellanox connectivity with PAM4 link speeds.

Added support for the following features:

Enabled KP4RS FEC on Active Fiber cable up to 30m.

FDR protocol.

Enabled updating End-to-End (E2E) credit packets instantly.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters

Version: 1.0.13 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Known Issues for FW version 2.42.5044 :

When using the QSFP module RTX320-581, and performing a driver restart for the firmware upgrade/downgrade to take effect, the link does not come up.

Enabling/disabling cq_timestamp using mlxconfig is not supported.

In a card with 2 separate LEDs scheme (a Phy LED and a logic LED) only the Phy LED will lit. Meaning, the orange LES will not be active while the ETH link is in an idle mode.

In SR-IOV setup, using mlxconfig when the PF is passed through to a VM requires a reboot of the Hypervisor.

Downgrade to previous GA requires server reboot. Downgrading from v2.30.8000 or later to an earlier version than 2.30.8000 requires server reboot. Reboot the server.

On ConnectX-3 Ethernet adapter cards, there is a mismatch between the GUID value returned by firmware management tools and that returned by fabric/driver utilities that read the GUID via device firmware (e.g., using ibstat). Mlxburn/flint return 0xffff as GUID while the utilities return a value derived from the MAC address. For all driver/firmware/software purposes, the latter value should be used.

SBR should be asserted for a minimum of 50 milliseconds for the ConnectX -3 adapters

On Pilot1 SL230, PCIe link occasionally does not come up at Gen3 speed

RH6.3 Inbox driver causes kernel panic when SR-IOV is enabled on VPI cards due to driver compatibility issue.

When SR-IOV is disabled in the system BIOS, a PCI issue is noticed in Ubuntu v12.04.3 with Linux kernel v3.8 which affects NICs of several manufacturers including Mellanox's, preventing them from operating.

MFT tools might leave the flash semaphore locked if the tool operation is forced stopped. The locked semaphore prevents the firmware from accessing the flash and causes firmware hang.

Cable Info MAD reports a wrong cable info when using the MC2210411-SR4 module

Gen2 failure at temperature sweep up to 10C/min (for MT27518A1-FDIR-BV only).

PCIe Gen2 link unstable at temperature sweep of 10C/min for MT27518A1-FDIR-BV

Bloom filter is currently not supported.

Firmware downgrade message When downgrading from firmware v2.11.0000 and using MFT 3.0.0-3

RM#DMFS should not be enabled when working with InfiniBand on MLNX_OFED-2.0.3

RM#VPD read-only fields are writable.

Increasing SymbolErrorCounter When working in VPI mode with port1 FDR and port2 40G, error counters misbehave and increase rapidly

Setting the device to 128Byte CQ/EQ stride will cause misbehavior of sideband management resulting in communication loss.

CQ and EQ cannot be configured to different stride sizes.

ConnectX-3 Pro VF device ID is presented the same as ConnectX-3 VF device ID due to driver limitations.

RSOD while running PXE (legacy) on G9 servers. This occurs only when PXE boot fails and BIOS boots from HDD. Currently it is pending BIOS fix.

Changing port protocol from ETH to IB on port with NCSI/IPMI enabled while the port is connected to ETH switch is not supported.

RDP over IPv6 is currently not functional.

Sniffer QP cannot be removed from the regular rule after adding the QP with insertion scheme equals to "push to that rule"

Since only a single Boot Entry Vector (BEV) per PCI Physical Function is supported, disabling the first port causes the second port to disappear as well.

The NIC does not notify the driver of a link-down incident when a cable is unplugged from a NIC port with 56GbE port link.

56GbE link is not raised when using 100GbE optic cables.

When working with MLNX_OFED v3.3-1.0.0.0, server reboot could get stuck due to a kernel panic in mlx-4_en_get_drvinfo() that is called from asynchronous event handler.

832298:When running ibdump, loopback traffic is mirroring into the kernel driver.

AHS reports wrong MTU size

RM#846523: MAC address that are set from the OS using ifconfig are not reflected in the OCBB buffer

Known Issues for FW version 14.27.24000 and 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (page_offset != 0), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (page_offset = 0).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

mlxconfig query for the BOOT_INTERRUPT_DIS TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing mlxfwreset, the expansion ROM register might be writable on all hosts for less than 1 second.

quota_exceeded_command and invalid_command c

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Fixes submitted in version 2.42.5044 :

An issue that prevented the firmware from detecting a link_down event thus preventing the IB bond interface from going to a failover mode.

Following issues have been fixed in firmware version 14.27.4000:

The sent packet hung while the device entered FLR mode.

Enabled Bar configuration bitwise by applying the write_en bitmask.

The device hung while running the sw reset flow under heavy stress and with many open resources.

The completions (CQ) completed due to a race condition in the firmware transport error handlers, and the error stressors, where the error stressors would hang the firmware transport error handler flow.

The fragmented IP packets were dropped.

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Enhancements

Firmware for the following devices are updated to 2.42.5044 :

779799-B21 (HP Ethernet 10G 2-port 546FLR-SFP+ Adapter)

779793-B21 (HP Ethernet 10G 2-port 546SFP+ Adapter)

Firmware for the following devices are updated to 14.27.4000:

817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

Firmware for the following devices are updated to 14.27.4000:

817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device is updated to 16.27.2008:

874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 16.27.2008:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

New features and changes in version 14.27.4000:

Added mlxconfig support for power reduction:

PCI CAP

AUTO_POWER_SAVE_LINK_DOWN

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
779793-B21	HP Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HP Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX4 and ConnectX5 devices on Linux x86_64 platform

Version: 1.0.9 (Recommended)

Important Note!

Known Issues with firmware version 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (page_offset != 0), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (page_offset = 0).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

mlxconfig query for the BOOT_INTERRUPT_DIS TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing mlxfwreset, the expansion ROM register might be writable on all hosts for less than 1 second.

quota_exceeded_command and invalid_command counters do not function properly. In this firmware version, the quota_exceeded_command counter's value always remains 0, whereas the invalid_command counter increases only for some Ethernet commands failure events.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version

14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Following issues have been fixed in firmware version 12.27.4000:

The device hung while running the sw reset flow under heavy stress and with many open resources.

Low PXE performance observed while using the VSC to trigger the send_ring_doorbells.

IPoB and DC would not work together.

DC functionality issues.

Enhancements

Firmware for the following devices are updated to 12.27.4000:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.27.4000:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

Firmware for the following devices are updated to 16.27.2008:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)

872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New Feature and Changes in Version 16.27.2008:

This release contains important reliability improvements and security hardening enhancements. Upgrade the firmware of the device to this release to improve the devices' firmware security and reliability.

Improved init_hca performance in Parallel Function initialization.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009

879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE000000022
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Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX6 devices on Linux x86_64 platform

Version: 1.0.5 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand

Port #1 Ethernet	HDR/HDR100	EDR	FDR	QDR
50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet

Port #1 - InfiniBand	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.27.6008. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

There are no new fixes in firmware version 20.27.6008.

Enhancements

Firmware for the following devices are updated to 20.27.6008:

HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter - P06154-B21

HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter - P06250-B21

HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter - P06251-B21

New Features and Changes in Version 20.27.6008:

The following are the minimal software/firmware versions that support PAM4 link speeds when connected using Mellanox NIC to Mellanox Switch and Mellanox NIC to 3rd Party Switches:

Mellanox Onyx: 3.9.0830-038

ConnectX-6: 20.27.2008*

*Note: NICs with this firmware version support Mellanox-to-Mellanox connectivity with PAM4 link speeds.

Added support for the following features:

Enabled KP4RS FEC on Active Fiber cable up to 30m.

FDR protocol.

Enabled updating End-to-End (E2E) credit packets instantly.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters

Version: 1.0.0.13 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Known Issues for FW version 2.42.5044 :

When using the QSFP module RTX320-581, and performing a driver restart for the firmware upgrade/downgrade to take effect, the link does not come up.

Enabling/disabling cq_timestamp using mlxconfig is not supported.

In a card with 2 separate LEDs scheme (a Phy LED and a logic LED) only the Phy LED will lit. Meaning, the orange LED will not be active while the ETH link is in an idle mode.

In SR-IOV setup, using mlxconfig when the PF is passed through to a VM requires a reboot of the Hypervisor.

Downgrade to previous GA requires server reboot. Downgrading from v2.30.8000 or later to an earlier version than 2.30.8000 requires server reboot. Reboot the server.

On ConnectX-3 Ethernet adapter cards, there is a mismatch between the GUID value returned by firmware management tools and that returned by fabric/driver utilities that read the GUID via device firmware (e.g., using ibstat). Mlxburn/flint return 0xffff as GUID while the utilities return a value derived from the MAC address. For all driver/firmware/software purposes, the latter value should be used.

SBR should be asserted for a minimum of 50 milliseconds for the ConnectX -3 adapters

On Pilot1 SL230, PCIe link occasionally does not come up at Gen3 speed

RH6.3 Inbox driver causes kernel panic when SR-IOV is enabled on VPI cards due to driver compatibility issue.

When SR-IOV is disabled in the system BIOS, a PCI issue is noticed in Ubuntu v12.04.3 with Linux kernel v3.8 which affects NICs of several manufacturers including Mellanox's, preventing them from operating. MFT tools might leave the flash semaphore locked if the tool operation is forced stopped. The locked semaphore prevents the firmware from accessing the flash and causes firmware hang.

Cable Info MAD reports a wrong cable info when using the MC2210411-SR4 module
Gen2 failure at temperature sweep up to 10C/min (for MT27518A1-FDIR-BV only).
PCIe Gen2 link unstable at temperature sweep of 10C/min for MT27518A1-FDIR-BV
Bloom filter is currently not supported.

Firmware downgrade message When downgrading from firmware v2.11.0000 and using MFT 3.0.0-3
RM#DMFS should not be enabled when working with InfiniBand on MLNX_OFED-2.0.3
RM#VPD read-only fields are writable.

Increasing SymbolErrorCounter When working in VPI mode with port1 FDR and port2 40G, error counters
misbehave and increase rapidly

Setting the device to 128Byte CQ/EQ stride will cause misbehavior of sideband management resulting in
communication loss.

CQ and EQ cannot be configured to different stride sizes.

ConnectX-3 Pro VF device ID is presented the same as ConnectX-3 VF device ID due to driver limitations.

RSOD while running PXE (legacy) on G9 servers. This occurs only when PXE boot fails and BIOS boots from
HDD. Currently it is pending BIOS fix.

Changing port protocol from ETH to IB on port with NCSI/IPMI enabled while the port is connected to ETH
switch is not supported.

RDP over IPv6 is currently not functional.

Sniffer QP cannot be removed from the regular rule after adding the QP with insertion scheme equals to
"push to that rule"

Since only a single Boot Entry Vector (BEV) per PCI Physical Function is supported, disabling the first port
causes the second port to disappear as well.

The NIC does not notify the driver of a link-down incident when a cable is unplugged from a NIC port with
56GbE port link.

56GbE link is not raised when using 100GbE optic cables.

When working with MLNX_OFED v3.3-1.0.0.0, server reboot could get stuck due to a kernel panic in
mlx-4_en_get_drvinfo() that is called from asynchronous event handler.

832298:When running ibdump, loopback traffic is mirroring into the kernel driver.

AHS reports wrong MTU size

RM#846523: MAC address that are set from the OS using ifconfig are not reflected in the OCBB buffer
Known Issues for FW version 14.27.24000 and 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (page_offset != 0), the
QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (page_offset = 0).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

mlxconfig query for the BOOT_INTERRUPT_DIS TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after
re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing mlxfwreset, the expansion ROM register might be

writable on all hosts for less than 1 second.

quota_exceeded_command and invalid_command c

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

Fixes submitted in version 2.42.5044 :

An issue that prevented the firmware from detecting a link_down event thus preventing the IB bond interface from going to a failover mode.

Following issues have been fixed in firmware version 14.27.4000:

The sent packet hung while the device entered FLR mode.

Enabled Bar configuration bitwise by applying the write_en bitmask.

The device hung while running the sw reset flow under heavy stress and with many open resources.

The completions (CQ) completed due to a race condition in the firmware transport error handlers, and the error stressors, where the error stressors would hang the firmware transport error handler flow.

The fragmented IP packets were dropped.

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Enhancements

Firmware for the following devices are updated to 2.42.5044 :

779799-B21 (HP Ethernet 10G 2-port 546FLR-SFP+ Adapter)

779793-B21 (HP Ethernet 10G 2-port 546SFP+ Adapter)

Firmware for the following devices are updated to 14.27.4000:

817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

Firmware for the following devices are updated to 14.27.4000:

817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device is updated to 16.27.2008:

874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 16.27.2008:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP
PRM_QUERY_CQ
PRM_QUERY_MKEY
QUERY_VNIC_ENV

New features and changes in version 14.27.4000:

Added mlxconfig support for power reduction:

PCI CAP

AUTO_POWER_SAVE_LINK_DOWN

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
779793-B21	HP Ethernet 10Gb 2-port 546SFP+ Adapter	HP_1200111023
779799-B21	HP Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX4 and ConnectX5 devices on Windows x86_64 platform

Version: 1.0.0.8 (Recommended)

Important Note!

Known Issues with firmware version 16.27.2008:

When working with an NVME offload QP that is created with a unaligned page size (page_offset != 0), the QP moves to an error state on the first posted WQE.

Workaround: Create an NVME offload QP with page an aligned size (page_offset = 0).

Flow Metering capability is not functional in firmware v16.27.1016.

Workaround: To use Flow Metering, use older firmware versions.

mlxconfig query for the BOOT_INTERRUPT_DIS TLV shows a wrong value in the "current value" field.

Workaround: Use "next boot" indication to see the right value.

If Relaxed Ordering is disabled by running the "setpci" command, it will not be functional even after re-enabling it by running the "setpci" command again.

In Socket Direct supported cards, after performing mlxfwreset, the expansion ROM register might be writable on all hosts for less than 1 second.

quota_exceeded_command and invalid_command counters do not function properly. In this firmware version, the quota_exceeded_command counter's value always remains 0, whereas the invalid_command counter increases only for some Ethernet commands failure events.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version

14.27.4000/16.27.2008 respectively. Thermal sensor reporting on the adapter will not be functional with

older versions of iLO5 firmware.

Fixes

Following issues have been fixed in firmware version 16.27.2008:

Although the effective BER (after FEC) was expected to meet the design targets (e.g. 10e-14 or lower), occasionally it was higher.

High BER occurred when connecting cables of type 0.5/1m DAC to an HDR speed.

The PCIe Tx parameters did not load correctly when the speed was changed after the PCIe link was disabled.

The desched_threshold field did not work properly.

The "roce_adp_retrans" counter was presenting the values of the "local_ack_timeout_err" counter.

If Relaxed Ordering was disabled by running the "setpci" command, it would not be functional even after re-enabling it by running the "setpci" command again.

Following issues have been fixed in firmware version 12.27.4000:

The device hung while running the sw reset flow under heavy stress and with many open resources.

Low PXE performance observed while using the VSC to trigger the send_ring_doorbells.

IPoB and DC would not work together.

DC functionality issues.

Enhancements

Firmware for the following devices are updated to 12.27.4000:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.27.4000:

Added the following segments, as appeared in the PRM, to the Resource Dump:

PRM_QUERY_QP

PRM_QUERY_CQ

PRM_QUERY_MKEY

QUERY_VNIC_ENV

Firmware for the following devices are updated to 16.27.2008:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)

872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New Feature and Changes in Version 16.27.2008:

This release contains important reliability improvements and security hardening enhancements. Upgrade the firmware of the device to this release to improve the devices' firmware security and reliability.

Improved init_hca performance in Parallel Function initialization.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110-B21	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP_2180110032
825111-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP_2190110032

872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009
879482-B21	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE000000022

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX6 devices on Windows x86_64 platform

Version: 1.0.0.2 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand

Port #1 Ethernet	HDR/HDR100	EDR	FDR	QDR
50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet

Port #1 - InfiniBand	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.27.6008. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

There are no new fixes in firmware version 20.27.6008.

Enhancements

Firmware for the following devices are updated to 20.27.6008:

HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter - P06154-B21

HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter - P06250-B21

HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter - P06251-B21

New Features and Changes in Version 20.27.6008:

The following are the minimal software/firmware versions that support PAM4 link speeds when connected using Mellanox NIC to Mellanox Switch and Mellanox NIC to 3rd Party Switches:

Mellanox Onyx: 3.9.0830-038

ConnectX-6: 20.27.2008*

*Note: NICs with this firmware version support Mellanox-to-Mellanox connectivity with PAM4 link speeds.

Added support for the following features:

Enabled KP4RS FEC on Active Fiber cable up to 30m.

FDR protocol.

Enabled updating End-to-End (E2E) credit packets instantly.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036

Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives

Version: HPK4 (D) (Recommended)

Enhancements

Added support for RHEL8.2

Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives

Version: HPK4 (E) (Recommended)

Enhancements

Added support for RHEL 8.2

Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives

Version: HPK1 (E) (Critical)

Fixes

This firmware corrects the potential for a drive to become disabled and nonfunctional during certain conditions or workloads.

After the drive is upgraded to firmware version HPK1, it cannot be downgraded to firmware version HPK0.

Enhancements

Added support for RHEL 8.2

Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives

Version: HPK4 (D) (Recommended)

Enhancements

Added support for RHEL8.2

Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: HPK3 (B) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives

Version: HPK4 (E) (Recommended)

Enhancements

Added support for RHEL 8.2

Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives

Version: HPS1 (D) (Recommended)

Enhancements

Added support for RHEL 8.2

Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives

Version: HPK4 (E) (Recommended)

Enhancements

Added support for RHEL 8.2

Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: HPK3 (B) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives

Version: HPK4 (E) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives

Version: HPK4 (C) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives

Version: HPS1 (D) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives

Version: HPK1 (D) (Critical)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

This firmware corrects the potential for a drive to become disabled and nonfunctional during certain conditions or workloads.

After the drive is upgraded to firmware version HPK1, it cannot be downgraded to firmware version HPK0.

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives

Version: HPK4 (C) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives

Version: HPK4 (D) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives

Version: HPK4 (D) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 7.0

Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: HPK3 (B) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows 2019

Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives

Version: HPK4 (B) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows 2019.

Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives

Version: HPK4 (B) (Recommended)

Enhancements

Added support for Windows 2019.

Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives

Version: HPS1 (B) (Recommended)

Enhancements

Added support for Windows 2019.

Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives

Version: HPK1 (B) (Recommended)

Enhancements

Added support for Windows 2019.

Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives

Version: HPK4 (B) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows 2019.

Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives

Version: HPK4 (B) (Recommended)

Enhancements

Added support for Windows 2019.

Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives

Version: HPK4 (B) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows 2019.

Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 0.2.2.0 (Optional)

Prerequisites

System ROM V1.26 or later

The "iLO 5 Channel Interface Driver" (CHIF) for Windows

Enhancements

Version 0.2.2.0 firmware

Online HDD/SDD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives

Version: HPD4 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive

Version: HPD2 (E) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD3 (E) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP and EG001200JWJNQ Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR and EG002400JWJNT Drives

Version: HPD5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD7 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPD8 (E) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives

Version: HPD1 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives

Version: HPD7 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive

Version: HPD3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FC SPL and EG0900FCSPN Drives

Version: HPD2 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives

Version: HPD5 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives

Version: HPD6 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG1800JEHMD Drive

Version: HPD6 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG1800JEMDB Drive

Version: HPD5 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive

Version: HPD7 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives

Version: HPD5 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives

Version: HPD7 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD4 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD4 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives

Version: HPD5 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives

Version: HPD6 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives

Version: HPD4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - EH0600JDYTN Drive

Version: HPD7 (F) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a data integrity risk where stale data is mistakenly used from cache.

Fixes a data integrity risk where stale data is returned on an unaligned overlapped write-read operation.

Fixes a data integrity risk during a sequential read and write workload when a recovered error is encountered, which could cause incomplete data to be read.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive

Version: HPD1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive

Version: HPD1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRD Drive

Version: HPD1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD5 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive

Version: HPD2 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue during unaligned write commands, only found in supplier ongoing lab testing. Includes additional fixes to improve error handling and reliability.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEML and MB4000JFEMN Drives

Version: HPD6 (F) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also includes emergency power off improvements.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEPA and MB4000JFEPB Drives

Version: HPD5 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB4000JEFNC and MB6000JEFND Drives

Version: HPD9 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives

Version: HPDB (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB4000JEXYA and MB6000JEXYB Drives

Version: HPD9 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000JEQUV and MB8000JEQVA Drives

Version: HPDB (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYYV Drive

Version: HPD2 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB8000JFECQ Drive

Version: HPD7 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive

Version: HPD3 (E) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JFWQ, MO003200JFWR, MO000960JFWT, MO001920JFWU and MO003840JFWV Drives

Version: HPD5 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives

Version: HPD3 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives

Version: HPD9 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (C) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives

Version: HPD8 (B) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VO007680JWCNK and VO015300JWCNL Drives

Version: HPD8 (B) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives

Version: HPD9 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VO1920JEUQQ Drive

Version: HPD3 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive

Version: HPD4 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive

Version: HPD2 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD3 (F) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP and EG001200JWJNQ Drives

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR and EG002400JWJNT Drives

Version: HPD5 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD7 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD4 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD4 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH0600JDYTN Drive

Version: HPD7 (F) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a data integrity risk where stale data is mistakenly used from cache.

Fixes a data integrity risk where stale data is returned on an unaligned overlapped write-read operation.

Fixes a data integrity risk during a sequential read and write workload when a recovered error is encountered, which could cause incomplete data to be read.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive

Version: HPD2 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue during unaligned write commands, found in supplier ongoing lab testing. Includes additional fixes to improve error handling and reliability.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives

Version: HPD6 (G) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also includes emergency power off improvements.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives

Version: HPDB (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000JEQUV and MB8000JEQVA Drives

Version: HPDB (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives

Version: HPD8 (F) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive

Version: HPD3 (F) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives

Version: HPD1 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA, EO001600JWTLCB Drives

Version: HPD7 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drive

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drive

Version: HPD2 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSPL and EG0900FCSPN Drives

Version: HPD2 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives

Version: HPD5 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives

Version: HPD6 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG1800JEHMD Drive

Version: HPD6 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG1800JEMDB Drive

Version: HPD5 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive

Version: HPD7 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives

Version: HPD5 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives

Version: HPD7 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives

Version: HPD5 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives

Version: HPD6 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives

Version: HPD4 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive

Version: HPD1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive

Version: HPD1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRD Drive

Version: HPD1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD5 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEPA and MB4000JFEPB Drives

Version: HPD5 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB4000JEFNC and MB6000JEFND Drives

Version: HPD9 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB4000JEXYA and MB6000JEXYB Drives

Version: HPD9 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYYV Drive

Version: HPD2 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB8000JFECQ Drive

Version: HPD7 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JFWFQ, MO003200JWFWR, MO000960JWFWT, MO001920JFWFU and MO003840JFWFW Drives

Version: HPD5 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JFPB, MO1600JFPC, EO0200JFPD, EO0400JEFPE and EO0800JFPF Drives

Version: HPD3 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives

Version: HPD9 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (C) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives

Version: HPD8 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives

Version: HPD8 (C) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives

Version: HPD9 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VO1920JEUQQ Drive

Version: HPD3 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive

Version: HPD4 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive

Version: HPD2 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD3 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP and EG001200JWJNQ Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR and EG002400JWJNT Drives

Version: HPD5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPL and EG0900FCSPN Drives

Version: HPD2 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives

Version: HPD5 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives

Version: HPD6 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD7 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG1800JEHMD Drive

Version: HPD6 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG1800JEMDB Drive

Version: HPD5 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive

Version: HPD7 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives

Version: HPD5 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives

Version: HPD7 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD4 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD4 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives

Version: HPD5 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives

Version: HPD6 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE

Drives

Version: HPD4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EH0600JDYTN Drive

Version: HPD7 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a data integrity risk where stale data is mistakenly used from cache.

Fixes a data integrity risk where stale data is returned on an unaligned overlapped write-read operation.

Fixes a data integrity risk during a sequential read and write workload when a recovered error is encountered, which could cause incomplete data to be read.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive

Version: HPD1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive

Version: HPD1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRD Drive

Version: HPD1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD5 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive

Version: HPD2 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue during unaligned write commands, found in supplier ongoing lab testing. Includes additional fixes to improve error handling and reliability.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives

Version: HPD6 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also includes emergency power off improvements.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEPA and MB4000JFEPB Drives

Version: HPD5 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB4000JEFNC and MB6000JEFND Drives

Version: HPD9 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives

Version: HPDB (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB4000JEXYA and MB6000JEXYB Drives

Version: HPD9 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000JEQUV and MB8000JEQVA Drives

Version: HPDB (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYYV Drive

Version: HPD2 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives

Version: HPD4 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB8000JFECQ Drive

Version: HPD7 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPD8 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.,

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive

Version: HPD3 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives

Version: HPD5 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives

Version: HPD1 (C) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives

Version: HPD3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives

Version: HPD9 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (B) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives

Version: HPD8 (B) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCB and EO001600JWTCB Drives

Version: HPD7 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019

Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives

Version: HPD8 (B) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00092491en_us

Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives

Version: HPD9 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VO1920JEUQQ Drive

Version: HPD3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives

Version: HPG6 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives

Version: HPG1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB002000GWFGH and MB001000GWFGF Drives

Version: HPG3 (F) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBYL Drives

Version: HPG8 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive

Version: HPG2 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue during unaligned write commands, only found in supplier ongoing lab testing. Includes additional fixes to improve error handling and reliability.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG6 (B) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive

Version: HPG2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives

Version: HPG4 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives

Version: HPG4 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLW Drives

Version: HPG4 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives

Version: HPG6 (G) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB4000GEFNA and MB6000GEFNB Drives

Version: HPG6 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB4000GEQNH and MB6000GEQNK Drives

Version: HPGB (G) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000GEBTP Drive

Version: HPG4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000GEQUT and MB8000GEQUU Drives

Version: HPGB (G) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the

wrong location. This issue was only found during supplier ongoing reliability testing.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000GEXXV Drive

Version: HPG2 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYYU Drive

Version: HPG2 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives

Version: HPG4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MB8000GFECR Drive

Version: HPG6 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG2 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MK003840GWHTe Drive

Version: HPG6 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MK0960GECQK Drive

Version: HPG3 (I) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Firmware fixes intermittent data corruption issue associated with unaligned sequential write operations.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MM1000GEFQV and MM2000GEFRA Drives

Version: HPG8 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive

Version: HPG5 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives

Version: HPGE (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives

Version: HPG1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives

Version: HPGE (C) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives

Version: HPG5 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a rare link loss issue and adds enhancements for drive reliability.

After HPG5 firmware is downloaded to the drive, the new HPG5 firmware will be active on the drive.

The new drive bootloader code will be activated after the next drive power cycle.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00072768en_us

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives

Version: HPG3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG1 (C) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives

Version: HPG1 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives

Version: HPG1 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - VR000150GWEPP and VR000480GWEPR Drives

Version: HPG1 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes an issue which caused the drive to become non-functional.

Fixes VPD Log D0h reported drive Sanitize times.

Adds support for Security Log Page BBh.

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for Linux (x64) - XP0120GFJSL and XP0240GFJSN Drives

Version: HPS4 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for RHEL 8.2

Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPH Drives

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. In AHCI configuration only offline flashing is supported. Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWFK and MB002000GFWFL Drives

Version: HPG6 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB002000GWFGH and MB001000GWFGF Drives

Version: HPG3 (F) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive

Version: HPG1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives

Version: HPG8 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB006000GKGR Drive

Version: HPG1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive

Version: HPG1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFF Drive

Version: HPG2 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue during unaligned write commands, found in supplier ongoing lab testing.

Includes additional fixes to improve error handling and reliability.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG6 (C) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives

Version: HPG4 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives

Version: HPG4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT, MB3000GCWLU and MB4000GCWLW Drives

Version: HPG4 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives

Version: HPG6 (G) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

Online firmware update fails when drives are connected behind AHCI controller.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB4000GEFNA and MB6000GEFNB Drives

Version: HPG6 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB4000GEQNH and MB6000GEQNK Drives

Version: HPGB (G) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000GEBTP Drive

Version: HPG4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives

Version: HPGB (G) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was only found during supplier ongoing reliability testing.

Online firmware update fails when drives are connected behind AHCI controller.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000GEXXV Drive

Version: HPG2 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYYU Drive

Version: HPG2 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives

Version: HPG4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MB8000GFECR Drive

Version: HPG6 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MK003840GWHITE Drive

Version: HPG6 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MK0960GECQK Drive

Version: HPG3 (J) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Firmware fixes intermittent data corruption issue associated with unaligned sequential write operations.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MM1000GEFQV and MM2000GEFRA Drives

Version: HPG8 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive

Version: HPG5 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives

Version: HPGE (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives

Version: HPG1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives

Version: HPGE (E) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPP Drives

Version: HPG5 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a rare link loss issue and adds enhancements for drive reliability.

After HPG5 firmware is downloaded to the drive, the new HPG5 firmware will be active on the drive.

The new drive bootloader code will be activated after the next drive power cycle.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00072768en_us

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives

Version: HPG3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG1 (D) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive

Version: HPG2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives

Version: HPG1 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives

Version: HPG1 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - VR000150GWEPP and VR000480GWEPR Drives

Version: HPG1 (E) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a timing issue which can cause the drive to become non-functional.

Fixes VPD Log D0h reported drive Sanitize times.

Adds support for Security Log Page BBh.

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for VMware ESXi - XP0120GFJSL and XP0240GFJSN Drives

Version: HPS4 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for VMware 7.0

Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives

Version: HPG6 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB002000GWFGH and MB001000GWFGF Drives

Version: HPG3 (E) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives

Version: HPG8 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive

Version: HPG2 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue during unaligned write commands, found in supplier ongoing lab testing. Includes additional fixes to improve error handling and reliability.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG6 (B) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive

Version: HPG2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives

Version: HPG4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives

Version: HPG4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives

Version: HPG4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives

Version: HPG6 (F) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB4000GEFNA and MB6000GEFNB Drives

Version: HPG6 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB4000GEQNH and MB6000GEQNK Drives

Version: HPGB (F) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.

The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GEBTP Drive

Version: HPG4 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives

Version: HPGB (F) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was only found during supplier ongoing reliability testing.

Online firmware update fails when drives are connected behind AHCI controller.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GEXXV Drive

Version: HPG2 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYYU Drive

Version: HPG2 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives

Version: HPG4 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MB8000GFECR Drive

Version: HPG6 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Error Recovery Optimization Enhancements

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG2 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MK003840GWHITE Drive

Version: HPG6 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MK0960GECQK Drive

Version: HPG3 (I) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.,

Fixes

Firmware fixes intermittent data corruption issue associated with unaligned sequential write operations.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MM1000GEFQV and MM2000GEFRA Drives

Version: HPG8 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.,

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive

Version: HPG5 (C) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives

Version: HPGE (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives

Version: HPG1 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives

Version: HPGE (C) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fix to issue in bootloader download during power loss.

Change IDF Word 106 report 4K TU for 4/8TB drives to align with Microsoft SQL requirement.

Improvements to error exception.

Improvements to Secure lock fix during multi-thread read tests with high freq. power cycling.

HPGE includes a fix to improve the ability of the drive firmware to find and repair errors on the drive.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives

Version: HPG5 (C) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a rare link loss issue and adds enhancements for drive reliability.

After HPG5 firmware is downloaded to the drive, the new HPG5 firmware will be active on the drive.

The new drive bootloader code will be activated after the next drive power cycle.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpsc/doc/public/display docId=emr_na-a00072768en_us

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives

Version: HPG3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives

Version: HPG3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Corrects a potential unresponsiveness during a Secure Erase operation, and fixes an incorrect error reporting issue during certain SATA protocol transfers.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG1 (C) (Optional)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive

Version: HPG2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive

Version: HPG2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives

Version: HPG1 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives

Version: HPG1 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - VR000150GWEPP and VR000480GWEPR Drives

Version: HPG1 (D) (Critical)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

Fixes a timing issue which can cause the drive to become non-functional.

Fixes VPD Log D0h reported drive Sanitize times.

Adds support for Security Log Page BBh.

Enhancements

Added support for Windows Server 2019.

Online HDD/SSD Flash Component for Windows (x64) - XP0120GFJSL and XP0240GFJSN Drives

Version: HPS4 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or a ProLiant host bus adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Enhancements

Added support for Windows Server 2019.

Online ROM Flash Component for ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10

Version: 3.00 (Critical)

Prerequisites

* Back up your data before initiating a firmware update.

Fixes

The following issues have been fixed in Smart Array controller firmware v3.00:

* Background surface scan might not repair media errors on 12G SAS drives in RAID 1, 5, 10, and 50 logical drives.

* In some I/O workloads, the file system or application might read incorrect data from encrypted RAID 0 (with two or more physical drives) or RAID 10/10ADM (with four or more physical drives) logical drives.

* A controller might hang when a Test Unit Ready command fails during SSD logical drive Rapid Parity Initialization.

- * During a rebuild and extreme simultaneous host I/O writes, the rebuild operation might use old data, resulting in subsequent host reads that might return old data.
- * A host might read incorrect data after background parity initialization finishes on a logical drive on a single array with multiple logical drives.
- * A controller lockup issue might occur during the repair of an unrecoverable read error (URE) on a RAID 5 volume.
- * A controller lockup issue might occur during SmartCache error handling.
- * A controller lockup issue might occur during controller boot when SmartCache is enabled.
- * A file system or application might read incorrect data when a coalesced host request encounters a fatal error.
- * A failed drive installed during controller boot is not identified as a failed drive.
- * The failed drive status LED is not illuminated when a good drive is replaced with a failed drive in a backplane.
- * In configurations with backplanes, a failed drive installed as a replacement for a previously configured RAID volume is not identified as a failed drive.
- * A rebuild of a logical drive created from SSD drives fails to start within 1,200 seconds.
- * A performance drop during 16k to 256k sequential reads with low queue depth occurs on a logical drive with cache enabled.
- * A controller lockup issue might occur during a simultaneous host write and background cache flush operation.
- * Incorrect connector information is displayed for SATA drives after certain physical events in a dual I/O module enclosure configuration.
- * A failed drive that is physically present in a drive bay is not reported correctly.
- * Devices might drop out of a configuration after multiple create or delete drive zone group commands are issued.
- * The drive status LED does not flash during sanitize operations if drives are attached to an expander.
- * Cache disable status is not updated correctly when backup power source charging times out.
- * The clear configuration command might not clear the configuration if SmartCache is enabled and the system was previously shut down ungracefully.
- * The clear configuration command fails if a SmartCache volume has

multiple UREs within a SmartCache page block size.

- * A controller lockup issue might occur when toggling a path to an enclosure in a dual domain configuration.

- * The controller runs in survival mode if a temperature sensor is not detected.

- * The clear configuration command might report failures when it encounters an installed drive with failed status.

- * A performance drop occurs during sequential workloads.

- * A controller failure might occur when running concurrent I/O to unassigned drives and drives in a RAID logical drive.

- * After a reboot, a bad drive might prevent controller discovery or operating system startup.

- * A host request is incorrectly returned as Failed when a failed drive in a degraded volume is replaced.

- * Modifying the spare configuration under an active spare rebuild causes the rebuild process to stop.

- * Incorrect device location reporting occurs when direct-attach drives are not attached to a backplane and an enclosure management schema is not defined.

- * RAID volume configuration settings are not applied when a disk drive transitions from unassigned to RAID usage during runtime.

- * A RAID volume with a failed drive reappears after a clear configuration operation completes and the system is rebooted.

- * A controller might hang during a SmartCache flush task that encounters multiple unrecoverable media errors (UREs).

- * A response of all zeros is sent for ATA PASSTHROUGH commands, such as SMART READ DATA, through Out of Band (OOB) host transport.

Enhancements

The following enhancements are part of the Smart Array controller firmware v3.00:

- * After a firmware upgrade and reboot, the background parity initialization process starts for logical drives with incomplete or failed background parity initialization status.

- * Previously, background surface scans for data consistency could wait up to 14 days between runs. Surface scan now restarts immediately when a consistency check fails. When no surface scan issues are found, surface scan maintains the 14 day waiting period.

Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers

Version: 4.22 (A) (Recommended)

Important Note!

Power cycle / cold reboot is required if firmware is upgraded from version 1.31 or earlier.

Enhancements

Added ESXi 7.0 support.

Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10

Version: 3.00 (Critical)

Prerequisites

* Back up your data before initiating a firmware update.

Fixes

The following issues have been fixed in Smart Array controller firmware v3.00:

- * Background surface scan might not repair media errors on 12G SAS drives in RAID 1, 5, 10, and 50 logical drives.
- * In some I/O workloads, the file system or application might read incorrect data from encrypted RAID 0 (with two or more physical drives) or RAID 10/10ADM (with four or more physical drives) logical drives.
- * A controller might hang when a Test Unit Ready command fails during SSD logical drive Rapid Parity Initialization.
- * During a rebuild and extreme simultaneous host I/O writes, the rebuild operation might use old data, resulting in subsequent host reads that might return old data.
- * A host might read incorrect data after background parity initialization finishes on a logical drive on a single array with multiple logical drives.
- * A controller lockup issue might occur during the repair of an unrecoverable read error (URE) on a RAID 5 volume.
- * A controller lockup issue might occur during SmartCache error handling.
- * A controller lockup issue might occur during controller boot when SmartCache is enabled.
- * A file system or application might read incorrect data when a coalesced host request encounters a fatal error.

- * A failed drive installed during controller boot is not identified as a failed drive.
- * The failed drive status LED is not illuminated when a good drive is replaced with a failed drive in a backplane.
- * In configurations with backplanes, a failed drive installed as a replacement for a previously configured RAID volume is not identified as a failed drive.
- * A rebuild of a logical drive created from SSD drives fails to start within 1,200 seconds.
- * A performance drop during 16k to 256k sequential reads with low queue depth occurs on a logical drive with cache enabled.
- * A controller lockup issue might occur during a simultaneous host write and background cache flush operation.
- * Incorrect connector information is displayed for SATA drives after certain physical events in a dual I/O module enclosure configuration.
- * A failed drive that is physically present in a drive bay is not reported correctly.
- * Devices might drop out of a configuration after multiple create or delete drive zone group commands are issued.
- * The drive status LED does not flash during sanitize operations if drives are attached to an expander.
- * Cache disable status is not updated correctly when backup power source charging times out.
- * The clear configuration command might not clear the configuration if SmartCache is enabled and the system was previously shut down ungracefully.
- * The clear configuration command fails if a SmartCache volume has multiple UREs within a SmartCache page block size.
- * A controller lockup issue might occur when toggling a path to an enclosure in a dual domain configuration.
- * The controller runs in survival mode if a temperature sensor is not detected.
- * The clear configuration command might report failures when it encounters an installed drive with failed status.
- * A performance drop occurs during sequential workloads.
- * A controller failure might occur when running concurrent I/O to unassigned drives and drives in a RAID logical drive.
- * After a reboot, a bad drive might prevent controller discovery or operating system startup.
- * A host request is incorrectly returned as Failed when a failed drive in a degraded volume is replaced.

- * Modifying the spare configuration under an active spare rebuild causes the rebuild process to stop.
- * Incorrect device location reporting occurs when direct-attach drives are not attached to a backplane and an enclosure management schema is not defined.
- * RAID volume configuration settings are not applied when a disk drive transitions from unassigned to RAID usage during runtime.
- * A RAID volume with a failed drive reappears after a clear configuration operation completes and the system is rebooted.
- * A controller might hang during a SmartCache flush task that encounters multiple unrecoverable media errors (UREs).
- * A response of all zeros is sent for ATA PASSTHROUGH commands, such as SMART READ DATA, through Out of Band (OOB) host transport.

Enhancements

The following enhancements are part of the Smart Array controller firmware v3.00:

- * After a firmware upgrade and reboot, the background parity initialization process starts for logical drives with incomplete or failed background parity initialization status.
- * Previously, background surface scans for data consistency could wait up to 14 days between runs. Surface scan now restarts immediately when a consistency check fails. When no surface scan issues are found, surface scan maintains the 14 day waiting period.

Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10

Version: 3.00 (Critical)

Prerequisites

- * Back up your data before initiating a firmware update.

Fixes

The following issues have been fixed in Smart Array controller firmware v3.00:

- * Background surface scan might not repair media errors on 12G SAS drives in RAID 1, 5, 10, and 50 logical drives.
- * In some I/O workloads, the file system or application might read incorrect data from encrypted RAID 0 (with two or more physical drives) or RAID 10/10ADM (with four or more physical drives) logical drives.

- * A controller might hang when a Test Unit Ready command fails during SSD logical drive Rapid Parity Initialization.
- * During a rebuild and extreme simultaneous host I/O writes, the rebuild operation might use old data, resulting in subsequent host reads that might return old data.
- * A host might read incorrect data after background parity initialization finishes on a logical drive on a single array with multiple logical drives.
- * A controller lockup issue might occur during the repair of an unrecoverable read error (URE) on a RAID 5 volume.
- * A controller lockup issue might occur during SmartCache error handling.
- * A controller lockup issue might occur during controller boot when SmartCache is enabled.
- * A file system or application might read incorrect data when a coalesced host request encounters a fatal error.
- * A failed drive installed during controller boot is not identified as a failed drive.
- * The failed drive status LED is not illuminated when a good drive is replaced with a failed drive in a backplane.
- * In configurations with backplanes, a failed drive installed as a replacement for a previously configured RAID volume is not identified as a failed drive.
- * A rebuild of a logical drive created from SSD drives fails to start within 1,200 seconds.
- * A performance drop during 16k to 256k sequential reads with low queue depth occurs on a logical drive with cache enabled.
- * A controller lockup issue might occur during a simultaneous host write and background cache flush operation.
- * Incorrect connector information is displayed for SATA drives after certain physical events in a dual I/O module enclosure configuration.
- * A failed drive that is physically present in a drive bay is not reported correctly.
- * Devices might drop out of a configuration after multiple create or delete drive zone group commands are issued.
- * The drive status LED does not flash during sanitize operations if drives are attached to an expander.
- * Cache disable status is not updated correctly when backup power source charging times out.
- * The clear configuration command might not clear the configuration if SmartCache is enabled and the system was previously shut down

ungracefully.

- * The clear configuration command fails if a SmartCache volume has multiple UREs within a SmartCache page block size.

- * A controller lockup issue might occur when toggling a path to an enclosure in a dual domain configuration.

- * The controller runs in survival mode if a temperature sensor is not detected.

- * The clear configuration command might report failures when it encounters an installed drive with failed status.

- * A performance drop occurs during sequential workloads.

- * A controller failure might occur when running concurrent I/O to unassigned drives and drives in a RAID logical drive.

- * After a reboot, a bad drive might prevent controller discovery or operating system startup.

- * A host request is incorrectly returned as Failed when a failed drive in a degraded volume is replaced.

- * Modifying the spare configuration under an active spare rebuild causes the rebuild process to stop.

- * Incorrect device location reporting occurs when direct-attach drives are not attached to a backplane and an enclosure management schema is not defined.

- * RAID volume configuration settings are not applied when a disk drive transitions from unassigned to RAID usage during runtime.

- * A RAID volume with a failed drive reappears after a clear configuration operation completes and the system is rebooted.

- * A controller might hang during a SmartCache flush task that encounters multiple unrecoverable media errors (UREs).

- * A response of all zeros is sent for ATA PASSTHROUGH commands, such as SMART READ DATA, through Out of Band (OOB) host transport.

Enhancements

The following enhancements are part of the Smart Array controller firmware v3.00:

- * After a firmware upgrade and reboot, the background parity initialization process starts for logical drives with incomplete or failed background parity initialization status.

- * Previously, background surface scans for data consistency could wait up to 14 days between runs. Surface scan now restarts immediately when a consistency check fails. When no surface scan issues are found, surface scan maintains the 14 day waiting period.

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)

Version: 2020.09.01 (Recommended)

Important Note!

Release Notes:

HPE Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

Go to <http://www.hpe.com/support/manuals>

Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter	8Gb	12.60a4	2.10X6	12.6.284.0	12.6.302.0
HPE 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter	8Gb	12.60a4	2.10X6	12.6.284.0	12.6.302.0
HPE 84E 8Gb Quad Port Fibre Channel Host Bus Adapter	8Gb	12.60a4	2.10X6	12.6.284.0	12.6.302.0
HPE SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1100E Quad Port 16Gb Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0

Fibre Channel Host Bus Adapter					
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0

Prerequisites

Firmware updates may be accomplished using the inbox or Out of Box (OOB) drivers. Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The HPE supplied enablement kit must be installed prior to this firmware component being identified by SUM for deployment.

The OOB driver and enablement kit are available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download>.

The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

Install the FC Driver Kit, reboot, and then install the Enablement Kit.

Additional requirements:

Environment must be running the syslog daemon for the flash engine to run

Environment must have 32-bit netlink library (libnl.so) installed for component to be able to discover Emulex Host Bus Adapters(HBAs)

Enhancements

We have separate components to update fibre channel and converged network adapters. This is a fibre channel update component.

Contains:

32 Gb universal boot 12.6.275.12(EFI 12.6.275.7 BOOT BIOS 12.6.271.0 Firmware 12.6.275.12)

16/32 Gb universal boot 12.6.275.12(EFI 12.6.275.7 BOOT BIOS 12.6.271.0 Firmware 12.6.275.12)

16 Gb universal boot 12.6.275.12(EFI 12.6.275.7 BOOT BIOS 12.6.271.0 Firmware 12.6.275.12)

8 Gb HBA Standup firmware 2.10X6

8 Gb standup universal boot image 12.60a4(12.6.302.0 BIOS, 12.6.284.0 UEFI)

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

HPE 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter

HPE 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter

HPE 84E 8Gb Quad Port Fibre Channel Host Bus Adapter
HPE SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter
HPE SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter
HPE SN1100E 16Gb Dual Port Fibre Channel Host Bus Adapter
HPE SN1100E 16Gb Single Port Fibre Channel Host Bus Adapter
HPE SN1100E Quad Port 16Gb Fibre Channel Host Bus Adapter
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2012 R2/2016/2019 x64

Version: 2020.09.01 (Recommended)

Important Note!

Release Notes:

HPE Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

Go to <http://www.hpe.com/support/manuals>

Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE 81E 8Gb Single Port PCIe Fibre Channel Host Bus Adapter	8Gb	12.60a4	2.10X6	12.6.284.0	12.6.302.0
HPE 82E 8Gb Dual Port PCIe Fibre Channel Host Bus Adapter	8Gb	12.60a4	2.10X6	12.6.284.0	12.6.302.0
HPE 84E 8Gb Quad Port Fibre	8Gb	12.60a4	2.10X6	12.6.284.0	12.6.302.0

Channel Host Bus Adapter					
HPE SN1000E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0
HPE SN1000E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.6.275.12	12.6.275.12	12.6.275.7	12.6.271.0