

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 7.40 12

Readme

2024年1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る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
2024年1月	初版

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

SPH のバージョン及び適用機種/適用 OS の組み合わせについては、「[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。

3.1 適用機種

- HA8000V/DL360 Gen11 (U54)
- HA8000V/DL380 Gen11 (U54)
- HA8000V/ML350 Gen11 (U54)
- HA8000V/DL320 Gen11 (U63)
- HA8000V/DL560 Gen11 (U59)

3.2 適用 OS

- Microsoft® Windows Server® 2022
- Microsoft® Windows Server® 2019
- VMware ESXi™ 8.0
- 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

『3 適用機種及びOS』を参照してください。

(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™ 8.0

(2) 追加サポートデバイス

➤ HPE IB NDR 1p OSFP MCX75310AAS Adptr

(3) サポート除外機種及びOS

- サポート除外機種

なし

- サポート除外OS

➤ Red Hat® Enterprise Linux® Server 8.6

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)]-[アドバンスドオプション(Advanced Options)]から「アドバンスドオプション(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、以下の表を参照の上、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 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

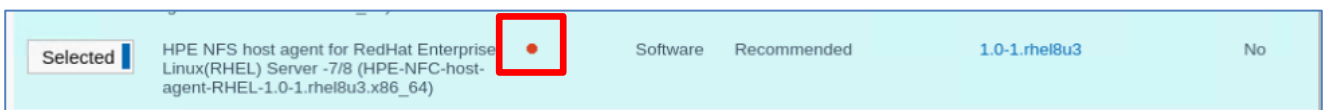
Linux 環境で利用するパッケージには、特定の OS ライブラリを前提とするものがあります。そのパッケージを適用する際、前提とする OS ライブラリが事前にインストールされていない場合、インベントリ完了後、または展開(Deploy)完了後に依存関係エラーとなります。

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のエラー表示】

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。

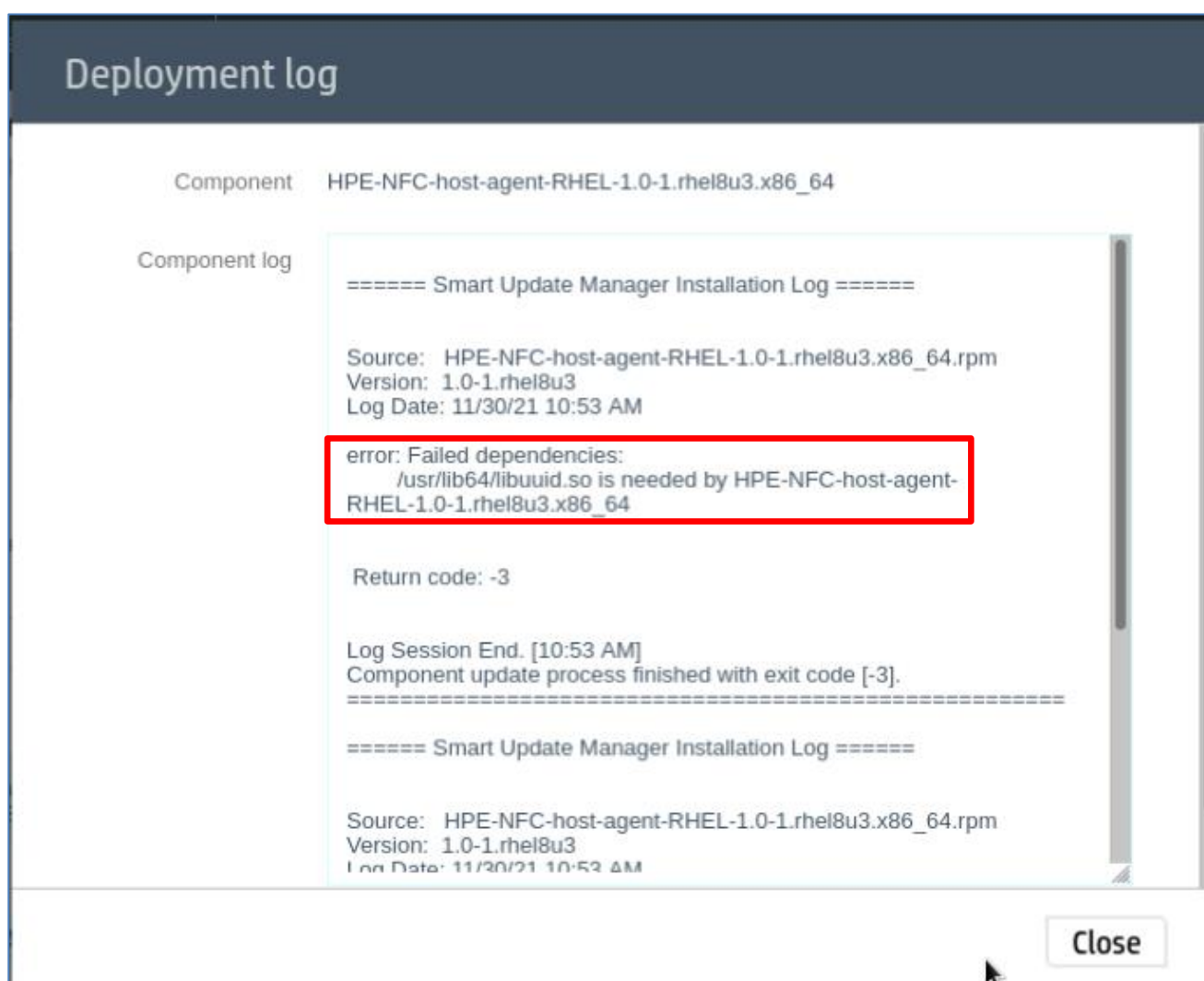
【展開(Deploy)完了後のエラー表示】

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、“libuuid.so”を示しています。

(6) iLO レポジトリを利用したアップデートについて

コンポーネントの形式によって、iLO レポジトリを使用した iLO 経由でコンポーネントが展開(Deploy)されます。iLO レポジトリにアップロードされたコンポーネントは、インストールキューに追加され順次展開されていきます。

この時、キューに追加された途中のコンポーネントで展開エラーが発生した場合、以降のコンポーネントは展開保留状態となります。その状態のコンポーネントがキューに存在すると、以降 iLO レポジトリを利用したアップデートができません。

次に示すエラー状態を参照の上、上記状態と判断できる場合は、インストールキューに残っているコンポーネントをすべて削除し、再度 SPH を適用してください。

【エラーが発生した場合のインストールキューの状態】

iLO WEB インタフェースの[ファームウェア & OS ソフトウェア]>[インストールキュー]ページを参照します。

ファームウェアアップデート
直近のファームウェアのアップデートまたはアップロードする試みは成功しませんでした。有効な署名付きフラッシュファイルを使用していることを確認して、もう一度試してください。コンポーネントをインストールする場合は、まずそれをiLOレポジトリにアップロードしてから、それをインストールキューに追加してください。

ファームウェア & OSソフト... - インストールキ...
ファームウェア ソフトウェア メンテナンスウィンドウ iLOレポジトリ インストールセット
インストールキュー

iLO日付/時刻(UTC): 2021-12-01 13:09

状態	名前	開始	失効		
完了	Broadcom NetXtreme-E adapters 218.0.166.0	N/A	なし		
完了	HPE SR932i-p and SR416i-a Gen10 Plus Controllers 03.01.04.072	N/A	なし		
完了	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-po...	N/A	なし		
例外	Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-...	N/A	なし		
保留	Mellanox Firmware Package(FWPKG) for HPE Ethernet 100Gb 1-po...	前のタスクの実行後	なし		

すべて削除

ファームウェアのアップデート
iLOレポジトリにアップロード
キューに追加

「例外」及び「保留」状態となっているパッケージが表示されている場合、「全て削除」ボタンをクリックして、キューに登録されたコンポーネントを削除してください。

(7) SUM 実行でのインベントリ失敗時の対応について

SUM は、アップデートに必要となるデバイスならびにソフトウェア等の情報を iLO 経由で取得します。iLO の状態により、まれに情報取得できないことがあり、以下に示すようにインベントリに失敗します。

【インベントリ失敗時の表示例】



SUM を再実行しても本エラーが解消されない場合は、下記のいずれかの手順を実施してください。

- (1) iLO の再起動（リセット）を実施してください。詳細は『iLO 6 x.xx ユーザーガイド』（※）の「iLO の再起動（リセット）」を参照してください。『iLO 6 x.xx ユーザーガイド』は、「[日立アドバンスドサーバー HA8000V シリーズ ホームページ](#)」に掲載されている「製品マニュアル」よりダウンロードしてください。
- (2) オンラインアップデート(OS 稼働中のアップデート)の場合、装置の再起動を実施してください。
- (3) 装置の給電を停止(電源ケーブルの抜去や UPS の出力停止等)後、10 秒待った後に給電を再開してください。

※x.xx の部分にはバージョンが入ります。

(8) オンライン SUM 実行中の OS 再起動について

オンラインにて SUM 実行中に、対象装置が自動的に OS 再起動することがあります。この場合、いくつかパッケージがアップデートされていない可能性がありますので、再度 SUM を実行して、残りのパッケージをアップデートしてください。

全てアップデートされているかの確認方法は、『5.3 (1) ファームウェア/ドライバの依存関係について』記載の手順を参考にしてください。

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、『6.2.10 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 を使った OS のインストール又は SPH 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 操作用の 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。以下を参照して 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『6.2.8 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 2019	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019
2	Windows Server 2022	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022

(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 より以下のオプションで 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 より以下のオプションで 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 VMware をご使用にあたっての注意事項

5.7.1 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、『5.7.2 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、以下の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。

5.7.2 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。

【注意】

本 SPH では、iSUT が更新対象としてインベントリ結果に表示されません。iSUT がインストール済みで、更新が必要な場合も、以降記載の手順でインストールして下さい。

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(zip ファイル)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™ 7.0	cp057456.zip	sutComponent:701.4.5.0.*.zip
2	VMware ESXi™ 8.0	cp057459.zip	sutComponent:800.4.5.0.*.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) 次の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) 次のコマンドを実行し、iSUT を AutoDeployReboot モードに設定します。
- (11) 作業終了後、OnDemand モードに変更します。iSUT を AutoDeployReboot モードに設定すると、iSUT が常駐し常時稼働し続けます。アップデート作業時以外は iSUT の稼働は不要ですので、常駐解除することを推奨します。iSUT を OnDemand モードに設定するには、次のコマンドを実行してください。

```
sut -set mode=ondemand
```

5.7.3 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

- (1) iLO の認証情報設定

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。

①iSUT への認証情報設定

②iLO 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)

①iSUT 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: <*****>
```

【注意】

認証情報の設定は、iSUT が OnDemand モードの状態で行ってください。AutoDeployReboot モードで設定した場合、認証情報が有効にならない場合があります。

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。

(2) iSUT の設定確認・変更

VM ホスト上で "sut -status" を実行し、iSUT の設定が "EnableiLOQueuedUpdates=true"となっていることを確認してください。"false"の場合は、VM ホスト上で以下を実行してください。

```
sut -set enableiloqueuedupdates=true
```

5.7.4 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】

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)

5.7.5 Agentless Management Bundle Smart Component(amsdv) のインストール

システム装置 Gen11 の VMware システムに対して、iLO Web コンソール上のドライバ情報の表示および SPH/SUM を使用したドライバのアップデート(『リモートオンライン』展開モード)を行うには、ESXi ホストに Agentless Management Bundle Smart Component(以下、amsdv) をインストールする必要があります。

ESXi ホストに amsdv 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) amsdv 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、amsdv のオフラインバンドル(zip ファイル)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™ 7.0 Update3 (Build 20842708)	cp057940.zip	amsdvComponent:701.11.5.0.*.zip
2	VMware ESXi™ 8.0 GA		

- (2) 取り出した amsdv のオフラインバンドルを VMware ESXi の「datastore1」直下へ転送してください。
- (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) 次の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) 次のコマンドを実行し、amsdv が running 表示されていることを確認してください。

```
/etc/init.d/amsdv status
```

[表示例]

```
amsdv-smadvrev is running xxxxxxxxxxx x
amsdv-ahsdv is running xxxxxxxxxxx x
amsdv-amsdv is running xxxxxxxxxxx x
amsdv-smadv is running xxxxxxxxxxx x
```

5.8 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。

5.9 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、下記の制限事項があります。

5.9.1 Intel 製ネットワークアダプタのファームウェアアップデートについて

Intel 製ネットワークアダプタのファームウェアアップデートを行う場合、ファームウェアアップデート後に再起動を行っても、サブ電源で動作する機能は動作し続けているため、アップデートが完全には反映されません。

アップデート後に電源ケーブルを抜いて電源を 5 秒以上切断してから、電源ケーブルを差しなおし電源を入れなおしてください。電源ケーブルを抜き差しする必要があるため、リモートでは実施できません。

本制限事項の最新の状況並びに具体的な対象アダプタの情報については、アドバイザリ：「特定のネットワークアダプタについてファームウェアアップデート後に電源ケーブルの抜き差しが必要になる」(ADV-2019-0019)を参照してください。

5.10 RAID コントローラ環境での OS セットアップの注意事項

5.10.1 ドライバの適用について

下表記載の RAID コントローラご利用環境で、Windows または RHEL の新規・再セットアップの際には、SPH を適用する前に SPH に収録された「6.2.6 Driver - Storage Controller」記載の各 OS に対応した RAID コントローラドライバを適用してください。

ドライバの適用方法は、「HA8000V Gen11 重要事項および読替ガイド」の[システム装置のセットアップ]-

[OS のインストール]を参照して下さい。

形名(*1)	製品名	Device
TQ-R□□-P47184-B21	SR932i-p Gen11 コントローラ	HPE SR932i-p Gen11 24G Controller Kit
TQ-R□□-P47789-B21	MR216i-o Gen11 コントローラ	HPE MR216i-o Gen11 12G Controller Kit
TQ-R□□-P47785-B21	MR216i-p Gen11 コントローラ	HPE MR216i-p Gen11 12G Controller Kit
TQ-R□□-P58335-B21	MR408i-o Gen11 コントローラ	HPE MR408i-o Gen11 SPDM Storage Cntrl
TQ-R□□-P47781-B21	MR416i-o Gen11 コントローラ	HPE MR416i-o Gen11 12G Controller Kit
TQ-R□□-P47777-B21	MR416i-p Gen11 コントローラ	HPE MR416i-p Gen11 12G Controller Kit

(*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 MegaRAID Storage Administrator のインストールについて

本 SPH 収録の MegaRAID Storage Administrator(以降 MRSA)アップデートコンポーネントを SUM による適用時に OS 再起動が発生することがあります。本問題を回避するために、SPH 適用前に以下のインストール手順を参照し、MRSA を個別にインストールしてください。

- (1) 『6.2.22 Software - System Management』記載の表より、「HPE MegaRAID Storage Administrator for Windows 64-bit」の「Package filename」欄記載のファイル名を確認し、SPH の「packages」ディレクトリより当該ファイルを任意のディレクトリに取り出してください。
- (2) 取り出したパッケージファイルを実行してください。「パッケージセットアップ」ダイアログが表示されるので、「インストール」ボタンを選択します。
- (3) 続いて「セットアップ」ダイアログが表示されるので、「インストール」ボタンを選択します。
- (4) 「インストーションは正常に完了しました。」と表示されることを確認し、「閉じる」ボタンを選択します。

【注意】

MRSA は以下に示す MegaRAID コントローラ対応のユーティリティです。以下のアダプタが搭載されていない場合、MRSA をインストールする必要はありません。

形名(*1)	製品名	Device
TQ-R□□-P47789-B21	MR216i-o Gen11 コントローラ	HPE MR216i-o Gen11 12G Controller Kit
TQ-R□□-P47785-B21	MR216i-p Gen11 コントローラ	HPE MR216i-p Gen11 12G Controller Kit
TQ-R□□-P58335-B21	MR408i-o Gen11 コントローラ	HPE MR408i-o Gen11 SPDM Storage Cntrl
TQ-R□□-P47781-B21	MR416i-o Gen11 コントローラ	HPE MR416i-o Gen11 12G Controller Kit
TQ-R□□-P47777-B21	MR416i-p Gen11 コントローラ	HPE MR416i-p Gen11 12G Controller Kit

(*1)：□には製品構成などにより異なった英数字が入ります。

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	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】

- BCM 5719 1Gb 4p BASE-T Adptr
- BCM 5719 1Gb 4p BASE-T OCP Adptr
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

(1) 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
```

この時、ログイン画面が表示された場合には、SUM 起動時にご使用の(ログインしていた)OS ユーザ名/パスワードを入力してください。

なお、SUM の詳細な操作方法は、「[日立アドバンスドサーバ HA8000V シリーズ ホームページ](#)」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。

Category 一覧

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- [BIOS - System ROM](#)
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- [Software - Lights-Out Management](#)
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- [Software - Storage Fibre Channel](#)
- [Software - System Management](#)

6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1	Integrated Smart Update Tools 4.5.0 for ESXi 7.0	cp057456.zip	-	2023.09.00	701.4.5.0.9-1OEM.701.0.0.16850804	更新
2	Integrated Smart Update Tools 4.5.0 for ESXi 8.0	cp057459.zip	-	2023.09.00	800.4.5.0.22-1OEM.800.1.0.20613240	新規追加
3	Integrated Smart Update Tools for Windows x64	cp057442.exe	-	4.5.0.0	4.5.0.0	更新

6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
4	Online ROM Flash Component for Windows x64 - System ROM U54	cp058763.exe	System BIOS - U54	1.46_09-26-2023	v1.46 (09/26/2023)	更新
5	Online ROM Flash Component for Windows x64 - System ROM U59	cp058766.exe	System BIOS - U59	1.46_09-26-2023	v1.46 (09/26/2023)	更新
6	Online ROM Flash Component for Windows x64 - System ROM U63	cp058736.exe	System BIOS - U63	1.46_09-26-2023	v1.46 (09/26/2023)	更新
7	Online ROM Flash Component for Windows x64 - System ROM U65	cp057054.exe	System BIOS - U65	1.40_10-18-2023	v1.40 (10/18/2023)	新規追加
8	ROM Flash Firmware Package - System ROM U54	OEM.U54_1.46_09_26_2023.fwpkg	System BIOS - U54	1.46_09-26-2023	v1.46 (09/26/2023)	更新
9	ROM Flash Firmware Package - System ROM U59	OEM.U59_1.46_09_26_2023.fwpkg	System BIOS - U59	1.46_09-26-2023	v1.46 (09/26/2023)	更新
10	ROM Flash Firmware Package - System ROM U63	OEM.U63_1.46_09_26_2023.fwpkg	System BIOS - U63	1.46_09-26-2023	v1.46 (09/26/2023)	更新
11	ROM Flash Firmware Package - System ROM U65	OEM.U65_1.40_10_18_2023.fwpkg	System BIOS - U65	1.40_10-18-2023	v1.40 (10/18/2023)	新規追加

6.2.3 Driver - Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
12	Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows	cp057242.exe	-	10.1.19577.8410	10.1.19577.8410	更新
13	Identifiers for Intel Xeon Scalable Processors (Fourth Generation) for Microsoft Windows	cp057248.exe	-	10.1.19485.8386	10.1.19485.8386	更新

6.2.4 Driver - Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
14	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	226.0.108.0	226.0.108.0	更新
15	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	226.0.108.0	226.0.108.0	更新
16	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57416 10GbE 2p BASE-T Adptr	226.0.108.0	226.0.108.0	更新
17	Broadcom NetXtreme-E Driver for Microsoft Windows	cp057076.exe	BCM 57416 10GbE 2p BASE-T	226.0.108.0	226.0.108.0	更新

	Server 2019		OCP3 Adptr			
18	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57412 10GbE 2p SFP+ Adptr	226.0.108.0	226.0.108.0	更新
19	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	226.0.108.0	226.0.108.0	更新
20	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	Broadcom NetXtreme-E BCM5750x adapters	226.0.108.0	226.0.108.0	更新
21	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	226.0.108.0	226.0.108.0	更新
22	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	226.0.108.0	226.0.108.0	更新
23	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57416 10GbE 2p BASE-T Adptr	226.0.108.0	226.0.108.0	更新
24	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	226.0.108.0	226.0.108.0	更新
25	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57412 10GbE 2p SFP+ Adptr	226.0.108.0	226.0.108.0	更新
26	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	226.0.108.0	226.0.108.0	更新
27	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	Broadcom NetXtreme-E BCM5750x adapters	226.0.108.0	226.0.108.0	更新
28	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056229.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	221.0.5.0 (B)	221.0.5.0 (B)	更新
29	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056229.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	221.0.5.0 (B)	221.0.5.0 (B)	更新
30	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056229.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	221.0.5.0 (B)	221.0.5.0 (B)	更新
31	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新
32	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新
33	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57416 10GbE 2p BASE-T Adptr	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新
34	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新
35	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57412 10GbE 2p SFP+ Adptr	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新
36	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新

37	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	Broadcom NetXtreme-E BCM5750x adapters	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新
38	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2023.09.00	226.0.121.0-10EM.800.1.0.20613240	新規追加
39	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2023.09.00	226.0.121.0-10EM.800.1.0.20613240	新規追加
40	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57416 10GbE 2p BASE-T Adptr	2023.09.00	226.0.121.0-10EM.800.1.0.20613240	新規追加
41	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2023.09.00	226.0.121.0-10EM.800.1.0.20613240	新規追加
42	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57412 10GbE 2p SFP+ Adptr	2023.09.00	226.0.121.0-10EM.800.1.0.20613240	新規追加
43	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2023.09.00	226.0.121.0-10EM.800.1.0.20613240	新規追加
44	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	Broadcom NetXtreme-E BCM5750x adapters	2023.09.00	226.0.121.0-10EM.800.1.0.20613240	新規追加
45	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2023.09.00	1.11.2.0-10EM.700.1.0.15843807	更新
46	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2023.09.00	1.11.2.0-10EM.700.1.0.15843807	更新
47	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2023.09.00	1.11.2.0-10EM.800.1.0.20613240	新規追加
48	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2023.09.00	1.11.2.0-10EM.800.1.0.20613240	新規追加
49	Intel i350 Driver for Windows Server 2019	cp055495.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	12.18.13.0 (C)	12.18.13.0 (C)	
50	Intel i350 Driver for Windows Server 2019	cp055495.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	12.18.13.0 (C)	12.18.13.0 (C)	
51	Intel i350 Driver for Windows Server 2022	cp055981.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	13.0.13.0 (C)	13.0.13.0 (C)	
52	Intel i350 Driver for Windows Server 2022	cp055981.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	13.0.13.0 (C)	13.0.13.0 (C)	
53	Intel icea Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.12.164.0	1.12.164.0	更新
54	Intel icea Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for	1.12.164.0	1.12.164.0	更新

			HPE			
55	Intel ica Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-XXVDA2 adapter	1.12.164.0	1.12.164.0	更新
56	Intel ica Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-XXVDA2 OCP3 adapter	1.12.164.0	1.12.164.0	更新
57	Intel ica Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.12.164.0	1.12.164.0	更新
58	Intel ica Driver for Windows Server 2019	cp056781.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.12.164.0	1.12.164.0	更新
59	Intel ica Driver for Windows Server 2019	cp056781.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.12.164.0	1.12.164.0	更新
60	Intel ica Driver for Windows Server 2019	cp056781.exe	Intel E810-XXVDA2 adapter	1.12.164.0	1.12.164.0	更新
61	Intel ica Driver for Windows Server 2019	cp056781.exe	Intel E810-XXVDA2 OCP3 adapter	1.12.164.0	1.12.164.0	更新
62	Intel ica Driver for Windows Server 2019	cp056781.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.12.164.0	1.12.164.0	更新
63	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2023.09.00	1.11.2.0-10EM.700.1.0.15843807	更新
64	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2023.09.00	1.11.2.0-10EM.700.1.0.15843807	更新
65	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-XXVDA2 adapter	2023.09.00	1.11.2.0-10EM.700.1.0.15843807	更新
66	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-XXVDA2 OCP3 adapter	2023.09.00	1.11.2.0-10EM.700.1.0.15843807	更新
67	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2023.09.00	1.11.2.0-10EM.700.1.0.15843807	更新
68	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2023.09.00	1.11.3.0-10EM.800.1.0.20613240	新規追加
69	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2023.09.00	1.11.3.0-10EM.800.1.0.20613240	新規追加
70	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-XXVDA2 adapter	2023.09.00	1.11.3.0-10EM.800.1.0.20613240	新規追加
71	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-XXVDA2 OCP3 adapter	2023.09.00	1.11.3.0-10EM.800.1.0.20613240	新規追加
72	Intel icen Driver for VMware	cp056803.zip	Intel E810-	2023.09.00	1.11.3.0-	新規追加

	vSphere 8.0		XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE		1OEM.800.1.0.20613240	
73	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	MLX MCX631102 10/25GbE 2p SFP28 Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	更新
74	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	更新
75	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	更新
76	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	更新
77	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	更新
78	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.4.26054.0	23.4.26054.0	更新
79	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.4.26054.0	23.4.26054.0	更新
80	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.4.26054.0	23.4.26054.0	更新
81	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.4.26054.0	23.4.26054.0	更新
82	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.4.26054.0	23.4.26054.0	更新
83	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.4.26054.0	23.4.26054.0	更新

6.2.5 Driver - Security

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
84	Intel QuickAssist Technology driver for Microsoft Windows	cp056604.exe	-	2.0.40.3 (B)	2.0.40.3 (B)	更新

6.2.6 Driver - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
85	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o,	cp057854.zip	HPE_MR416i-o_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0	更新

	MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0				.15843807	
86	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	HPE_MR416i-p_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
87	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	HPE_MR216i-o_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
88	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	HPE_MR408i-o_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
89	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	HPE_MR216i-p_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
90	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	HPE_MR416i-o_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	新規追加
91	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	HPE_MR416i-p_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	新規追加
92	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	HPE_MR216i-o_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	新規追加
93	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	HPE_MR408i-o_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	新規追加
94	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	HPE_MR216i-p_Gen11	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	新規追加
95	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	HPE_MR416i-o_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
96	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	HPE_MR416i-p_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
97	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	HPE_MR216i-o_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新

98	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	HPE_MR408i-o_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
99	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	HPE_MR216i-p_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
100	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	HPE_MR416i-o_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
101	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	HPE_MR416i-p_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
102	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	HPE_MR216i-o_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
103	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	HPE_MR408i-o_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
104	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	HPE_MR216i-p_Gen11	7.724.2.0 (B)	7.724.2.0 (B)	更新
105	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055672.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.10.01	70.4532.0.108 - 10EM.700.1.0 .15843807	更新
106	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055672.zip	HPE SR932i-p Gen11	2023.10.01	70.4532.0.108 - 10EM.700.1.0 .15843807	更新
107	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055674.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.10.01	80.4532.0.108 - 10EM.800.1.0 .20613240	新規追加
108	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055674.zip	HPE SR932i-p Gen11	2023.10.01	80.4532.0.108 - 10EM.800.1.0 .20613240	新規追加
109	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server	cp056524.exe	HPE Smart Array E208e-p SR Gen10 Controller	1010.74.0.1 020	1010.74.0.102 0	更新

	2019 and Windows Server 2022					
110	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	HPE SR932i-p Gen11	1010.74.0.1020	1010.74.0.1020	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
111	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp058152.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
112	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp058152.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
113	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp058152.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
114	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp058152.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
115	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp058153.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
116	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp058153.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
117	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp058153.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
118	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp058153.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	新規追加
119	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp058163.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
120	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp058163.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
121	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for	cp058164.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus	9.4.8.20	9.4.8.20	更新

	Microsoft Windows Server 2022		Adapter			
122	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp058164.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新

6.2.8 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
123	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019	cp057238.exe	-	4.7.1.0 (C)	4.7.1.0 (C)	更新
124	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp057241.exe	-	4.7.1.0 (C)	4.7.1.0 (C)	更新
125	iLO 6 Channel Interface Driver for Microsoft Windows Server 2019	cp057237.exe	-	4.7.1.0 (C)	4.7.1.0 (C)	更新
126	iLO 6 Channel Interface Driver for Microsoft Windows Server 2022	cp057240.exe	-	4.7.1.0 (C)	4.7.1.0 (C)	更新

6.2.9 Driver - Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
127	Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019 and 2022	cp057236.exe	-	9.15.1.248 (B)	9.15.1.248 (B)	更新

6.2.10 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
128	Language Pack - Japanese	cp057995.exe	Japanese Language Pack 6	1.50	1.50.10	更新
129	Online ROM Flash Component for Windows x64 - iLO 6	cp058568.exe	iLO 6	1.53	1.53	更新
130	Online ROM Flash Firmware Package - iLO 6	ilo6_153.fwpkg	iLO 6	1.53	1.53	更新

6.2.11 Firmware - Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
131	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ Adptr	226.1.107.0	226.1.107.0	更新
132	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	226.1.107.0	226.1.107.0	更新
133	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 Adptr	226.1.107.0	226.1.107.0	更新
134	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	226.1.107.0	226.1.107.0	更新
135	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T Adptr	226.1.107.0	226.1.107.0	更新

136	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	226.1.107.0	226.1.107.0	更新
137	Broadcom Firmware Package for BCM5750x adapters	bcm226.1.107.0_Thor.p up.fwpkg	Broadcom NetXtreme-E BCM5750x adapters	226.1.107.0	226.1.107	更新
138	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP058204.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	1.36.2	20.27.42	更新
139	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP058204.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	1.36.2	20.27.42	更新
140	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP058204.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	1.36.2	20.27.42	更新
141	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058205.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	5.3.6.0	20.27.42	更新
142	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058205.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	5.3.6.0	20.27.42	更新
143	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058205.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	5.3.6.0	20.27.42	更新
144	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p20_PLDMoMCTP_80017785.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.20	4.20	更新
145	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_4p20_NCSiwPLDMoMCTP_80017783.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.20	4.20	更新
146	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p20_PLDMoMCTP_8001778C.fwpkg	Intel E810-XXVDA2 adapter	4.20	4.20	更新
147	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p20_NCSiwPLDMoMCTP_80017787.fwpkg	Intel E810-XXVDA2 OCP3 adapter	4.20	4.20	更新
148	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_4p20_PLDMoMCTP_80017789.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.20	4.20	更新
149	Intel Online Firmware Upgrade Utility for VMware	CP056800.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	3.21.0	1.3353.0	更新
150	Intel Online Firmware Upgrade Utility for VMware	CP056800.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3	3.21.0	1.3353.0	更新

			Adapter for HPE			
151	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056801.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.3.5.0	1.3353.0	更新
152	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056801.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.3.5.0	1.3353.0	更新
153	Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	26_37_1700-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.37.1700	26.37.1700	更新
154	Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	26_37_1700-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.37.1700	26.37.1700	更新
155	Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21	16_35_3006-MCX515A-CCA_HPE_Ax.pldm.fw pkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.3006	16.35.3006	更新
156	Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21	20_38_1002-MCX653106A-ECA_HPE_Ax.pldm.fw pkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.38.1002	20.38.1002	更新
157	Mellanox Firmware Package (FWPKG) for HPE InfiniBand NDR 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B21 and P45641-H21	28_38_1002-MCX75310AAS-NEAT_HPE_Ax.pldm.fw pkg	HPE IB NDR 1p OSFP MCX75310AAS Adptr	28.38.1002	28.38.1002	新規追加
158	Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	22_37_1700-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.37.1700	22.37.1700	更新

6.2.12 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
159	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP057335.zip	EO000400KYDKV	HPK4	HPK4	更新
160	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP057335.zip	EO000800KYDLA	HPK4	HPK4	更新
161	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	VO001920KYDMT	HPK4	HPK4	更新
162	Online NVMe SSD Flash	CP057732.zip	VO003840KYDMV	HPK4	HPK4	更新

	Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives					
163	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	MO001600KYDM U	HPK4	HPK4	更新
164	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	MO003200KYDNC	HPK4	HPK4	更新
165	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	MO006400KYDND	HPK4	HPK4	更新
166	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	VO007680KYDNA	HPK4	HPK4	更新
167	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	VO015360KYDNB	HPK4	HPK4	更新
168	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp057355.exe	EO000400KYDKV	HPK4	HPK4	更新
169	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp057355.exe	EO000800KYDLA	HPK4	HPK4	更新
170	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU,	cp057733.exe	VO001920KYDMT	HPK4	HPK4	更新

	MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives					
171	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	VO003840KYDMV	HPK4	HPK4	更新
172	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	MO001600KYDM U	HPK4	HPK4	更新
173	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	MO003200KYDNC	HPK4	HPK4	更新
174	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	MO006400KYDND	HPK4	HPK4	更新
175	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	VO007680KYDNA	HPK4	HPK4	更新
176	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	VO015360KYDNB	HPK4	HPK4	更新
177	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and	Micron_7450_M7450AL LHPS1.fwpkg	Micron-7450- NVMe	HPS1	HPS1	新規追加

	MO006400KXPAB					
178	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450AL LHPK2.fwpkg	Micron-7450-NVMe	HPK2	HPK2	新規追加
179	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7ALS HPK4.fwpkg	Kioxia-CD7-NVMe	HPK4	HPK4	新規追加
180	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_GP M1743SHPK5.fwpkg	Samsung-PM1743-NVMe	HPK5	HPK5	新規追加

6.2.13 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
181	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP053464.zip	EG000600JWEBH	HPD5 (D)	HPD5	
182	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP053464.zip	EG000300JWEBF	HPD5 (D)	HPD5	
183	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG000600JWJNP	HPD8	HPD8	
184	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200JWJNQ	HPD8	HPD8	
185	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200MXJQU	HPD8	HPD8	
186	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG000600JXLVV	HPD8	HPD8	
187	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200JXLWA	HPD8	HPD8	
188	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB,	CP055733.zip	EG001800JWJNR	HPDA (B)	HPDA	

	EG002400JXLWC and EG002400MXJQT Drives					
189	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400JWJNT	HPDA (B)	HPDA	
190	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400MXJQT	HPDA (B)	HPDA	
191	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG001800JXLWB	HPDA (B)	HPDA	
192	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400JXLWC	HPDA (B)	HPDA	
193	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000300JWCPK	HPD9	HPD9	
194	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000600JWCPL	HPD9	HPD9	
195	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000900JWCPN	HPD9	HPD9	
196	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000900JXLVU	HPD9	HPD9	
197	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000300JXLVR	HPD9	HPD9	
198	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000600JXLVT	HPD9	HPD9	
199	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP,	CP053486.zip	EO000400PXDBQ	HPD3 (C)	HPD3	

	MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives					
200	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP053486.zip	EO000800PXDCK	HPD3 (C)	HPD3	
201	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP053486.zip	EO001600PXDCH	HPD3 (C)	HPD3	
202	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP053486.zip	MO000800PXDBP	HPD3 (C)	HPD3	
203	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP053486.zip	MO001600PXDCC	HPD3 (C)	HPD3	
204	Online HDD/SSD Flash Component for VMware ESXi	CP053486.zip	MO003200PXDCC	HPD3 (C)	HPD3	

	- EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
205	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	MO006400PXDCE	HPD3 (C)	HPD3	
206	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO000960PXDBN	HPD3 (C)	HPD3	
207	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO001920PXDDBR	HPD3 (C)	HPD3	
208	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT,	CP053486.zip	VO003840PXDBT	HPD3 (C)	HPD3	

	VO007680PXDBU and VO015300PXDBV Drives					
209	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO007680PXDBU	HPD3 (C)	HPD3	
210	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO015300PXDBV	HPD3 (C)	HPD3	
211	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP053384.zip	MB002000JWFVN	HPD4 (D)	HPD4	
212	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP053384.zip	MB004000JWFVP	HPD4 (D)	HPD4	
213	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP053343.zip	MB002000JYDNE	HPD2 (C)	HPD2	
214	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP053343.zip	MB004000JYDPB	HPD2 (C)	HPD2	
215	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP053939.zip	MB004000JWWQ B	HPD8	HPD8	
216	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP053939.zip	MB002000JWWQ A	HPD8	HPD8	
217	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP053342.zip	MB006000JYDNF	HPD2 (C)	HPD2	
218	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP053342.zip	MB008000JYDPC	HPD2 (C)	HPD2	
219	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive	CP053398.zip	MB008000JWRTD	HPD2 (D)	HPD2	
220	Online HDD/SSD Flash	CP053890.zip	MB008000JWWQ	HPD8	HPD8	

	Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives		P			
221	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP053890.zip	MB006000JWWQ N	HPD8	HPD8	
222	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB010000GYDKP	HPG1 (B)	HPG1	
223	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB012000GYCJL	HPG1 (B)	HPG1	
224	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB014000GYCJT	HPG1 (B)	HPG1	
225	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB016000GYDKQ	HPG1 (B)	HPG1	
226	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB018000GYDKR	HPG1 (B)	HPG1	
227	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB010000JWZHA	HPD4	HPD4	
228	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB012000JWZHB	HPD4	HPD4	
229	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB014000JWZHC	HPD4	HPD4	
230	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB016000JWZHE	HPD4	HPD4	

231	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB010000JYDKK	HPD1	HPD1	
232	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB012000JYCJF	HPD1	HPD1	
233	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB014000JYCJV	HPD1	HPD1	
234	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB016000JYDKL	HPD1	HPD1	
235	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB018000JYDKN	HPD1	HPD1	
236	Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive	CP053422.zip	MB012000JWDFD	HPD3 (D)	HPD3	
237	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB012000JZYVN	HPD3	HPD3	新規追加
238	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB014000JZYVP	HPD3	HPD3	新規追加
239	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB016000JZYVQ	HPD3	HPD3	新規追加
240	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB018000JYCLK	HPD3	HPD3	新規追加
241	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive	CP053406.zip	MB014000JWUDB	HPD3 (D)	HPD3	
242	Online HDD/SSD Flash	CP053443.zip	MB016000JWXKH	HPDA	HPDA	

	Component for VMware ESXi - MB016000JWXKH Drive					
243	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP053456.zip	MB016000JXLBA	HPD2 (C)	HPD2	
244	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP053456.zip	MB018000JXLAU	HPD2 (C)	HPD2	
245	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP055621.zip	MB020000JXMTP	HPD1	HPD1	新規追加
246	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP055621.zip	MB018000JXMTH	HPD1	HPD1	新規追加
247	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP053416.zip	MM1000JEFRB	HPDA (B)	HPDA	
248	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP053416.zip	MM2000JEFRC	HPDA (B)	HPDA	
249	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP053418.zip	MM1000JFJTH	HPD5 (B)	HPD5	
250	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO000960JWZJF	HPD5	HPD5	更新
251	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO001920JWZJH	HPD5	HPD5	更新
252	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO003840JWZJK	HPD5	HPD5	更新
253	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO007680JWZJL	HPD5	HPD5	更新
254	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO015360JWZJN	HPD5	HPD5	更新
255	Online HDD/SSD Flash Component for VMware ESXi	CP053869.zip	VO000960RWUEV	HPD7	HPD7	

	- VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives					
256	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO001920RWUFA	HPD7	HPD7	
257	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO003840RWUFB	HPD7	HPD7	
258	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO007680RWUFC	HPD7	HPD7	
259	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO000960RWUFD	HPD7	HPD7	
260	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO001920RWUFE	HPD7	HPD7	
261	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO003840RWUFF	HPD7	HPD7	
262	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp052980.exe	EG000600JWEBH	HPD5 (D)	HPD5	
263	Online HDD/SSD Flash	cp052980.exe	EG000300JWEBF	HPD5 (D)	HPD5	

	Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives					
264	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG000600JWJNP	HPD8	HPD8	
265	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200JWJNQ	HPD8	HPD8	
266	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200MXJQU	HPD8	HPD8	
267	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG000600JXLVV	HPD8	HPD8	
268	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200JXLWA	HPD8	HPD8	
269	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG001800JWJNR	HPDA (B)	HPDA	
270	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG002400JWJNT	HPDA (B)	HPDA	
271	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG002400MXJQT	HPDA (B)	HPDA	
272	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG001800JXLWB	HPDA (B)	HPDA	

273	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG002400JXLWC	HPDA (B)	HPDA	
274	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000300JWCPK	HPD9	HPD9	
275	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000600JWCPL	HPD9	HPD9	
276	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000900JWCPN	HPD9	HPD9	
277	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000900JXLVU	HPD9	HPD9	
278	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000300JXLVR	HPD9	HPD9	
279	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000600JXLVT	HPD9	HPD9	
280	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	EO000400PXDBQ	HPD3 (C)	HPD3	
281	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	EO000800PXDCK	HPD3 (C)	HPD3	
282	Online HDD/SSD Flash	cp052991.exe	EO001600PXDCH	HPD3 (C)	HPD3	

	Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
283	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	MO000800PXDBP	HPD3 (C)	HPD3	
284	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	MO001600PXDCC	HPD3 (C)	HPD3	
285	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	MO003200PXDCCD	HPD3 (C)	HPD3	
286	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR,	cp052991.exe	MO006400PXDCE	HPD3 (C)	HPD3	

	VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
287	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	VO000960PXDBN	HPD3 (C)	HPD3	
288	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	VO001920PXDBR	HPD3 (C)	HPD3	
289	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	VO003840PXDBT	HPD3 (C)	HPD3	
290	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052991.exe	VO007680PXDBU	HPD3 (C)	HPD3	
291	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC,	cp052991.exe	VO015300PXDBV	HPD3 (C)	HPD3	

	MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
292	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp052937.exe	MB002000JWFVN	HPD4 (D)	HPD4	
293	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp052937.exe	MB004000JWFVP	HPD4 (D)	HPD4	
294	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp053350.exe	MB002000JYDNE	HPD2 (C)	HPD2	
295	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp053350.exe	MB004000JYDPB	HPD2 (C)	HPD2	
296	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp053940.exe	MB004000JWWQ B	HPD8	HPD8	
297	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp053940.exe	MB002000JWWQ A	HPD8	HPD8	
298	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp053345.exe	MB006000JYDNF	HPD2 (C)	HPD2	
299	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp053345.exe	MB008000JYDPC	HPD2 (C)	HPD2	
300	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRD Drive	cp052945.exe	MB008000JWRD	HPD2 (D)	HPD2	
301	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp053891.exe	MB008000JWWQ P	HPD8	HPD8	
302	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp053891.exe	MB006000JWWQ N	HPD8	HPD8	
303	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp053002.exe	MB010000GYDKP	HPG1 (B)	HPG1	
304	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL,	cp053002.exe	MB012000GYCJL	HPG1 (B)	HPG1	

	MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives					
305	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp053002.exe	MB014000GYCJT	HPG1 (B)	HPG1	
306	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp053002.exe	MB016000GYDKQ	HPG1 (B)	HPG1	
307	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp053002.exe	MB018000GYDKR	HPG1 (B)	HPG1	
308	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp053848.exe	MB010000JWZHA	HPD4	HPD4	
309	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp053848.exe	MB012000JWZHB	HPD4	HPD4	
310	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp053848.exe	MB014000JWZHC	HPD4	HPD4	
311	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp053848.exe	MB016000JWZHE	HPD4	HPD4	
312	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp053995.exe	MB010000JYDKK	HPD1	HPD1	
313	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp053995.exe	MB012000JYCJF	HPD1	HPD1	
314	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF,	cp053995.exe	MB014000JYCJV	HPD1	HPD1	

	MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives					
315	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp053995.exe	MB016000JYDKL	HPD1	HPD1	
316	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp053995.exe	MB018000JYDKN	HPD1	HPD1	
317	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp052959.exe	MB012000JWDFD	HPD3 (D)	HPD3	
318	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp056643.exe	MB012000JZYVN	HPD3	HPD3	新規追加
319	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp056643.exe	MB014000JZYVP	HPD3	HPD3	新規追加
320	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp056643.exe	MB016000JZYVQ	HPD3	HPD3	新規追加
321	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp056643.exe	MB018000JYCLK	HPD3	HPD3	新規追加
322	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive	cp052951.exe	MB014000JWUDB	HPD3 (D)	HPD3	
323	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp055195.exe	MB016000JWXKH	HPDA	HPDA	
324	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp052977.exe	MB016000JXLBA	HPD2 (C)	HPD2	
325	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp052977.exe	MB018000JXLAU	HPD2 (C)	HPD2	
326	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp055622.exe	MB020000JXMTP	HPD1	HPD1	新規追加
327	Online HDD/SSD Flash	cp055622.exe	MB018000JXMTH	HPD1	HPD1	新規追加

	Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives					
328	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp052956.exe	MM1000JEFRB	HPDA (B)	HPDA	
329	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp052956.exe	MM2000JEFRC	HPDA (B)	HPDA	
330	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp052957.exe	MM1000JFJTH	HPD5 (B)	HPD5	
331	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO000960JWZJF	HPD5	HPD5	更新
332	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO001920JWZJH	HPD5	HPD5	更新
333	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO003840JWZJK	HPD5	HPD5	更新
334	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO007680JWZJL	HPD5	HPD5	更新
335	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO015360JWZJN	HPD5	HPD5	更新
336	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp053870.exe	VO000960RWUEV	HPD7	HPD7	
337	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and	cp053870.exe	VO001920RWUFA	HPD7	HPD7	

	VO003840RWUFF Drives					
338	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp053870.exe	VO003840RWUFB	HPD7	HPD7	
339	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp053870.exe	VO007680RWUFC	HPD7	HPD7	
340	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp053870.exe	VO000960RWUFD	HPD7	HPD7	
341	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp053870.exe	VO001920RWUFE	HPD7	HPD7	
342	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp053870.exe	VO003840RWUFF	HPD7	HPD7	
343	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRC, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BPHPESD5.fwpkg	Seagate-LangeBP-SAS	HPD5	HPD5	新規追加
344	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	Samsung-PM165X-SAS	HPD3	HPD3	新規追加
345	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	Samsung-PM165X-SAS	HPD3	HPD3	新規追加

6.2.14 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
346	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GFWFL Drives	CP053380.zip	MB001000GWFWK	HPG6 (H)	HPG6	
347	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GFWFL Drives	CP053380.zip	MB002000GFWFL	HPG6 (H)	HPG6	
348	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP053382.zip	MB001000GWJAN	HPG1 (H)	HPG1	
349	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP053382.zip	MB002000GFWFA	HPG1 (H)	HPG1	
350	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP053382.zip	MB004000GFWFB	HPG1 (H)	HPG1	
351	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP053386.zip	MB004000GWKGV	HPG1 (H)	HPG1	
352	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP053428.zip	MB004000GWWQH	HPG5 (B)	HPG5	
353	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP053428.zip	MB002000GWWQF	HPG5 (B)	HPG5	
354	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP053428.zip	MB001000GWWQE	HPG5 (B)	HPG5	
355	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP053392.zip	MB006000GWKGR	HPG1 (H)	HPG1	
356	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP053396.zip	MB008000GWRTC	HPG1 (H)	HPG1	
357	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP053400.zip	MB012000GWDFE	HPG3 (D)	HPG3	
358	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP054181.zip	MB012000GWTFE	HPG8	HPG8	
359	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP054181.zip	MB014000GWTFE	HPG8	HPG8	
360	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU,	CP056645.zip	MB012000GZYVT	HPG3	HPG3	新規追加

	MB016000GZYVV and MB018000GYCLL Drives					
361	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP056645.zip	MB014000GZYVU	HPG3	HPG3	新規追加
362	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP056645.zip	MB016000GZYVV	HPG3	HPG3	新規追加
363	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP056645.zip	MB018000GYCLL	HPG3	HPG3	新規追加
364	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP053404.zip	MB014000GWUDA	HPG2 (H)	HPG2	
365	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP053446.zip	MB016000GWXKK	HPG4	HPG4	
366	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP055667.zip	MB018000GXMTK	HPG1	HPG1	新規追加
367	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP055667.zip	MB020000GXMTQ	HPG1	HPG1	新規追加
368	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK000480GWSSC	HPG3 (E)	HPG3	
369	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK000960GWSSD	HPG3 (E)	HPG3	
370	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK001920GWSSE	HPG3 (E)	HPG3	
371	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK003840GWSSF	HPG3 (E)	HPG3	
372	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK000480GWXFF	HPG3	HPG3	更新
373	Online HDD/SSD Flash Component for VMware ESXi -	CP056439.zip	MK000960GWXFH	HPG3	HPG3	更新

	MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives					
374	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK001920GWXFK	HPG3	HPG3	更新
375	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK003840GWXFL	HPG3	HPG3	更新
376	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK000480GZXRA	HPG1	HPG1	新規追加
377	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK000960GZXR B	HPG1	HPG1	新規追加
378	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK001920GZXRC	HPG1	HPG1	新規追加
379	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK003840GZXRV	HPG1	HPG1	新規追加
380	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP053414.zip	MM1000GFJTE	HPG6 (B)	HPG6	
381	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP053412.zip	MM2000GEFRA	HPG9 (B)	HPG9	
382	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000240GWSRQ	HPG4 (E)	HPG4	
383	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000480GWSRR	HPG4 (E)	HPG4	
384	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU,	CP053432.zip	VK000960GWSRT	HPG4 (E)	HPG4	

	VK003840GWSRV Drives					
385	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK001920GWSRU	HPG4 (E)	HPG4	
386	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK003840GWSRV	HPG4 (E)	HPG4	
387	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP056490.zip	VK000240GWTSV	HPG7	HPG7	更新
388	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP056490.zip	VK000480GWTTA	HPG7	HPG7	更新
389	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP056490.zip	VK000960GWTTB	HPG7	HPG7	更新
390	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP056490.zip	VK001920GWTTT	HPG7	HPG7	更新
391	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD,	CP056490.zip	VK003840GWTTD	HPG7	HPG7	更新

	MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
392	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK000480GWTT H	HPG7	HPG7	更新
393	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK000960GWTTK	HPG7	HPG7	更新
394	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK001920GWTTL	HPG7	HPG7	更新
395	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK003840GWTT N	HPG7	HPG7	更新
396	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GX AWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK000240GXAWE	HPG1 (D)	HPG1	
397	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK,	CP053453.zip	VK000480GXAWK	HPG1 (D)	HPG1	

	VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GX AWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
398	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GX AWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK000960GXAWL	HPG1 (D)	HPG1	
399	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GX AWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK001920GXAWN	HPG1 (D)	HPG1	
400	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GX AWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK003840GXAWP	HPG1 (D)	HPG1	
401	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GX AWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK007680GXAWQ	HPG1 (D)	HPG1	

402	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK000480GXAWF	HPG1 (D)	HPG1	
403	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK000960GXAXB	HPG1 (D)	HPG1	
404	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK001920GXAWR	HPG1 (D)	HPG1	
405	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK003840GXAWT	HPG1 (D)	HPG1	
406	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VR000240GXBBL	HPG1 (D)	HPG1	

	AWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
407	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MR000480GXBGH	HPG1 (D)	HPG1	
408	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MR000960GXBGK	HPG1 (D)	HPG1	
409	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000240GZXRU	HPG1	HPG1	新規追加
410	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000480GZXRF	HPG1	HPG1	新規追加
411	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000960GZXQU	HPG1	HPG1	新規追加
412	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK001920GZXQV	HPG1	HPG1	新規追加
413	Online HDD/SSD Flash Component for VMware ESXi -	CP055690.zip	VK003840GZXRH	HPG1	HPG1	新規追加

	VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.					
414	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK007680GZXRT	HPG1	HPG1	新規追加
415	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK000480GZCNE	HPG3	HPG3	更新
416	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK000960GZCNF	HPG3	HPG3	更新
417	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK001920GZCNH	HPG3	HPG3	更新
418	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK003840GZCNK	HPG3	HPG3	更新
419	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives	cp052935.exe	MB001000GWFVK	HPG6 (G)	HPG6	
420	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives	cp052935.exe	MB002000GWFVL	HPG6 (G)	HPG6	
421	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp052936.exe	MB001000GWJAN	HPG1 (G)	HPG1	
422	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp052936.exe	MB002000GWFVA	HPG1 (G)	HPG1	
423	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp052936.exe	MB004000GWFVB	HPG1 (G)	HPG1	
424	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp052938.exe	MB004000GWKGV	HPG1 (G)	HPG1	
425	Online HDD/SSD Flash Component for Windows (x64) -	cp052963.exe	MB004000GWWQH	HPG5 (B)	HPG5	

	MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives					
426	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp052963.exe	MB002000GWW QF	HPG5 (B)	HPG5	
427	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp052963.exe	MB001000GWW QE	HPG5 (B)	HPG5	
428	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp052941.exe	MB006000GWK GR	HPG1 (G)	HPG1	
429	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp052944.exe	MB008000GWRT C	HPG1 (G)	HPG1	
430	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFF Drive	cp052947.exe	MB012000GWD FF	HPG3 (D)	HPG3	
431	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFF and MB014000GWTFF Drives	cp054182.exe	MB012000GWT FF	HPG8	HPG8	
432	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFF and MB014000GWTFF Drives	cp054182.exe	MB014000GWT FF	HPG8	HPG8	
433	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp056646.exe	MB012000GZY VT	HPG3	HPG3	新規追加
434	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp056646.exe	MB014000GZY VU	HPG3	HPG3	新規追加
435	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp056646.exe	MB016000GZY VV	HPG3	HPG3	新規追加
436	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp056646.exe	MB018000GYC LL	HPG3	HPG3	新規追加
437	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp052949.exe	MB014000GWU DA	HPG2 (G)	HPG2	
438	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp055196.exe	MB016000GWX KK	HPG4	HPG4	
439	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp055668.exe	MB018000GX MTK	HPG1	HPG1	新規追加
440	Online HDD/SSD Flash Component for Windows (x64) -	cp055668.exe	MB020000GX MTQ	HPG1	HPG1	新規追加

	MB018000GXMTK and MB020000GXMTQ Drives					
441	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp052964.exe	MK000480GWSSC	HPG3 (E)	HPG3	
442	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp052964.exe	MK000960GWSSD	HPG3 (E)	HPG3	
443	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp052964.exe	MK001920GWSSE	HPG3 (E)	HPG3	
444	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp052964.exe	MK003840GWSSF	HPG3 (E)	HPG3	
445	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK000480GWXFF	HPG3	HPG3	更新
446	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK000960GWXFH	HPG3	HPG3	更新
447	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK001920GWXFK	HPG3	HPG3	更新
448	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK003840GWXFL	HPG3	HPG3	更新
449	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK000480GZXRA	HPG1	HPG1	新規追加
450	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK000960GZXR B	HPG1	HPG1	新規追加
451	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B,	cp055687.exe	MK001920GZXRC	HPG1	HPG1	新規追加

	MK001920GZXRC and MK003840GZXRV Drives					
452	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK003840GZXRV	HPG1	HPG1	新規追加
453	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp052955.exe	MM1000GFJTE	HPG6 (B)	HPG6	
454	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp052954.exe	MM2000GEFRA	HPG9 (B)	HPG9	
455	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp052965.exe	VK000240GWSRQ	HPG4 (E)	HPG4	
456	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp052965.exe	VK000480GWSRR	HPG4 (E)	HPG4	
457	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp052965.exe	VK000960GWSRT	HPG4 (E)	HPG4	
458	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp052965.exe	VK001920GWSRU	HPG4 (E)	HPG4	
459	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp052965.exe	VK003840GWSRV	HPG4 (E)	HPG4	
460	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTT, VK003840GWTTD, MK000480GWTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK000240GWTSV	HPG7	HPG7	更新
461	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTT, MK000480GWTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK000480GWTTA	HPG7	HPG7	更新

	VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
462	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK000960GWTTB	HPG7	HPG7	更新
463	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK001920GWTTT	HPG7	HPG7	更新
464	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK003840GWTTD	HPG7	HPG7	更新
465	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	MK000480GWTT H	HPG7	HPG7	更新
466	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	MK000960GWTTK	HPG7	HPG7	更新
467	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT,	cp056491.exe	MK001920GWTTL	HPG7	HPG7	更新

	VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
468	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	MK003840GWTT N	HPG7	HPG7	更新
469	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	VK000240GXAWF	HPG1 (D)	HPG1	
470	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	VK000480GXAWK	HPG1 (D)	HPG1	
471	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	VK000960GXAWL	HPG1 (D)	HPG1	
472	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL,	cp052976.exe	VK001920GXAWN	HPG1 (D)	HPG1	

	VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
473	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	VK003840GXAWP	HPG1 (D)	HPG1	
474	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	VK007680GXAWQ	HPG1 (D)	HPG1	
475	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	MK000480GXAWF	HPG1 (D)	HPG1	
476	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR,	cp052976.exe	MK000960GXAXB	HPG1 (D)	HPG1	

	MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
477	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	MK001920GXAW R	HPG1 (D)	HPG1	
478	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	MK003840GXAW T	HPG1 (D)	HPG1	
479	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	VR000240GXBBL	HPG1 (D)	HPG1	
480	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp052976.exe	MR000480GXBGH	HPG1 (D)	HPG1	
481	Online HDD/SSD Flash Component for Windows (x64) -	cp052976.exe	MR000960GXBGK	HPG1 (D)	HPG1	

	VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
482	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000240GZXRU	HPG1	HPG1	新規追加
483	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000480GZXRF	HPG1	HPG1	新規追加
484	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000960GZXQU	HPG1	HPG1	新規追加
485	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK001920GZXQV	HPG1	HPG1	新規追加
486	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK003840GZXRH	HPG1	HPG1	新規追加
487	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK007680GZXRT	HPG1	HPG1	新規追加
488	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and	cp056238.exe	VK000480GZCNE	HPG3	HPG3	更新

	VK003840GZCNK Drives					
489	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK000960GZCNF	HPG3	HPG3	更新
490	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK001920GZCNH	HPG3	HPG3	更新
491	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK003840GZCNK	HPG3	HPG3	更新
492	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG3.fwpkg	Solidigm-S4X20-SATA	HPG3	HPG3	新規追加

6.2.15 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
493	Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen11_1.2.14.1012_A.fwpkg	HPE NS204i-u Boot Controller	1.2.14.1012	1.2.14.1012	更新
494	Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller	HPE_MR216i-o_Gen11_52.24.3-4948_B.fwpkg	HPE_MR216i-o_Gen11	52.24.3-4948 (B)	52.24.3-4948	更新
495	Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller	HPE_MR216i-p_Gen11_52.24.3-4948_B.fwpkg	HPE_MR216i-p_Gen11	52.24.3-4948 (B)	52.24.3-4948	更新
496	Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller	HPE_MR408i-o_Gen11_52.24.3-4948_B.fwpkg	HPE_MR408i-o_Gen11	52.24.3-4948 (B)	52.24.3-4948	更新
497	Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller	HPE_MR416i-o_Gen11_52.24.3-4948_B.fwpkg	HPE_MR416i-o_Gen11	52.24.3-4948 (B)	52.24.3-4948	更新
498	Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller	HPE_MR416i-p_Gen11_52.24.3-4948_B.fwpkg	HPE_MR416i-p_Gen11	52.24.3-4948 (B)	52.24.3-4948	更新
499	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers	HPE_SR_Gen10_6.22_A.fwpkg	HPE Smart Array E208e-p SR Gen10 Controller	6.22	6.22	更新
500	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11	HPE_SR416_SR932_Gen10P_Gen11_03.01.23.072_A.fwpkg	HPE SR932i-p Gen11	03.01.23.072	03.01.23.072	更新

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
501	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	CP057475.zip	HPE Smart Array E208e-p SR Gen10 Controller	5.61 (D)	5.61	更新
502	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	cp057479.exe	HPE Smart Array E208e-p SR Gen10 Controller	5.61 (D)	5.61	更新

6.2.16 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
503	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.2.589.5_header.pld m.fwpkg	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.2.589.5	14.2.589.5	新規追加
504	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.2.589.5_header.pld m.fwpkg	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.2.589.5	14.2.589.5	新規追加
505	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.2.589.5_header.pld m.fwpkg	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.589.5	14.2.589.5	新規追加
506	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.2.589.5_header.pld m.fwpkg	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.589.5	14.2.589.5	新規追加
507	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp058168.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	02.08.05	更新
508	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp058168.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	02.08.05	更新
509	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058165.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	02.08.05	更新
510	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058165.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	02.08.05	更新
511	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058166.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	02.08.05	更新
512	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058166.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	02.08.05	更新

6.2.17 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
513	Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers	HPE_UBM2_1.20_E.fwpkg	UBM2 Backplane PIC	1.20 (E)	1.20	更新
514	Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM3_1.24_F.fwpkg	UBM3 Backplane PIC	1.24 (F)	1.24	更新
515	Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM4_1.24_F.fwpkg	UBM4 Backplane PIC	1.24 (F)	1.24	
516	Firmware Package - UBM5 Backplane PIC PLDM Firmware for Gen11 servers usage	HPE_UBM5_1.10_A.fwpkg	UBM5 Backplane PIC	1.10	1.10	更新
517	Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM6_1.04_A.fwpkg	UBM6 Backplane PIC	1.04	1.04	更新
518	Firmware Package - UBM7 Backplane PIC PLDM Firmware	HPE_UBM7_1.00_A.fwpkg	UBM7 Backplane PIC	1.00	1.00	新規追加
519	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp057056.exe	U54 ME Seamless Update Image	06.00.04.075.0	06.00.04.075	更新
520	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp057138.exe	U63 ME Seamless Update Image	06.00.04.075.0	06.00.04.075	更新
521	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp057419.exe	U59 ME Seamless Update Image	06.00.04.075.0	06.00.04.075	更新
522	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel Raptor-Lake PCH-S based systems	cp057015.exe	Server Platform Services Manageability Engine Firmware for U65	06.02.04.008.0	06.02.04.008.0	新規追加
523	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U54_ME_06.00.04.075.0.fwpkg	U54 ME Seamless Update Image	06.00.04.075.0	06.00.04.075	更新
524	ROM Flash Firmware Package - Server Platform Services	OEM.SC_U59_ME_06.00.04.075.0.fwpkg	U59 ME Seamless Update Image	06.00.04.075.0	06.00.04.075	更新

	Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems					
525	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U63_ME_06.0.0.04.075.0.fwpkg	U63 ME Seamless Update Image	06.00.04.075.0	06.00.04.075	更新
526	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel Raptor-Lake PCH-S based systems	OEM.SC_U65_ME_06.0.2.04.008.0.fwpkg	Server Platform Services Firmware for DL20 ML30 MS Gen11	06.02.04.008.0	06.02.04.008	新規追加

6.2.18 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
527	HPE Lights-Out Online Configuration Utility for Windows x64 Editions	cp049814.exe	-	6.0.0.0	6.0.0.0	

6.2.19 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
528	HPE Agentless Management Bundle Smart Component on ESXi for Gen11 Servers	cp057940.zip	-	2023.09.01	701.11.5.0.2-1OEM.701.0.0.16850804	更新
529	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0	cp050934.zip	-	2022.09.01	2022.09.01	
530	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 8.0	cp051152.zip	-	2022.09.01	2022.09.01	新規追加
531	HPE iLO Driver Bundle Smart Component for ESXi 7.0	cp058423.zip	-	2023.09.00	700.10.8.1.6-1OEM.700.1.0.15843807	更新
532	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.10.01	6.25.9.0-7.0.0.1552599.2.oem	更新
533	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	-	2023.10.01	6.25.9.0-7.0.0.1552599.2.oem	更新
534	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE SR932i-p Gen11	2023.10.01	6.25.9.0-7.0.0.1552599.2.oem	更新
535	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.10.01	6.25.9.0-8.0.0.2014309.0.oem	更新
536	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	-	2023.10.01	6.25.9.0-8.0.0.2014309.0.oem	更新
537	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10	cp055680.zip	HPE SR932i-p Gen11	2023.10.01	6.25.9.0-8.0.0.2014309.0.oem	更新

	Plus/Gen11 Controllers					
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6.2.20 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
538	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	HPE_MR416i-o_Gen11	2023.05.01 (B)	007.2417.000 0.0000-01	更新
539	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	HPE_MR416i-p_Gen11	2023.05.01 (B)	007.2417.000 0.0000-01	更新
540	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	HPE_MR216i-o_Gen11	2023.05.01 (B)	007.2417.000 0.0000-01	更新
541	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	HPE_MR408i-o_Gen11	2023.05.01 (B)	007.2417.000 0.0000-01	更新
542	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	HPE_MR216i-p_Gen11	2023.05.01 (B)	007.2417.000 0.0000-01	更新
543	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	HPE_MR416i-o_Gen11	2023.05.01 (C)	007.2417.000 0.0000-01	更新
544	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	HPE_MR416i-p_Gen11	2023.05.01 (C)	007.2417.000 0.0000-01	更新
545	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	HPE_MR216i-o_Gen11	2023.05.01 (C)	007.2417.000 0.0000-01	更新
546	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	HPE_MR408i-o_Gen11	2023.05.01 (C)	007.2417.000 0.0000-01	更新
547	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	HPE_MR216i-p_Gen11	2023.05.01 (C)	007.2417.000 0.0000-01	更新

6.2.21 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
548	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)	cp058536.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加
549	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)	cp058536.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加
550	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server	cp058536.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加

	2019 (x86_64)					
551	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)	cp058536.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加
552	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp058535.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加
553	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp058535.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加
554	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp058535.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加
555	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp058535.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	新規追加
556	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058161.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	5.3.81.2-10EM.703.0.0.18644231	更新
557	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058161.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	5.3.81.2-10EM.703.0.0.18644231	更新
558	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp058160.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	5.4.81.2-10EM.800.1.0.20613240	更新
559	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp058160.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	5.4.81.2-10EM.800.1.0.20613240	更新
560	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2019 (x86_64)	cp058538.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	更新
561	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2019 (x86_64)	cp058538.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	更新
562	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp058537.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	更新
563	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp058537.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1	更新
564	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp058154.zip	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.567.0-10EM.700.1.0.15843807	新規追加

565	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp058154.zip	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.567.0-10EM.700.1.0.15843807	新規追加
566	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp058154.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	14.2.567.0-10EM.700.1.0.15843807	新規追加
567	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp058154.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	14.2.567.0-10EM.700.1.0.15843807	新規追加

6.2.22 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
568	HPE Gen11 Agentless Management Service for Microsoft Windows x64	cp056870.exe	-	3.40.0.0	3.40.0.0	更新
569	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	HPE_MR416i-o_Gen11	8.4.16.0 (B)	8.4.16.0 (B)	更新
570	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	HPE_MR416i-p_Gen11	8.4.16.0 (B)	8.4.16.0 (B)	更新
571	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	HPE_MR216i-o_Gen11	8.4.16.0 (B)	8.4.16.0 (B)	更新
572	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	HPE_MR408i-o_Gen11	8.4.16.0 (B)	8.4.16.0 (B)	更新
573	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	HPE_MR216i-p_Gen11	8.4.16.0 (B)	8.4.16.0 (B)	更新
574	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	HPE_MR416i-o_Gen11	7.2417.0.0	7.2417.0.0	更新
575	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	HPE_MR416i-p_Gen11	7.2417.0.0	7.2417.0.0	更新
576	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	HPE_MR216i-o_Gen11	7.2417.0.0	7.2417.0.0	更新
577	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	HPE_MR408i-o_Gen11	7.2417.0.0	7.2417.0.0	更新
578	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	HPE_MR216i-p_Gen11	7.2417.0.0	7.2417.0.0	更新
579	HPE Upgrade Smart Component for VMware vSphere 7.x	cp058504.zip	-	2023.09.01	901.1.4.9-10EM.700.1.0.15843807	更新
580	HPE Upgrade Smart Component for VMware vSphere 8.x	cp058505.zip	-	2023.09.01	901.2.0.5-10EM.800.0.0.20172892	更新

581	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	-	6.25.9.0	6.25.9.0	更新
582	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
583	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE SR932i-p Gen11	6.25.9.0	6.25.9.0	更新
584	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	-	6.25.9.0	6.25.9.0	更新
585	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
586	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE SR932i-p Gen11	6.25.9.0	6.25.9.0	更新
587	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	-	6.25.9.0	6.25.9.0	更新
588	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
589	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE SR932i-p Gen11	6.25.9.0	6.25.9.0	更新

6.3 パッケージの変更内容

Online ROM Flash Component for Windows x64 - System ROM U54

Version: 1.46_09-26-2023 (Recommended)

Problems Fixed:

- Addressed an issue where the MegaRAID controller status is displayed as "unknown" on the iLO web page.
- Address an issue with certain 4th Generation Intel Xeon Processors that can result in an unexpected reset with a machine check error logged to the Integrated Management Log (IML). This issue is not unique to Hitachi systems. The following is Intel's description of the issue:
 - Under complex microarchitectural conditions, the processor may experience a Caching Home Agent Table of Requests (TOR) timeout machine check exception.
 - This version of the System ROM will update internal processor firmware during boot. This internal processor firmware cannot be downgraded even if the System ROM is downgraded. Using processors with different versions of internal processor firmware is not supported.
- Addressed an issue where the speed of Kioxia EDSFF drive might be downgraded from PCIe Generation 5 to Generation 4.
- Addressed an issue where the "One-Time Boot" feature over iLO/RESTful does not function properly on Gen11 servers running System ROM 1.40 or earlier.
- Addressed an issue where a drive cannot be unmounted after hot-plug interruption during DPC (Downstream Port Containment) recovery process under VMware.
- Addressed an issue where the system would hang in POST if Intel UPI link enablement was set to single link operation.
- Addressed an issue where the SMBIOS type 38 offset 0x10 had an incorrect value.
- Addressed an issue where the "Minimum Processor Idle Power Core C-state" from RBSU showed an incorrect value when one of "Virtualization - Max Performance", "Low Latency", "Transactional Application Processing", "High Performance Compute (HPC)" workload profiles is selected.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
- Addressed an issue where an incorrect "processor's PUCODE" version showed up on screen during the POST after downgrading the System ROM.
- Addressed an issue where status display of PCIe Root Complex for Intel Quick Assist Technology (Intel QAT) is not correct in Windows Device Manager on dual-processor systems.
- Addressed an issue where the PCI speed might be incorrect when setting "Maximum PCI Express Speed" to "Per Port Control".

Enhancements:

- Added support for Agentless Attestation. This security capability allows detecting potentially malicious changes to the system by obtaining system measurements (which include firmware revisions, configuration settings, and the hardware configuration) via the Redfish API.
- Added segment value in PCI addresses under RBSU PCI device information.
- Added new System Configuration (RBSU) configuration options that allow controlling Intel OSB function.

This includes the [OSB Local/Remote Read] option with settings of [Disabled] (default) and [Auto] options that allows setting Intel Opportunistic Snoop Broadcast. When the [OSB Local/Remote Read] option is configured for [Disabled], BIOS will disable OSB function. When the [OSB Local/Remote Read] option is configured for [Auto], BIOS will automatically decides based on silicon compatibility. In System Configuration (RBSU), these options are located under the BIOS/Power and Performance Options/Intel UPI Options. This setting has the following Redfish properties:
`/redfish/v1/systems/1/bios/settings/OsbLocalRemoteRead.`

Online ROM Flash Component for Windows x64 - System ROM U63

Version: 1.46_09-26-2023 (Recommended)

Problems Fixed:

- Addressed an issue where the MegaRAID controller status is displayed as "unknown" on the iLO web page.
- Address an issue with certain 4th Generation Intel Xeon Processors that can result in an unexpected reset with a machine check error logged to the Integrated Management Log (IML). This issue is not unique to Hitachi systems. The following is Intel's description of the issue:
 - Under complex microarchitectural conditions, the processor may experience a Caching Home Agent Table of Requests (TOR) timeout machine check exception.
 - This version of the System ROM will update internal processor firmware during boot. This internal processor firmware cannot be downgraded even if the System ROM is downgraded. Using processors with different versions of internal processor firmware is not supported.
- Addressed an issue where the speed of Kioxia EDSFF drive might be downgraded from PCIe Generation 5 to Generation 4.
- Addressed an issue where the "One-Time Boot" feature over iLO/RESTful does not function properly on Gen11 servers running System ROM 1.40 or earlier.
- Addressed an issue where a drive cannot be unmounted after hot-plug interruption during DPC (Downstream Port Containment) recovery process under VMware.
- Addressed an issue where the system would hang in POST if Intel UPI link enablement was set to single link operation.
- Addressed an issue where the SMBIOS type 38 offset 0x10 had an incorrect value.
- Addressed an issue where the "Minimum Processor Idle Power Core C-state" from RBSU showed an incorrect value when one of "Virtualization - Max Performance", "Low Latency", "Transactional Application Processing", "High Performance Compute (HPC)" workload profiles is selected.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
- Addressed an issue where an incorrect "processor's PUCODE" version showed up on screen during the POST after downgrading the System ROM.
- Addressed an issue where status display of PCIe Root Complex for Intel Quick Assist Technology (Intel QAT) is not correct in Windows Device Manager on dual-processor systems.
- Addressed an issue where the PCI speed might be incorrect when setting "Maximum PCI Express Speed" to "Per Port Control".

Enhancements:

- Added support for Agentless Attestation. This security capability allows detecting potentially malicious changes to the system by obtaining system measurements (which include firmware revisions, configuration settings, and the hardware configuration) via the Redfish API.
- Added segment value in PCI addresses under RBSU PCI device information.

Added new System Configuration (RBSU) configuration options that allow controlling Intel OSB function. This includes the [OSB Local/Remote Read] option with settings of [Disabled] (default) and [Auto] options that allows setting Intel Opportunistic Snoop Broadcast. When the [OSB Local/Remote Read] option is configured for [Disabled], BIOS will disable OSB function. When the [OSB Local/Remote Read] option is configured for [Auto], BIOS will automatically decides based on silicon compatibility. In System Configuration (RBSU), these options are located under the BIOS/Power and Performance Options/Intel UPI Options. This setting has the following Redfish properties:
`/redfish/v1/systems/1/bios/settings/OsbLocalRemoteRead.`

ROM Flash Firmware Package - System ROM U54

Version: 1.46_09-26-2023 (Recommended)

Problems Fixed:

- Addressed an issue where the MegaRAID controller status is displayed as "unknown" on the iLO web page.
- Address an issue with certain 4th Generation Intel Xeon Processors that can result in an unexpected reset with a machine check error logged to the Integrated Management Log (IML). This issue is not unique to Hitachi systems. The following is Intel's description of the issue:
 - Under complex microarchitectural conditions, the processor may experience a Caching Home Agent Table of Requests (TOR) timeout machine check exception.
 - This version of the System ROM will update internal processor firmware during boot. This internal processor firmware cannot be downgraded even if the System ROM is downgraded. Using processors with different versions of internal processor firmware is not supported.
- Addressed an issue where the speed of Kioxia EDSFF drive might be downgraded from PCIe Generation 5 to Generation 4.
- Addressed an issue where the "One-Time Boot" feature over iLO/RESTful does not function properly on Gen11 servers running System ROM 1.40 or earlier.
- Addressed an issue where a drive cannot be unmounted after hot-plug interruption during DPC (Downstream Port Containment) recovery process under VMware.
- Addressed an issue where the system would hang in POST if Intel UPI link enablement was set to single link operation.
- Addressed an issue where the SMBIOS type 38 offset 0x10 had an incorrect value.
- Addressed an issue where the "Minimum Processor Idle Power Core C-state" from RBSU showed an incorrect value when one of "Virtualization - Max Performance", "Low Latency", "Transactional Application Processing", "High Performance Compute (HPC)" workload profiles is selected.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.

- Addressed an issue where an incorrect "processor's PCode" version showed up on screen during the POST after downgrading the System ROM.
- Addressed an issue where status display of PCIe Root Complex for Intel Quick Assist Technology (Intel QAT) is not correct in Windows Device Manager on dual-processor systems.
- Addressed an issue where the PCI speed might be incorrect when setting "Maximum PCI Express Speed" to "Per Port Control".

Enhancements:

- Added support for Agentless Attestation. This security capability allows detecting potentially malicious changes to the system by obtaining system measurements (which include firmware revisions, configuration settings, and the hardware configuration) via the Redfish API.
- Added segment value in PCI addresses under RBSU PCI device information.

Added new System Configuration (RBSU) configuration options that allow controlling Intel OSB function. This includes the [OSB Local/Remote Read] option with settings of [Disabled] (default) and [Auto] options that allows setting Intel Opportunistic Snoop Broadcast. When the [OSB Local/Remote Read] option is configured for [Disabled], BIOS will disable OSB function. When the [OSB Local/Remote Read] option is configured for [Auto], BIOS will automatically decide based on silicon compatibility. In System Configuration (RBSU), these options are located under the BIOS/Power and Performance Options/Intel UPI Options. This setting has the following Redfish properties:
/redfish/v1/systems/1/bios/settings/OsbLocalRemoteRead.

ROM Flash Firmware Package - System ROM U63

Version: 1.46_09-26-2023 (Recommended)

Problems Fixed:

- Addressed an issue where the MegaRAID controller status is displayed as "unknown" on the iLO web page.
- Addressed an issue with certain 4th Generation Intel Xeon Processors that can result in an unexpected reset with a machine check error logged to the Integrated Management Log (IML). This issue is not unique to Hitachi systems. The following is Intel's description of the issue:
 - Under complex microarchitectural conditions, the processor may experience a Caching Home Agent Table of Requests (TOR) timeout machine check exception.
 - This version of the System ROM will update internal processor firmware during boot. This internal processor firmware cannot be downgraded even if the System ROM is downgraded. Using processors with different versions of internal processor firmware is not supported.
- Addressed an issue where the speed of Kioxia EDSFF drive might be downgraded from PCIe Generation 5 to Generation 4.
- Addressed an issue where the "One-Time Boot" feature over iLO/RESTful does not function properly on Gen11 servers running System ROM 1.40 or earlier.
- Addressed an issue where a drive cannot be unmounted after hot-plug interruption during DPC (Downstream Port Containment) recovery process under VMware.
- Addressed an issue where the system would hang in POST if Intel UPI link enablement was set to single

link operation.

- Addressed an issue where the SMBIOS type 38 offset 0x10 had an incorrect value.
- Addressed an issue where the "Minimum Processor Idle Power Core C-state" from RBSU showed an incorrect value when one of "Virtualization - Max Performance", "Low Latency", "Transactional Application Processing", "High Performance Compute (HPC)" workload profiles is selected.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
- Addressed an issue where an incorrect "processor's PUCODE" version showed up on screen during the POST after downgrading the System ROM.
- Addressed an issue where status display of PCIe Root Complex for Intel Quick Assist Technology (Intel QAT) is not correct in Windows Device Manager on dual-processor systems.
- Addressed an issue where the PCI speed might be incorrect when setting "Maximum PCI Express Speed" to "Per Port Control".

Enhancements:

- Added support for Agentless Attestation. This security capability allows detecting potentially malicious changes to the system by obtaining system measurements (which include firmware revisions, configuration settings, and the hardware configuration) via the Redfish API.
- Added segment value in PCI addresses under RBSU PCI device information.

Added new System Configuration (RBSU) configuration options that allow controlling Intel OSB function.

This includes the [OSB Local/Remote Read] option with settings of [Disabled] (default) and [Auto] options that allows setting Intel Opportunistic Snoop Broadcast. When the [OSB Local/Remote Read] option is configured for [Disabled], BIOS will disable OSB function. When the [OSB Local/Remote Read] option is configured for [Auto], BIOS will automatically decide based on silicon compatibility. In System Configuration (RBSU), these options are located under the BIOS/Power and Performance Options/Intel UPI Options. This setting has the following Redfish properties:

`/redfish/v1/systems/1/bios/settings/OsbLocalRemoteRead.`

Online ROM Flash Component for Windows x64 - System ROM U59

Version: 1.46_09-26-2023 (Recommended)

Problems Fixed:

- Addressed an issue where the MegaRAID controller status is displayed as "unknown" on the iLO web page.
- Addressed an issue with certain 4th Generation Intel Xeon Processors that can result in an unexpected reset with a machine check error logged to the Integrated Management Log (IML). This issue is not unique to Hitachi systems. The following is Intel's description of the issue:
 - Under complex microarchitectural conditions, the processor may experience a Caching Home Agent Table of Requests (TOR) timeout machine check exception.
 - This version of the System ROM will update internal processor firmware during boot. This internal processor firmware cannot be downgraded even if the System ROM is downgraded. Using processors with different versions of internal processor firmware is not supported.
- Addressed an issue where the speed of Kioxia EDSFF drive might be downgraded from PCIe Generation 5

to Generation 4.

- Addressed an issue where the "One-Time Boot" feature over iLO/RESTful does not function properly on Gen11 servers running System ROM 1.40 or earlier.
- Addressed an issue where a drive cannot be unmounted after hot-plug interruption during DPC (Downstream Port Containment) recovery process under VMware.
- Addressed an issue where the system would hang in POST if Intel UPI link enablement was set to single link operation.
- Addressed an issue where the SMBIOS type 38 offset 0x10 had an incorrect value.
- Addressed an issue where the "Minimum Processor Idle Power Core C-state" from RBSU showed an incorrect value when one of "Virtualization - Max Performance", "Low Latency", "Transactional Application Processing", "High Performance Compute (HPC)" workload profiles is selected.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
- Addressed an issue where an incorrect "processor's PCode" version showed up on screen during the POST after downgrading the System ROM.
- Addressed an issue where status display of PCIe Root Complex for Intel Quick Assist Technology (Intel QAT) is not correct in Windows Device Manager on dual-processor systems.
- Addressed an issue where the PCI speed might be incorrect when setting "Maximum PCI Express Speed" to "Per Port Control".

Enhancements:

- Added support for Agentless Attestation. This security capability allows detecting potentially malicious changes to the system by obtaining system measurements (which include firmware revisions, configuration settings, and the hardware configuration) via the Redfish API.
- Added segment value in PCI addresses under RBSU PCI device information.

Added new System Configuration (RBSU) configuration options that allow controlling Intel OSB function. This includes the [OSB Local/Remote Read] option with settings of [Disabled] (default) and [Auto] options that allows setting Intel Opportunistic Snoop Broadcast. When the [OSB Local/Remote Read] option is configured for [Disabled], BIOS will disable OSB function. When the [OSB Local/Remote Read] option is configured for [Auto], BIOS will automatically decide based on silicon compatibility. In System Configuration (RBSU), these options are located under the BIOS/Power and Performance Options/Intel UPI Options. This setting has the following Redfish properties:
`/redfish/v1/systems/1/bios/settings/OsbLocalRemoteRead.`

ROM Flash Firmware Package - System ROM U59

Version: 1.46_09-26-2023 (Recommended)

Problems Fixed:

- Addressed an issue where the MegaRAID controller status is displayed as "unknown" on the iLO web page.
- Address an issue with certain 4th Generation Intel Xeon Processors that can result in an unexpected reset with a machine check error logged to the Integrated Management Log (IML). This issue is not unique to Hitachi systems. The following is Intel's description of the issue:

- Under complex microarchitectural conditions, the processor may experience a Caching Home Agent Table of Requests (TOR) timeout machine check exception.
- This version of the System ROM will update internal processor firmware during boot. This internal processor firmware cannot be downgraded even if the System ROM is downgraded. Using processors with different versions of internal processor firmware is not supported.
- Addressed an issue where the speed of Kioxia EDSFF drive might be downgraded from PCIe Generation 5 to Generation 4.
- Addressed an issue where the "One-Time Boot" feature over iLO/RESTful does not function properly on Gen11 servers running System ROM 1.40 or earlier.
- Addressed an issue where a drive cannot be unmounted after hot-plug interruption during DPC (Downstream Port Containment) recovery process under VMware.
- Addressed an issue where the system would hang in POST if Intel UPI link enablement was set to single link operation.
- Addressed an issue where the SMBIOS type 38 offset 0x10 had an incorrect value.
- Addressed an issue where the "Minimum Processor Idle Power Core C-state" from RBSU showed an incorrect value when one of "Virtualization - Max Performance", "Low Latency", "Transactional Application Processing", "High Performance Compute (HPC)" workload profiles is selected.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
- Addressed an issue where an incorrect "processor's PCode" version showed up on screen during the POST after downgrading the System ROM.
- Addressed an issue where status display of PCIe Root Complex for Intel Quick Assist Technology (Intel QAT) is not correct in Windows Device Manger on dual-processor systems.
- Addressed an issue where the PCI speed might be incorrect when setting "Maximum PCI Express Speed" to "Per Port Control".

Enhancements:

- Added support for Agentless Attestation. This security capability allows detecting potentially malicious changes to the system by obtaining system measurements (which include firmware revisions, configuration settings, and the hardware configuration) via the Redfish API.
- Added segment value in PCI addresses under RBSU PCI device information.

Added new System Configuration (RBSU) configuration options that allow controlling Intel OSB function. This includes the [OSB Local/Remote Read] option with settings of [Disabled] (default) and [Auto] options that allows setting Intel Opportunistic Snoop Broadcast. When the [OSB Local/Remote Read] option is configured for [Disabled], BIOS will disable OSB function. When the [OSB Local/Remote Read] option is configured for [Auto], BIOS will automatically decides based on silicon compatibility. In System Configuration (RBSU), these options are located under the BIOS/Power and Performance Options/Intel UPI Options. This setting has the following Redfish properties:
/redfish/v1/systems/1/bios/settings/OsbLocalRemoteRead.

Problems Fixed:

- Fixed potential security vulnerability CVE-2023-30911.
- Increased the maximum boot order to 512 as specified by UEFI EV specification.
- Incorrect sensor values for some sub-components in IPMI response.
- The "Ignore" option for the "Global Component Integrity" security parameter in the iLO Security Dashboard gets automatically disabled.
- The discrepancy between M.2 Slot Name with Redfish URI and iLO GUI is removed. The product name getting from backend will be displayed in redfish and UI as well.
- Enforced a limit of 14 bytes for DHCP v4 clientId. An error response of "400 - Bad Request" will be observed if the length is beyond 14 characters.
- Removal of duplicate sensor entries from IPMI response.
- UefiDevicePath length increased from 256 bytes to 1024 bytes.
- Incorrect reporting of the firmware version of Intel NVMe drives
- iLO Two-Factor authentication login fails when AD user login name is used as username for iLO Login instead of AD user display name
- Incorrect reporting of the Nic card port status from IPMI SDR list
- Handling delayed device discovered in UEFI mode during discovery phase.
- Persist the KCS interface setting across iLO reboots.
- Capability to enable KCS interface setting without needing a factory reset.
- DL380 Gen11 binding vfio-pci driver to Intel E810 NIC causes iLO health monitoring failure.
- Schema Errors reported under /redfish/v1/ComponentIntegrity/.
- Incorrect Tasks status is shown when Redfish delete volume with Long Running Test.
- During Bundle update one of the component f/w update fails.
- CPU Utilization graph is not updating when CPU is stressed.
- Fixed DIMM temperature reading data issue
- Fixed the issue of Firmware flash fails during system reboots.
- Fixed the issue of iLO Recovery from FTP not working
- Fixed the issue of Hostname property & value missing in most of the REST events logged in Listener.
- Fixed the issue of iLO UI/REST interfaces inaccessible when attempt to create event subscription during server POST complete.

Enhancements:

- Added Enable/Disable of User Accounts option from Redfish and iLO GUI.
- iLO needs to provide IPv4 address for RDE enabled NIC.
- iLO enhancements to support SMBIOS 3.86 spec (type 197 and 242).
- Support for telemetry streaming using Redfish event subscription
- Added capability in iLO for Two Factor Authentication using OTP (One Time Password) for Microsoft AD users.
- iLO to mark the correct component update status for runtime agent updatable components based on the update status and update result.

- iLO will display Intel CFR Version in Process Information Page.
- Added support for MCTP Device handling for FLR and BDF changes at runtime.
- Added support to enable and disable IPMI KCS interface through iLO web interface and iLO Redfish API.
- Hostname to be included in body of Redfish event
- Enhance the update experience for PLDM Type-A components
- Supportability Improvement for DIAG Secure Element
- Granular enable/disable of SNMP V1/V3 version

Online ROM Flash Firmware Package - iLO 6

Version: 1.53 (Recommended)

Problems Fixed:

- Fixed potential security vulnerability CVE-2023-30911.
- Increased the maximum boot order to 512 as specified by UEFI EV specification.
- Incorrect sensor values for some sub-components in IPMI response.
- The "Ignore" option for the "Global Component Integrity" security parameter in the iLO Security Dashboard gets automatically disabled.
- The discrepancy between M.2 Slot Name with Redfish URI and iLO GUI is removed. The product name getting from backend will be displayed in redfish and UI as well.
- Enforced a limit of 14 bytes for DHCP v4 clientId. An error response of "400 - Bad Request" will be observed if the length is beyond 14 characters.
- Removal of duplicate sensor entries from IPMI response.
- UefiDevicePath length increased from 256 bytes to 1024 bytes.
- Incorrect reporting of the firmware version of Intel NVMe drives
- iLO Two-Factor authentication login fails when AD user login name is used as username for iLO Login instead of AD user display name
- Incorrect reporting of the Nic card port status from IPMI SDR list
- Handling delayed device discovered in UEFI mode during discovery phase.
- Persist the KCS interface setting across iLO reboots.
- Capability to enable KCS interface setting without needing a factory reset.
- DL380 Gen11 binding vfio-pci driver to Intel E810 NIC causes iLO health monitoring failure.
- Schema Errors reported under /redfish/v1/ComponentIntegrity/.
- Incorrect Tasks status is shown when Redfish delete volume with Long Running Test.
- During Bundle update one of the component f/w update fails.
- CPU Utilization graph is not updating when CPU is stressed.
- Fixed DIMM temperature reading data issue
- Fixed the issue of Firmware flash fails during system reboots.
- Fixed the issue of iLO Recovery from FTP not working
- Fixed the issue of Hostname property & value missing in most of the REST events logged in Listener.
- Fixed the issue of iLO UI/REST interfaces inaccessible when attempt to create event subscription during server POST complete.

Enhancements:

- Added Enable/Disable of User Accounts option from Redfish and iLO GUI.
- iLO needs to provide IPv4 address for RDE enabled NIC.
- iLO enhancements to support SMBIOS 3.86 spec (type 197 and 242).
- Support for telemetry streaming using Redfish event subscription
- Added capability in iLO for Two Factor Authentication using OTP (One Time Password) for Microsoft AD users.
- iLO to mark the correct component update status for runtime agent updatable components based on the update status and update result.
- iLO will display Intel CFR Version in Process Information Page.
- Added support for MCTP Device handling for FLR and BDF changes at runtime.
- Added support to enable and disable IPMI KCS interface through iLO web interface and iLO Redfish API.
- Hostname to be included in body of Redfish event
- Enhance the update experience for PLDM Type-A components
- Supportability Improvement for DIAG Secure Element
- Granular enable/disable of SNMP V1/V3 version

Integrated Smart Update Tools 4.5.0 for ESXi 7.0

Version: 2023.09.00 (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 Windows x64

Version: 4.5.0.0 (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

Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows

Version: 10.1.19577.8410 (Recommended)

Enhancements

Initial release.

Identifiers for Intel Xeon Scalable Processors (Fourth Generation) for Microsoft Windows

Version: 10.1.19485.8386 (Recommended)

Enhancements

- Updated supported platforms

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019

Version: 226.0.108.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 226.1.107.0 or later, for use with this driver.

Fixes

- This product addressed the code initialization in NDSPI(Network Direct Service Provider Interface) to enhance retransmit capability.
- This product addressed the data retrieval for better RDMA connection.
- This product addressed the disablement support of CQ overflow detection.

Enhancements

- This product enhanced NDIS packet drop monitoring support for Windows Server vNext.
- This product enhanced to Implement RoCE variable size WQE(Work Queue Element) support for RDMA.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022

Version: 226.0.108.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 226.1.107.0 or later, for use with this driver.

Fixes

- This product addressed the code initialization in NDSPI(Network Direct Service Provider Interface) to enhance retransmit capability.
- This product addressed the data retrieval for better RDMA connection.
- This product addressed the disablement support of CQ overflow detection.

Enhancements

- This product enhanced NDIS packet drop monitoring support for Windows Server vNext.
- This product enhanced to Implement RoCE variable size WQE(Work Queue Element) support for RDMA.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 221.0.5.0 (B) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.4.0 or later, for use with this driver.

Enhancements

This product adds to support HPE MicroServer Gen11

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0

Version: 2023.09.00 (Recommended)

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 CPOxxxxx.xml file.

- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 226.1.107000 or later, for use with this driver.

Fixes

- This product corrects an issue PSOD seen with iperf traffic, when rx-ring size less than 256 bytes.
- This product corrects an issue Packet drops in ENS mode for tunnel traffic due to checksum issues.
- This product corrects an issue VXLAN tunnel port configuration failure during driver reload
- This product corrects an issue BFD (Bidirectional Forwarding Detection) control failures in NSX environment.
- This product corrects an issue ENS driver invokes driver APIs with spinlock, causing system crash.
- This product corrects an issue No VLAN strip issue, when VSAN configs is invoking VLAN stripping enable followed by disable before the driver sends first time config to firmware.

Enhancements

This product enhances driver logging as more generic and appropriate.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Intel igbn Driver for VMware vSphere 7.0

Version: 2023.09.00 (Recommended)

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 CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.21.0 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMs might be interrupted if PF undergoes a reset.

Supported Devices and Features

These drivers support the following network adapters:

- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
- Intel(R) I350 Gigabit Network Connection

Intel ica Driver for Microsoft Windows Server 2022

Version: 1.12.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.20 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of CVL4.2.

Supported Devices and Features

This driver supports the following HPE Intel ICEA network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Intel ica Driver for Windows Server 2019

Version: 1.12.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.20 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of CVL4.2.

Supported Devices and Features

This driver supports the following HPE Intel ICEA network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Intel icen Driver for VMware vSphere 7.0

Version: 2023.09.00 (Recommended)

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 Intel Firmware Package For E810 Ethernet Adapter, version 4.20 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMs might be interrupted if PF undergoes a reset.

Enhancements

This product fix an issue that TCP traffic on VMs might be interrupted if PF undergoes a reset.

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0

Update 3

Version: 2022.11.09 (A) (Recommended)

Important Note!

Important: Version 4.22.73.1004 supports VMware ESXi 7.0 Update 3 only. Known Issues with driver version 4.22.73.1004:

- A mismatch between the uplink and the VF MTU values may result in CQE with error. Workaround:: Align the uplink and the VF MTU values.
- Enabling sriov_mc_isolation module parameter may result in vmknic and emulated NICs multicast and IPv6 traffic loss. Workaround: Unset or set the module parameter to 0.
- RDMA is not supported in the Hypervisor with ENS (Enhanced Network Stack) model 2.
- 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.
- ECN (Explicit congestion notification) statistic counters accumulatorsPeriod and ecnMarkedRocePackets display wrong values and cannot be cleared.
- ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.
- Card's speed remains zero after port goes down and reboot is performed.
- RoCE traffic may fail after vMotion when using namespace.

- Legacy SR-IOV is not supported with Model 1.
- When in ENS mode, changing the scheduler to HCLK, may cause traffic loss.
- 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

Fixes included in driver version 4.22.73.1004:

- Fixed an issue that caused a ParaVirtual VM to lose traffic after resuming from the suspend mode when SR-IOV was enabled in the system.
- Cleaned steering rule from FDB when VF is being quiesced.
- Fixed an issue that caused the driver to configure the incorrect SL value for RoCE with RDMACM.

Enhancements

New features and changes in driver version 4.22.73.1004:

- Firmware CR dump will now be collected automatically into ZDUMP PSOD or on livedump for debuggability purposes.
- Enabled the driver to read the temperature from private statistics.

To see the temperature, run:# nsxdp-cli ens uplink stats get -n vmnic1 | grep -i asicSensorTemperature

- Added support for Hardware Accelerated GENEVE and VXLAN encapsulation and decapsulation for RoCE traffic.
- Hardware accelerated flows can now be mirrored using the standard packet capture tools.
- Added the ability to offload NSX Distributed Firewall rules by using in-hardware tracking of packet flows.
- RSS support for ENS Model 1 improves performance using fewer CPU cores. This capability can be enabled using the "netq_rss_ens" module parameter.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P10112-B21	Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000241
P13188-B21	Mellanox MCX512F-ACHT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000416
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT_0000000437
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28	MT_0000000551

	OCP3 Adapter for HPE	
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019

Version: 23.4.26054.0 (Recommended)

Enhancements

Updated the ports' number information in the Device Manager. Now the Information Pane of Properties of NIC adapter displays information of more than 2 ports.

Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter
- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022

Version: 23.4.26054.0 (Recommended)

Enhancements

Updated the ports' number information in the Device Manager. Now the Information Pane of Properties of NIC adapter displays information of more than 2 ports.

Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter
- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Intel QuickAssist Technology driver for Microsoft Windows

Version: 2.0.40.3 (B) (Optional)

Enhancements

- Added support for Superdome 3200

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0

Version: 2023.05.01 (B) (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 vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Enhancements

Support HPE DL20 and ML30 Gen11 servers.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition

Version: 7.724.2.0 (B) (Recommended)

Enhancements

Support HPE ML30 and DL20 Gen11 server.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition

Version: 7.724.2.0 (B) (Recommended)

Enhancements

Support HPE ML30 and DL20 Gen11 server.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).

Version: 2023.10.01 (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 vmware.com, plus an HPE specific CPXXXX.xml file.

Fixes

- Fixed an issue when PSOD occurs while attempting to access memory which had already been released.
- Fixed an issue where PSOD is observed during array creation and deletion.
- Fixed an issue where datastore creation using logical drive from VMware client GUI is too slow.
- Fixed an issue where the Hotswapped HBA drives are detected after 20 minutes or when a manual rescan is done.

HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022

Version: 1010.74.0.1020 (Recommended)

Fixes

- Fixed an issue where the random drives in the system were going offline after a hot plug and reboot.

Enhancements

- Added registry value "LunResetBehavior" feature. Setting this registry value changes the SRB_FUNCTION_RESET_LOGICAL_UNIT behavior. The new LUN reset behavior is to return the SRB status after the internal TMF LUN reset command completes. If the TMF does not complete, the driver will let it hang until timeout. The new behavior for the TMF LUN reset timeout is set to what the SRB timeout passes into the miniport. HW_RESET_BUS hardware callback routine will pause the controller I/O for up to 25 seconds while checking to see if controller completes all I/O within 18 seconds. If I/O is still not completed then the callback hardware bus reset will be failed. If the driver does not detect any outstanding I/O after 18 seconds, then the hardware bus reset callback will be marked as successful. Note: The new reset LUN behavior will only occur if the registry value "LunResetBehavior" is present and set to 1.

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019

Version: 9.4.8.20 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Enhancements

Updated to version 9.4.8.20

Supported Devices and Features

This component is supported on following QLogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022

Version: 9.4.8.20 (Recommended)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Enhancements

Updated to version 9.4.8.20

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019

Version: 4.7.1.0 (C) (Optional)

Enhancements

- Updated supported platforms

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (C) (Optional)

Enhancements

- Updated supported platforms

iLO 6 Channel Interface Driver for Microsoft Windows Server 2019

Version: 4.7.1.0 (C) (Optional)

Enhancements

- Updated supported platforms

iLO 6 Channel Interface Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (C) (Optional)

Enhancements

- Updated supported platforms

Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019 and 2022

Version: 9.15.1.248 (B) (Optional)

Enhancements

- Updated supported platforms

Broadcom Firmware Package for BCM5741x adapters

Version: 226.1.107.0 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 226.0.108.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-226.0.139.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2023.09.00 or later

Fixes

- This product addressed device lost symptom after continuously ungraceful restart on BCM57414 OCP3 adapter.
- This product addressed some RDE pattern format for some LLDP properties.
- This product addressed the NC-SI passthrough with BMC when device is under idle mode.
- This product addressed new mechanism for loading factory default.

Enhancements

- This product enhanced the device self-diagnostic matrix and MAC verification.
- This product enhanced the link-speed calculation for internal variable.

Supported Devices and Features

This product supports the following network adapters:

Broadcom Firmware Package for BCM5750x adapters

Version: 226.1.107.0 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 226.0.108.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-226.0.139.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2023.09.00 or later

Fixes

- This product addressed some RDE pattern format for some LLDP properties.
- This product addressed the NC-SI passthrough with BMC when device is under idle mode.
- This product addressed new mechanism for loading factory default.

Enhancements

- This product enhanced the device self-diagnostic matrix and MAC verification.
- This product enhanced the link-speed calculation for internal variable.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for VMware

Version: 1.36.2 (Recommended)

Important Note!

This software package contains combo image v20.27.42 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.48	21.6.2	1.5.49	21.6.66
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.48	21.6.2	1.5.49	21.6.66
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.48	21.6.2	1.5.49	21.6.66
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.42	21.6.2	1.5.49	21.6.66

Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

Fixes

- This product addressed abnormal fan behavior when BCM5719 OCP3 installed.
- This product addressed the failure of IP dispatch when using BCM5719 LOM as shared iLO networking.
- This product addressed that platform might encounter a POST failure when NX1-based controllers and some storage controllers combines.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.3.6.0 (Recommended)

Important Note!

HPE recommends Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 221.0.5.0 (C) or later, for use with this firmware.

This software package contains combo image v20.27.42 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.48	21.6.2	1.5.49	21.6.66
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.48	21.6.2	1.5.49	21.6.66
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.48	21.6.2	1.5.49	21.6.66
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.42	21.6.2	1.5.49	21.6.66

Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

Fixes

- This product addressed abnormal fan behavior when BCM5719 OCP3 installed.
- This product addressed the failure of IP dispatch when using BCM5719 LOM as shared iLO networking.
- This product addressed that platform might encounter a POST failure when NX1-based controllers and some storage controllers combines.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

Version: 4.20 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter

Version: 4.20 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel iceda Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhanced to improve the functions in the future release

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter

Version: 4.20 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel iceda Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhanced to improve the functions in the future release

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

Version: 4.20 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel iceda Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhanced to improve the functions in the future release

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter

Version: 4.20 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel iceda Driver for Microsoft Windows Server, version 1.12.164.0 or later
- Intel ice Drivers for Linux, version 1.11.14-1 or later
- Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhanced to improve the functions in the future release

Fixes

- This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property
- This product addresses an issue where UMCE is seen

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

Supported Devices and Features

This product supports the following network adapters:

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

Intel Online Firmware Upgrade Utility for VMware

Version: 3.21.0 (Recommended)

Important Note!

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NV M Version	OROM Version	NVM Version
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	80001099	1.3353.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001199	1.3353.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3353.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3353.0	N/A

The combo image v1.3353.0 includes: Boot Agent: 1GbE - v1.5.89, 10GbE - v2.4.45, 40GbE - v1.1.42 & UEFI Drivers: 1GbE - v9.8.24, 10GbE - v8.2.06, 40GbE - v4.9.49

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product now supports VMware vSphere 8.0.

Supported Devices and Features

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)

Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.3.5.0 (Recommended)

Important Note!

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NV M Version	OROM Version	NVM Version
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	80001099	1.3353.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001199	1.3353.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3353.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3353.0	N/A

The combo image v1.3353.0 includes: Boot Agent: 1GbE - v1.5.89, 10GbE - v2.4.45, 40GbE - v1.1.42 & UEFI Drivers: 1GbE - v9.8.24, 10GbE - v8.2.06, 40GbE - v4.9.49

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with new drivers

Supported Devices and Features

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)

Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Version: 26.37.1700 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at:

<https://docs.nvidia.com/networking/display/ConnectX6LxFirmwarev26371014/Known+Issues>

Note: The firmware version xx.37.1014 is generic firmware distributed by NVIDIA and is not published by HPE. HPE does not recommend customers to use the version xx.37.1014, however the list of 'Known issues' remain the same between the versions xx.37.1700 and xx.37.1014.

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 26.37.1700:

- An issue that prevented the adapter card from handling WoL packets when the host powered up directly into the standby mode.
- CNP received, handled, and ignored counters in the hardware counters could not work after moving to Programmable Congestion Control mode.

Enhancements

New features and changes included in version 26.37.1700:

- Modified the RDE behavior to return an error if the chassis ID subtype is AgentId, or Port ID subtype is

ChassisComp.

- Enabled VF LAG hash mode. The LAG_RESOURCE_ALLOCATION mlxconfig field is now modifiable.
- A new capability enables the VM to track and limit its Vport's activity. This is done using the new q_counters counter which enables aggregation of other Vport's from PF GVMI.
- Added a flow rule that enables offloading of multicast traffic by broadcasting it to multi-Flow-Table in FDB.
- Enables a smooth and statically switch between PCC algorithms. In addition, the user can now switch between PCC algorithms while running traffic.
- Added support for 32 actions in the header modify pattern using bulk allocation.

Supported Devices and Features

HPE Part Number

Mellanox Ethernet Only Adapters

PSID

P42044-B21

Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

MT_0000000575

Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 26.37.1700 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at:

<https://docs.nvidia.com/networking/display/ConnectX6LxFirmwarev26371014/Known+Issues>

Note: The firmware version xx.37.1014 is generic firmware distributed by NVIDIA and is not published by HPE. HPE does not recommend customers to use the version xx.37.1014, however the list of 'Known issues' remain the same between the versions xx.37.1700 and xx.37.1014.

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 26.37.1700:

- An issue that prevented the adapter card from handling WoL packets when the host powered up directly

into the standby mode.

- CNP received, handled, and ignored counters in the hardware counters could not work after moving to Programmable Congestion Control mode.

Enhancements

New features and changes included in version 26.37.1700:

- Modified the RDE behavior to return an error if the chassis ID subtype is AgentId, or Port ID subtype is ChassisComp.
- Enabled VF LAG hash mode. The LAG_RESOURCE_ALLOCATION mlxconfig field is now modifiable.
- A new capability enables the VM to track and limit its Vport's activity. This is done using the new q_counters counter which enables aggregation of other Vport's from PF GVMi.
- Added a flow rule that enables offloading of multicast traffic by broadcasting it to multi-Flow-Table in FDB.
- Enables a smooth and statically switch between PCC algorithms. In addition, the user can now switch between PCC algorithms while running traffic.
- Added support for 32 actions in the header modify pattern using bulk allocation.

Supported Devices and Features

HPE Part Number

Mellanox Ethernet Only Adapters

PSID

P42041-B21

Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

MT_0000000551

Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT

Adapter : HPE part numbers P31246-B21 and P31246-H21

Version: 16.35.3006 (Recommended)

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

Choose the appropriate firmware file format based on your preference and what suits your environment.

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your

purchase of the HPE product or solution. A list of known issues with this release is available at:
<https://docs.nvidia.com/networking/display/ConnectX5Firmwarev16353006LTS/Known+Issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 16.35.3006:

- Packet loss that occurred when restarting the transmit.
- An issue that prevented RoCE malformed packets (UDP packet with dest_port equal to RoCE well known udp_dport (0x4791)) from being counted on the vport_counter when the function disables RoCE (through MODIFY_NIC_VPORT_CONTEXT command).
- A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).
- Added a missing VLAN strip.

Enhancements

Important : Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

New features and changes included in version 16.35.3006:

- Enabled ACS for single port cards.
- Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs participating in the LAG.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox Ethernet Only Adapters

Firmware Version

PSID

16.35.3006

MT_000000591

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21

Version: 20.38.1002 (Recommended)

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

Choose the appropriate firmware file format based on your preference and what suits your environment.

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

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 20.38.1002:

- A link failure that occurred due to a wrong 'is_inphi_cable' indication.
- Fixed a firmware assert that occurred when tried to verify if the module supported "swap".

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.38.1002:

- Improved token calculation.
- Added support for forwarding INT packets to the user application for monitoring purposes by matching

the BTH acknowledge request bit (bth_a).

- Non-privileged users are now blocked by default from setting controlled/ privileged QKEYs (QKEY with MSB set).

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter

Firmware Version

PSID

20.38.1002

MT_0000000453

Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE

Version: 22.37.1700 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at:

<https://docs.nvidia.com/networking/display/ConnectX6DxFirmwarev22371014/Known+Issues>

Note: The firmware version xx.37.1014 is generic firmware distributed by NVIDIA and is not published by HPE. HPE does not recommend customers to use the version xx.37.1014, however the list of 'Known issues' remain the same between the versions xx.37.1700 and xx.37.1014.

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 22.37.1700:

- No ping in NODNIC VF when VLAN stripping was enabled.
- vDPA application initialization failed due to virtual queue creation failure. The failure came with the "0x8f7a: ring address translate failed" assert which indicates incorrect permission supplied by QEMU for virtual ring memory.
- CNP received, handled, and ignored counters in the hardware counters could not work after moving to Programmable Congestion Control mode.

Enhancements

New features and changes included in version 22.37.1700:

- Added a safety mechanism to prevent the link from getting stuck when receiving bad tuning results. In this case, the linkup flow is restarted and the mechanism retries to raise the link.
- Improved rate limit token re-distribution algorithm.
- Improved non-consumed bandwidth re-distribution.
- Added mergeable buffer support (VIRTIO_NET_F_MRG_RXBUF in virtio spec) for VDMA kernel mode to improve performance in case of large MTU such as 9K. The feature is disabled by default and must be manually enabled while creating or modifying the virtio device.

Note: For best performance, it is NOT recommended to enable the feature if the VDMA MTU is set to the default value (1500).

- A new capability that enables the VM to track and limit its Vport's activity. This is done using the new q_counters counter which enables aggregation of other Vport's from PF GVMIO.
- Added a flow rule that enables offloading of multicast traffic by broadcasting it to multi-Flow-Table in FDB.
- Enables a smooth and statically switch between PCC algorithms. In addition, the user can now switch between PCC algorithms while running traffic.
- Added support for running PCC firmware trace without saving and sending the DB strings to the tool with the following changes:

Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNC Drives

Version: HPK4 (Recommended)

Fixes

- Fix bugs found in the previous version and improve on TTR (Time To Ready) requirement to fix device temporarily not found issue after hot-plug.

Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (Recommended)

Fixes

- Reverted OCP spec features to maintain compliance to OCP spec commands over NVMe-MI
- Implemented real Active Measured Latency by adding OCP 2.0 C3 Log page

Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (Recommended)

Fixes

- Reverted OCP spec features to maintain compliance to OCP spec commands over NVMe-MI
- Implemented real Active Measured Latency by adding OCP 2.0 C3 Log page

Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK4 (Recommended)

Fixes

- Fix bugs found in the previous version and improve on TTR (Time To Ready) requirement to fix device temporarily not found issue after hot-plug.

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (Recommended)

Fixes

- Fix for V6 Read disturb issue (which might have caused data integrity issue) and other issues.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (Recommended)

Fixes

- Fix for V6 Read disturb issue (which might have caused data integrity issue) and other issues.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (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.

Fixes

- Improve the FW about data mismatch after SPL issued.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG7 (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.

Fixes

Fixes a false indication of rare capacitor test failure

Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (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.

Fixes

- Improve the FW about data mismatch after SPL

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (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.

Fixes

- Improve the FW about data mismatch after SPL issued.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives

Version: HPG7 (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.

Fixes

Fixes a false indication of rare capacitor test failure

Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (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.

Fixes

- Improve the FW about data mismatch after SPL

Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r

Version: 1.2.14.1012 (Recommended)

Important Note!

Current firmware has to be 1.0.14.1063 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.0.14.1063 in below link:

- Windows: <https://www.hpe.com/global/swpublishing/MTX-be195b2891724ec8bb72c8bb2>
- Linux: <https://www.hpe.com/global/swpublishing/MTX-269e14d0e2524277bf699f433>
- VMware: <https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6>

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 servers.
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers

Fixes

- Resolved duplicated Volume UniqueID.
- Resolved NS204i firmware update failure along with SPS firmware update

Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller

Version: 52.24.3-4948 (B) (Recommended)

Important Note!

This firmware version to be used on HPE MR216i-o Gen11 Controller.

Enhancements

Support HPE ML30 and DL20 Gen11 server.

Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller

Version: 52.24.3-4948 (B) (Recommended)

Important Note!

This firmware version to be used on HPE MR216i-p Gen11 Controller.

Enhancements

Support HPE ML30 and DL20 Gen11 server.

Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller

Version: 52.24.3-4948 (B) (Recommended)

Important Note!

This firmware version to be used on HPE MR408i-o Gen11 Controller.

Enhancements

Support HPE ML30 and DL20 Gen11 server.

Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller

Version: 52.24.3-4948 (B) (Recommended)

Important Note!

This firmware version to be used on HPE MR416i-o Gen11 Controller.

Enhancements

Support HPE ML30 and DL20 Gen11 server.

Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller

Version: 52.24.3-4948 (B) (Recommended)

Important Note!

This firmware version to be used on HPE MR416i-p Gen11 Controller.

Enhancements

Support HPE ML30 and DL20 Gen11 server.

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11

Controllers

Version: 03.01.23.072 (Recommended)

Fixes

- Fixed issues related to spare drive functionality.
- Fixed issues pertaining to Self-Encrypting Drive (SED) functionality.
- Fixed an issue where rebuild was being reiterated continuously and not progressing.
- Fixed controller detection issues during system boot, including rare cases that could lead to PSOD or RSOD errors.
- Fixed an issue where the SR932i-p Gen11 controller was not assigned an EID.
- Fixed an issue where rebuild was being reiterated continuously and not progressing.
- Fixed an issue where Redfish events of battery and WriteCache do not meet requirements.
- Fixed an issue where firmware incorrectly reported unrecoverable media errors.
- Fixed an issue where the surface scan progress status is displayed as "In progress" even after disabling the surface scan on the controller.
- Fixed an issue where rebuild was being reiterated continuously and not progressing.
- Fixed an issue related to the failure of the clear controller configuration command.
- Fixed an issue where an Uncorrectable error PSOD observed after power on.
- Fixed an issue where the Unique ID of different SATA disks is the same in Windows.
- Fixed an issue of power surge when too many SATA drives are spinning up simultaneously.
- Fixed issues where logical drives were lost after a controller reset to factory defaults, especially when the 'preserve logical drive' option was enabled, and after an abrupt reboot where the controller reset to factory defaults, causing RAID loss.
- Fixed migrating a SmartCache when destination controller has existing logical drive.
- Fixed inaccuracies in SES enclosure behavior during hot-adding and hot-removing procedures.
- Fixed an issue where the controller was providing incorrect mode page information regarding the Write Cache attribute of NVMe drives.
- Fixed an issue causing system freezes during boot after enabling Secured-Core (DMAR) in RBSU.
- Fixed an issue where the BatteryMissing event was not being sent when the battery was removed prior to boot.
- Fixed an issue where a DriveOffline Redfish alert is not sent when a Drive resource initiated a sanitize operation.
- Fixed an issue where the controller's attempt to update an unflashable UBM resulted in an error report.
- Fixed an issue where an unflashable SMP PSOC (System Management Processor Programmable System-on-Chip) device was incorrectly appearing in the Type 5 downstream devices.
- Fixed an issue where driver health error messages were not displayed when the system language was changed to a non-English language.

- Fixed an issue of incorrectly reporting the WriteCachePolicy for a Volume resource as "ProtectedWriteBack" when the cache was temporarily disabled.
- Correct Redfish properties when backup power source is removed.
- Fixed an issue where the controller failed to report storage information in the absence of physical drives.
- Fixed an issue where an unexpected 'BatteryCharging' event was reported when no battery was present.

Enhancements

- Added support for improving secure erase time for disks supporting the WRITE SAME command.
- Added support for switching persistent event log policy without clearing the existing event logs.
- Added support for Remote Key Management of Managed SED.
- Added support for 256 bytes Key Management Service (KMS) key identifier.
- Added support for reporting surface scan metrics for host management tools.
- Added support to allow re-enabling logical drive with rebuild option.
- Introduce an HII option labeled 'Configure Controller UEFI Driver Health Reporting' within the 'Configure Controller Settings' menu to provide the capability to enable or disable the reporting of configuration errors and driver health.
- Introduce an HII option labeled 'Controller Password State' within the CBE (Controller-Based Encryption) settings, enabling the actions to unset, temporarily suspend, and resume the controller password.
- Updated the Redfish resource to align with the DMTF 2022.2 schema bundle, including the incorporation of Redfish annotations.
- Adjusted the severity for Redfish Volume Status.Health state and DriveOffline alert for Foreign SED.
- Create Redfish Volumes with a RAIDType set to 'None' for HBA (Host Bus Adapter) drives.

Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10

Version: 5.61 (D) (Recommended)

Enhancements

Support Gen10, Gen10 Plus and Gen11 servers

Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10

Version: 5.61 (D) (Recommended)

Enhancements

Support Gen10, Gen10 Plus and Gen11 servers

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)

Version: 2023.10.01 (Recommended)

Important Note!

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at

<http://www.hpe.com/servers/spp/download>.

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2023.10.01 (Recommended)

Important Note!

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The HPE supplied Qlogic driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2023.10.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The HPE supplied Qlogic driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.08.05	09.12.01	7.34	0

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers

Version: 1.20 (E) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM2 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE smart array controllers(Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM2 firmware when direct attached the the server

It doesn't support flash FWPKG on Gen10/Gen10 Plus 2023.03.00.00 SPP and we expect to support this feature on 2023.09.

Prerequisites

- For Gen11 servers, iLO 6 version 1.10 or later is required.
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required

Enhancements

Support both Gen10P and Gen11 servers

Firmware Package - UBM5 Backplane PIC PLDM Firmware for Gen11 servers usage

Version: 1.10 (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM5 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) on HPE Alletra 4120 Server
- PLDM FWPKG component can be supported installation of UBM5 firmware when direct attached the the server

It doesn't support flash FWPKG on Gen10/Gen10 Plus 2023.03.00.00 SPP and we expect to support this feature on 2023.09

Prerequisites

iLO 6 version 1.10 or later is required.

Fixes

Fix FRU issue

Enhancements

- Made aggregated interrupt handler more efficient for 6th I2C bus handler
- eliminated counters in 6th I2C bus
- enabled I2C health monitor

Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage

Version: 1.04 (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM6 firmware when attached to HPE

SR416i/SR932 controllers(Firmware version 3.01.09.056 or later is need) or HPE Smart Array controllers (Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)

- PLDM FWPKG component can be supported installation of UBM6 firmware when direct attached the the server

Prerequisites

- iLO 6 version 1.10 or later is required.

Enhancements

- Add i2c error event check

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.00.04.075.0 (Recommended)

Enhancements

Version 06.00.04.075.0 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.00.04.075.0 (Recommended)

Enhancements

Version 06.00.04.075.0 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.00.04.075.0 (Recommended)

Enhancements

Version 06.00.04.075.0 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.00.04.075.0 (Recommended)

Enhancements

Version 06.00.04.075.0 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.00.04.075.0 (Recommended)

Enhancements

Version 06.00.04.075.0 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.00.04.075.0 (Recommended)

Enhancements

Version 06.00.04.075.0 firmware

HPE Agentless Management Bundle Smart Component on ESXi for Gen11 Servers

Version: 2023.09.01 (Recommended)

Fixes

- Fixed incorrect slot type is displayed on Gen11 SR416ie-m and SR932i-p storage controllers.
-

HPE iLO Driver Bundle Smart Component for ESXi 7.0

Version: 2023.09.00 (Recommended)

Enhancements

- Added support for vSphere 8.0U2.
-

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers

Version: 2023.10.01 (Recommended)

Fixes

- Fixed an issue in SSA CLI where failed drive details were shown twice in the show config output.
- Fixed an issue in SSA CLI where an error message was not being generated while performing an invalid modify command.
- Fixed an issue in SSA CLI where the tool would display a Reboot required reason when modifying MRRS value to same value.
- Fixed an issue in SSA CLI that would display an invalid error string in the show foreignmasterkeyidentifier output with Managed SEDs.
- Updated SSA CLI to not list drivetypes that do not have the correct number of drives to modify an array with Managed SEDs.
- Fixed an issue in SSA Scripting where a volume creation would fail when Remote SED mode was enabled and waiting for reboot.

Enhancements

- Added support for Remote Key Management of Managed SED.
- Added the Authority Key Identification 'security show' command in the SSA CLI for SPDM.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11

Controllers

Version: 2023.10.01 (Recommended)

Fixes

- Fixed an issue in SSA CLI where failed drive details were shown twice in the show config output.
- Fixed an issue in SSA CLI where an error message was not being generated while performing an invalid modify command.
- Fixed an issue in SSA CLI where the tool would display a Reboot required reason when modifying MRRS value to same value.
- Fixed an issue in SSA CLI that would display an invalid error string in the show foreignmasterkeyidentifier output with Managed SEDs.
- Updated SSA CLI to not list drivetypes that do not have the correct number of drives to modify an array with Managed SEDs.
- Fixed an issue in SSA Scripting where a volume creation would fail when Remote SED mode was enabled and waiting for reboot.

Enhancements

- Added support for Remote Key Management of Managed SED.
- Added the Authority Key Identification 'security show' command in the SSA CLI for SPDM.

HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)

Version: 2023.05.01 (B) (Recommended)

Enhancements

Support HPE ML30 and DL20 Gen11 server.

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)

Version: 2023.05.01 (C) (Recommended)

Enhancements

- Enhanced HPE ESXi8.0 storcli to use the esxcli plugin
- Support control override Slow Array Thresholds logic. Use the following commands to configure or show the setting.
- storcli /cx set overrideSlowArrayThresholds=<on|off> [force]
- storcli /cx show overrideSlowArrayThresholds
- Support HPE ML30 and DL20 Gen11 server.

HPE QLogic Fibre Channel driver component for VMware vSphere 7.0

Version: 2023.10.01 (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 vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

This Driver is supported on VMware 7.0U3 only

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Enhancements

Driver version 5.3.81.2_1

This Driver is supported on VMware 7.0U3 only

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2023.10.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

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

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Enhancements

Driver version 5.4.81.2_1

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter