

Service Pack for RV3000 (SPR)

Version 2.10 1

Readme

2019年11月

1. はじめに

このたびは、日立高信頼サーバ RV3000 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。

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。

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

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 RV3000 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 RV3000 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 RV3000 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 RV3000 使用中に電源が切れますとシステム装置が正常に動作しなくなることがありますので十分に気を付けてください。
- (6) お客様は、Service Pack for RV3000 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。

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
2019年6月	初版
2019年7月	適用OS追加
2019年11月	適用OS誤記訂正, 4.4 見直し, 4.5 追加

2. Service Pack for RV3000 (SPR)について

Service Pack for RV3000(以降 SPR と呼びます)は、1 台または複数台の RV3000 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。

SPR 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、SPR 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。

SPR/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 RV3000 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。

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

3. 適用機種及びOS

3.1 適用機種

- RV3000 A1 モデル

3.2 適用 OS

- Microsoft(R) Windows Server(R) 2019
- Microsoft(R) Windows Server(R) 2016 Standard Edition
- Microsoft(R) Windows Server(R) 2016 Datacenter Edition
- Red Hat(R) Enterprise Linux(R) Server 7.6
- VMware vSphere® ESXi™ 6.7

4. 注意事項

4.1 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 SPR 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：

“set attributes”で firmware=false を設定してください。

例) # ./smartupdate setattributes --nodes localhost firmware=false

4.2 SUM によるアップデート時の注意事項

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」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：

“Inventory”までの手順を実行後“getneededupdates”を実行し、“Component”セクションが表示されないことを確認してください。

4.3 ドライバアップデート時の注意事項

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

4.4 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。

4.5 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 インター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 SPH package 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。展開したディレクトリから、下表記載のランゲージパックファイルを取り出してください。

SPH package ファイル名	ランゲージパックファイル名
cp038997.exe	lang_ja_140.lpk

- (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。

4.6 ASR(Automatic Server Recovery)について

ASR(Automatic Server Recovery)はブルースクリーン等の致命的な OS のエラーが発生したときに自動的にシステムの復旧をするべくサーバの再起動をおこなう機能です。IP(version 3.20 以降)を使った OS のインストール又は SPR(version 1.50 以降)の適用、その他の方法による ASR ドライバのインストールにより ASR が自動的に有効になります。ASR が不要な場合や Alive Monitor、IPMI WDT 等の他の OS 死活監視を使う場合は ASR を無効化してください。

4.6.1 ASR 操作の PowerShell スクリプトの入手について

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

- (6) ASR ドライバのパッケージを展開します

SPR の packages ディレクトリ下にあるファイル群の中から、下表記載の各 OS に対応した Filename 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。

Description	Version	Filename
iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019	4.4.0.0 (B)	cp035140.exe

- (7) 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

4.6.2 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
```

4.6.3 ASRの無効化方法

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

```
Set-AsrTimeout.ps1 -Disable
```

実行例

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

4.6.4 ASRの有効化方法

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

```
Set-AsrTimeout.ps1 -Default
```

実行例

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

4.7 VMware をご使用にあたっての注意事項

4.7.1 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

エ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。

【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、『4.7.2 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、下記設定をアップデート作業前に実施して下さい。

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

【オフライン 展開モードを使用する場合】

SPR 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。

4.7.2 iSUT のインストール

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

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

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

No.	VMware バージョン	SPR package ファイル名	オフラインバンドルファイル名
1	VMware vSphere® ESXi™ 6.7	cp035738.zip	sut-esxi6.7-offline-bundle-2.4.0.0-31.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) 下記コマンドを実行しインストールします。

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

(8) VMware ESXi を再起動してください。

(9) 再起動後、再度 VMware ESXi の Shell 画面を開き、root ユーザーでログインします。

(10) 下記コマンドを実行し、iSUT を AutoDeployReboot モードに設定します。

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

4.8 SUM オフライン展開モードご使用時の注意事項

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。

4.9 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、下表の本 SPR に収録されているファームウェアバージョンは、ダウングレードには対応しておりません。

形名(*1)	製品名	ファームウェアバージョン
TJ-N□□-817745-B21	Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプター	10.4.4
TJ-N□□-817738-B21	Ethernet 10Gb 2 ポート 562T ネットワークアダプター	
TJ-N□□-727054-B21	Ethernet 10Gb 2 ポート 562FLR-SFP+ ネットワークアダプター	10.4.3
TJ-N□□-727055-B21	Ethernet 10Gb 2 ポート 562SFP+ ネットワークアダプター	

(*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. SPR 収録コンテンツ一覧

SPR 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。
SPR 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 Manger(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。

5.1 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、SPR 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、SPR 適用後に各ツールを実行してください。

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

【Broadcom 製 1Gb LAN アダプタ】

- HP Ethernet 1Gb 4-port 331FLR Adapter
- HP Ethernet 1Gb 4-port 331T Adapter
- HP Ethernet 1Gb 2-port 332T Adapter

(1) ITRU のインストール

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

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

なお、ITRU のインストールに関する詳細情報は次の WEB ページ

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

にある Windows 版 ITRU 取扱説明書の 3 章をご確認願います。

(2) ネットワークアダプタ レジストリ設定の適用

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

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

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

ツール実行後、OS を再起動してください。

5.2 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。SPR を使ってアップデート作業を行うには、SPR 内のデータをローカルドライブにコピーし、SUM を実行してください。SUM の GUI モードで使用する場合、OS 別の実行するコマンドを下記に示します。(管理者権限で実行してください。)

Windows 環境：

```
¥launch_sum.bat
```

Linux 環境：

```
/launch_sum.sh
```

なお、SUM の詳細な操作方法は、<https://www.hitachi.co.jp/rv3000/>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

- [Application - System Management](#)
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- [Software - Lights-Out Management](#)
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5.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
1	Integrated Smart Update Tools 2.4.0 for ESXi 6.7	cp035738.zip	-	2019.03.00	6.7.0.2.4.0-33	更新
2	Integrated Smart Update Tools for Linux x64	sut-2.4.0-61.linux.x86_64.rpm	-	2.4.0.0	2.4.0-61.linux	更新
3	Integrated Smart Update Tools for Windows x64	cp035075.exe	-	2.4.0.0	2.4.0.0	更新

5.2.2 Driver - Chipset

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
4	Identifiers for Intel Xeon Processor Scalable Family for Windows Server 2012 R2 to Server 2019	cp035803.exe	-	10.1.17861.8101	10.1.17861.8101	更新

5.2.3 Driver - Network

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
5	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp036186.exe	HP Ethernet 1Gb 2-port 332T Adapter	214.0.0.0 (B)	214.0.0.0 (B)	更新
6	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp036186.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	214.0.0.0 (B)	214.0.0.0 (B)	更新
7	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp036186.exe	HP Ethernet 1Gb 4-port 331T Adapter	214.0.0.0 (B)	214.0.0.0 (B)	更新
8	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137y-1.rhel7u6.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.137y-1	3.137y-1.rhel7u6	更新
9	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137y-1.rhel7u6.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.137y-1	3.137y-1.rhel7u6	更新
10	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137y-1.rhel7u6.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.137y-1	3.137y-1.rhel7u6	更新
11	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.7.12-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.7.12-1	2.7.12-1.rhel7u6	更新
12	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.7.12-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.7.12-1	2.7.12-1.rhel7u6	更新
13	HPE Intel i40ea Driver for Windows Server 2016	cp036338.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.9.221.0	1.9.221.0	更新
14	HPE Intel i40ea Driver for Windows Server 2016	cp036338.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.9.221.0	1.9.221.0	更新
15	HPE Intel i40ea Driver for Windows Server 2019	cp037752.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.9.230.0	1.9.230.0	新規追加
16	HPE Intel i40ea Driver for Windows Server 2019	cp037752.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.9.230.0	1.9.230.0	新規追加

17	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.6.15-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.6.15-1	3.6.15-1.rhel7u6	更新
18	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.6.15-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.6.15-1	3.6.15-1.rhel7u6	更新
19	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.5.2-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.5.2-1	5.5.2-1.rhel7u6	更新
20	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.5.2-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.5.2-1	5.5.2-1.rhel7u6	更新
21	HPE Intel ixgben Driver for VMware vSphere 6.7	cp037709.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2019.03.11	1.7.10-10EM.670.0.0.8169922	更新
22	HPE Intel ixgben Driver for VMware vSphere 6.7	cp037709.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2019.03.11	1.7.10-10EM.670.0.0.8169922	更新
23	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.5.1-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.5.1-1	4.5.1-1.rhel7u6	更新
24	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.5.1-1.rhel7u6.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.5.1-1	4.5.1-1.rhel7u6	更新
25	HPE Intel ixS Driver for Windows Server 2016	cp037945.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.131.0	4.1.131.0	更新
26	HPE Intel ixS Driver for Windows Server 2016	cp037945.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.131.0	4.1.131.0	更新
27	HPE Intel ixS Driver for Windows Server 2019	cp037755.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.143.0	4.1.143.0	新規追加
28	HPE Intel ixS Driver for Windows Server 2019	cp037755.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.143.0	4.1.143.0	新規追加

5.2.4 Driver - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
29	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.2.4-065.rhel7u6.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.2.4-065	1.2.4-065.rhel7u6	更新
30	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp037195.zip	HPE Smart Array E208i-p SR Gen10 Controller	2019.03.12	1.0.3.2035-10EM.670.0.0.8169922	更新
31	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037197.exe	HPE Smart Array E208i-p SR Gen10 Controller	106.84.2.64	106.84.2.64	更新

5.2.5 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
32	iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019	cp035140.exe	-	4.4.0.0 (B)	4.4.0.0 (B)	

33	iLO 5 Channel Interface Driver for Windows Server 2016 and Server 2019	cp035112.exe	-	4.3.0.0 (B)	4.3.0.0 (B)	
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5.2.6 Driver – Video

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
34	Matrox G200eH3 Video Controller Driver for Windows Server 2016 and Server 2019	cp035106.exe	-	9.15.1.218	9.15.1.218	

5.2.7 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
35	Language Pack - Japanese	cp038997.exe	Integrated Lights-Out 5 Language Pack	1.40 (a)	1.40	更新
36	Language Pack - Japanese	firmware-lpk-ilo-1.40-1.1.x86_64.rpm	Integrated Lights-Out 5 Language Pack	1.40 (a)	1.40	更新
37	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-1.40-1.1.x86_64.rpm	Integrated Lights-Out 5 Firmware	1.40	1.40	更新
38	Online ROM Flash Component for Windows x64 - iLO 5	cp038842.exe	Integrated Lights-Out 5 Firmware	1.40	1.40	更新
39	Online ROM Flash Firmware Package - iLO 5	ilo5_140.fwpkg	Integrated Lights-Out 5 Firmware	1.40	1.40	更新

5.2.8 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
40	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.23.10-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	2.23.10	20.14.54	更新
41	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.23.10-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	2.23.10	20.14.54	更新
42	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.23.10-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	2.23.10	20.14.54	更新
43	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP036110.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.24.8	20.14.54	更新
44	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP036110.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	1.24.8	20.14.54	更新
45	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP036110.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.24.8	20.14.54	更新
46	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp036111.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.1.4.0	20.14.54	更新
47	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp036111.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.1.4.0	20.14.54	更新
48	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp036111.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.1.4.0	20.14.54	更新

49	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.17.17-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.17.17 (B)	10.4.3	更新
50	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.17.17-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	1.17.17 (B)	10.4.4	更新
51	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.17.17-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.17.17 (B)	10.4.3	更新
52	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.17.17-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	1.17.17 (B)	10.4.4	更新
53	HPE Intel Online Firmware Upgrade Utility for VMware	CP035127.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.10.16	10.4.3	更新
54	HPE Intel Online Firmware Upgrade Utility for VMware	CP035127.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.10.16	10.4.4	更新
55	HPE Intel Online Firmware Upgrade Utility for VMware	CP035127.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.10.16	10.4.3	更新
56	HPE Intel Online Firmware Upgrade Utility for VMware	CP035127.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.10.16	10.4.4	更新
57	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp035128.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.1.4.0	10.4.3	更新
58	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp035128.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.1.4.0	10.4.4	更新
59	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp035128.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	5.1.4.0	10.4.3	更新
60	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp035128.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.1.4.0	10.4.4	更新

5.2.9 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
61	Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp039100.exe	Innovation Engine (IE) Firmware	0.2.0.11 (B)	0.2.0.11	新規追加
62	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	firmware-powerpic-1.0.4-1.1.x86_64.rpm	Advanced Power Capping Microcontroller Firmware	1.0.4	1.0.4	
63	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	cp033359.exe	Advanced Power Capping Microcontroller Firmware	1.0.4	1.0.4	

64	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for HPE Gen10 Servers	PICGen10_1.0.4s.fwpkg	Gen10 Power Management Controller Firmware	1.0.4	1.0.4	
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5.2.10 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
65	Online ROM Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	CP037055.zip	EH000300JWCPK	HPD3 (D)	HPD3	更新
66	Online ROM Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	CP037055.zip	EH000600JWCPL	HPD3 (D)	HPD3	更新
67	Online ROM Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	CP037055.zip	EH000900JWCPN	HPD3 (D)	HPD3	更新
68	Online ROM Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	cp037259.exe	EH000300JWCPK	HPD3 (C)	HPD3	更新
69	Online ROM Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	cp037259.exe	EH000600JWCPL	HPD3 (C)	HPD3	更新
70	Online ROM Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	cp037259.exe	EH000900JWCPN	HPD3 (C)	HPD3	更新

5.2.11 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/ Driver version	Update
71	Supplemental Update / Online ROM Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	firmware-hdd-3d97759-111-HPD3-3.1.x86_64.rpm	EH000900JWCPN	HPD3 (C)	HPD3	更新
72	Supplemental Update / Online ROM Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	firmware-hdd-3d97759-111-HPD3-3.1.x86_64.rpm	EH000600JWCPL	HPD3 (C)	HPD3	更新
73	Supplemental Update / Online ROM Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	firmware-hdd-3d97759-111-HPD3-3.1.x86_64.rpm	EH000300JWCPK	HPD3 (C)	HPD3	更新

74	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP037173.zip	HPE Smart Array E208i-p SR Gen10 Controller	1.98	1.98	更新
75	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp037175.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.98	1.98	更新
76	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7c07bdbbd-1.98-1.1.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.98	1.98	更新

5.2.12 Firmware - System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
77	Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-ie-0.2.0.11-2.1.x86_64.rpm	Innovation Engine (IE) Firmware	0.2.0.11 (B)	0.2.0.11	新規追加
78	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-sps-04.01.04.251-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.01.04.251	04.01.04.251	新規追加
79	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp038059.exe	Server Platform Services (SPS) Firmware	04.01.04.251	04.01.04.251	新規追加
80	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.IEGen10_0.2.0.11.fwpkg	Innovation Engine (IE) Universal Image	0.2.0.11 (B)	0.2.0.11	新規追加
81	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.SPSGen10_04.01.04.251.fwpkg	Server Platform Services (SPS) Firmware	04.01.04.251	4.1.4.251	新規追加

5.2.13 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
82	HP Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-5.4.0-0.x86_64.rpm	-	5.4.0-0	5.4.0-0	
83	HP Lights-Out Online Configuration Utility for Windows x64 Editions	cp037416.exe	-	5.3.0.0	5.3.0.0	更新

5.2.14 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
84	HPE Management Bundle Smart Component for ESXi 6.7	cp037187.zip	-	2019.03.01	2019.03.01	更新

5.2.15 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
85	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp037793.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.1.64	1.2.1.64	更新

5.2.16 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
86	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 7 Server	amsd-1.4.0-3066.82.rhel7.x86_64.rpm	-	1.4.0	1.4.0-3066.82.rhel7	更新
87	Agentless Management Service for Windows X64	cp036094.exe	-	1.40.0.0	1.40.0.0	更新
88	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-3.40-3.0.x86_64.rpm	-	3.40.3.0	3.40-3.0	更新
89	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp036452.exe	-	3.40.3.0	3.40.3.0	更新
90	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-3.40-3.0.x86_64.rpm	-	3.40.3.0	3.40-3.0	更新
91	Smart Storage Administrator (SSA) for Windows 64-bit	cp036451.exe	-	3.40.3.0	3.40.3.0	更新
92	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-3.40-3.0.x86_64.rpm	-	3.40.3.0	3.40-3.0	更新
93	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp036453.exe	-	3.40.3.0	3.40.3.0	更新

5.2.17 Utility - Tools

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
94	HPE Utilities Bundle Smart Component for ESXi 6.7	cp037190.zip	-	2019.03.01	2019.03.01	更新

5.3 パッケージの変更内容

Integrated Smart Update Tools for Linux x64

Version: 2.4.0.0 (Recommended)

Important Note!

Please note the following:

iSUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later.

If an earlier version of SUM is used, iSUT will notify the user that SUM 8.0.0 and later is required.

iSUT will service HP ProLiant Gen8 and later versions and requires iLO 4 firmware version 2.51 or later. For Gen10 and above we need iLO 5 firmware version 1.11 or later

Integrated Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the iSUT Release Notes.

Fixes

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

Enhancements

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

Integrated Smart Update Tools for Windows x64

Version: 2.4.0.0 (Recommended)

Important Note!

Please note the following:

iSUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later.

If an earlier version of SUM is used, iSUT will notify the user that SUM 8.0.0 and later is required.

iSUT will service HP ProLiant Gen8 and later versions and requires iLO 4 firmware version 2.51 or later. For Gen10 and above we need iLO 5 firmware version 1.11 or later

Integrated Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the iSUT Release Notes.

Fixes

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

Enhancements

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

Identifiers for Intel Xeon Processor Scalable Family for Windows Server 2012 R2 to Server 2019

Version: 10.1.17861.8101 (Optional)

Enhancements

Add support for device ACPI\INTL0000, "Intel(R) address translation DSM interface".

HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 214.0.0.0 (B) (Optional)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.4.0 or later, for use with this driver.

Enhancements

This driver inf file is updated to sync with latest device support list.

Supported Devices and Features

This driver supports the following network adapters:

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

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

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

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

HPE Ethernet 1Gb 2-port 332T Adapter

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

Version: 3.137y-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.23.10 or later, for use with these drivers.

Fixes

This product fixes an issue of vunmap() BUG_ON() triggered from tg3_free_consistent().

This product now prevents scheduling while running atomic splat.

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 6.

Supported Devices and Features

These drivers support the following network adapters:

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

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

HP Ethernet 1Gb 4-port 331FLR Adapter

HP Ethernet 1Gb 4-port 331T Adapter

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

HP Ethernet 1Gb 2-port 332T Adapter

HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 2.7.12-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.17.17 or later, for use with these drivers.

Fixes

This product fixes an issue with restoring all VF -d config on a VF reset.

This product fixes an issue with mirror rule via VF -d.

This product fixes an issue with VFD handler function prototypes.

This product fixes the issue of assuming hardware is at default settings.

This product fixes an issue of not re-initializing properly in the case of a CORE reset following a PF reset timeout.

This product fixes an issue where an unknown NMI is received and the kernel crashes when adding/removing a VF to namespace repeatedly.

This product fixes an issue where running 'ifconfig ethX mtu 2000' causes a physical link down and fails to auto-recover when 'ethtool --set-priv-flags eth2 link-down-on-close on' is set.

Enhancements

This product now supports the HPE Synergy 4610C 10/25Gb Ethernet Adapter.

This product now supports Red Hat Enterprise Linux 7 Update 6.

This product now provides the allow_untagged VF -d attribute.

This product now has a helper function to validate a vf based on the vf id.

This product now has a macro for checking if prog_attached exists.

This product now provides client register/unregister to prevent vsi.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368i Adapter

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

HPE Ethernet 1Gb 4-port 369i Adapter

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

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 563i Adapter

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

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

HPE Synergy 4610C 10/25Gb Ethernet Adapter

HPE Intel i40ea Driver for Windows Server 2016

Version: 1.9.221.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.4.0 or later, for use with this driver.

Fixes

This product corrects an issue which prevents recovery of RDMA connections.

This product corrects a Windows Stop Error (BSOD) seen when RSS and the driver verifier are both enabled.

This product corrects an issue which results in a failure to correctly set up ROCEv2 connections.

This product corrects an issue which results in a BSOD in systems with more than 256 cores.

Enhancements

This product now supports the HPE Synergy 4610C 10/25Gb Ethernet Adapter.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Synergy 4610C 10/25Gb Ethernet Adapter

HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 3.6.15-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.17.17 or later, for use with these drivers.

Fixes

This product addresses a version number bump issue.

This product addresses an issue where the i40e handler of VIRTCHNL_OP_ENABLE_QUEUES does not use rx_queues/tx_queues correctly.

This product addresses an issue where there is no Ethtool Stats Counter for rx_packets or tx_packets available.

This product addresses an issue where the Flow Director ATR doesn't switch properly when a side band SCTP rule is created.

This product addresses an issue where the VF port vlan is set with a wrong qos value and the CFI bit is incorrectly set.

Enhancements

This product now supports the HPE Synergy 4610C 10/25Gb Ethernet Adapter.

This product now supports Red Hat Linux 7 Update 6.

Supported Devices and Features

This product supports the following network adapters:

HPE Ethernet 1Gb 2-port 368i Adapter
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
HPE Ethernet 1Gb 4-port 369i Adapter
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
HPE Ethernet 10Gb 2-port 562SFP+ Adapter
HPE Ethernet 10Gb 2-port 563i Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
HPE Synergy 4610C 10/25Gb Ethernet Adapter

HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 5.5.2-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.17.17 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 6.

This product is updated to maintain compatibility with firmware version 1.17.x.

Supported Devices and Features

These drivers support the following network adapters:

HP Ethernet 10Gb 2-port 560FLB Adapter
HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
HP Ethernet 10Gb 2-port 560M Adapter
HP Ethernet 10Gb 2-port 560SFP+ Adapter
HPE Ethernet 10Gb 2-port 562FLR-T Adapter
HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixgben Driver for VMware vSphere 6.7

Version: 2019.03.11 (Optional)

Important Note!

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

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.10.16 or later, for use with this driver.

Fixes

This product corrects a problem where excessive logging of an issue “(unsupported) Device 10fb does not support flow control autoneg” crashes the vCenter.

Supported Devices and Features

These drivers support the following network adapters:

- HP Ethernet 10Gb 2-port 560FLB Adapter
- HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HP Ethernet 10Gb 2-port 560M Adapter
- HP Ethernet 10Gb 2-port 560SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64

Version: 4.5.1-1 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.17.17 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 7 Update 6.

This product is updated to maintain compatibility with firmware version 1.17.x.

Supported Devices and Features

These drivers support the following network adapters:

- HP Ethernet 10Gb 2-port 560FLB Adapter
- HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HP Ethernet 10Gb 2-port 560M Adapter
- HP Ethernet 10Gb 2-port 560SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixv Driver for Windows Server 2016

Version: 4.1.131.0 (Optional)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.4.0 or later, for use with this driver.

Fixes

This driver corrects an issue which results in incorrect counters when LSO is enabled.

This driver corrects an issue which results in spurious event log messages during firmware recovery.

Enhancements

The virtual driver for the supported devices has been moved into a separate component: HPE Intel vxv Driver for Windows Server 2016.

Supported Devices and Features

This driver supports the following network adapters:

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

HPE Ethernet 10Gb 2-port 562T Adapter

HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)

Version: 1.2.4-065 (Recommended)

Fixes

Fixes the following issues:

Kernel panic may occur during device discovery state.

System could stop responding after a Logical Volume access failure

Enhancements

Added support for Red Hat Enterprise Linux 7.6

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux7 (64-bit) supported by this binary rpm are:

3.10.0-862.el7- Red Hat Enterprise Linux 7 Update 5 (64-bit) and future errata kernels for update 5.

3.10.0-957.el7- Red Hat Enterprise Linux 7 Update 6 (64-bit) and future errata kernels for update 6.

HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).

Version: 2019.03.12 (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.hp.com webpages, plus an HPE specific CPXXXX.xml file.

Fixes

Fixes the following issues

While in multipath, driver could go offline when the active path is removed.

Incorrect SAS address is displayed under multipath information for MSA attached arrays.

Disk might become unresponsive after a vSphere Quick Boot.

Driver unload could failed after an expander device is removed.

PSOD could be observe while performing a hard drive hot remove/re-insert.

PSOD might occur after lockup followed by an ESXI shell reboot.

Crash dump might not be generated in a NUMA machine.

While performing array creation and deletion a PSOD could be observe after two controller lockup.

Drivers could go offline during running time when DMA memory is not available

HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019

Version: 106.84.2.64 (Recommended)

Fixes

Improved integration with Smart Update Manager

Language Pack - Japanese

Version: 1.40 (a) (Optional)

Fixes

Various translation fixes

Enhancements

N/A

Language Pack - Japanese

Version: 1.40 (a) (Optional)

Prerequisites

Requires iLO 5 firmware version 1.10 or higher

Fixes

Various translation fixes

Enhancements

N/A

Online ROM Flash Component for Linux - iLO 5

Version: 1.40 (Recommended)

Enhancements

List your enhancements here.

Online ROM Flash Component for Windows x64 - iLO 5

Version: 1.40 (Recommended)

Enhancements

List your enhancements here.

Online ROM Flash Firmware Package - iLO 5

Version: 1.40 (Recommended)

Enhancements

List your enhancements here.

HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.23.10 (Optional)

Important Note!

HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.137y or later, for use with this firmware.

Prerequisites

This package requires the appropriate driver for your network adapter be installed and all Ethernet ports brought up (ifup ethX or ifconfig ethX up) before firmware can be updated.

Fixes

This product corrects an issue where the component fails to update adapter firmware when running on ESXi 6.7.

This product corrects an issue where an incorrect device (Network Controller) name is displayed in the RBSU.

Supported Devices and Features

This product supports the following network adapters:

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

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

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

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

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware

Version: 1.24.8 (Optional)

Important Note!

HPE recommends HP Broadcom tg3 Ethernet Drivers for VMware, versions 2015.10.01, for use with this firmware.

This software package contains combo image v20.14.54 with the following firmware versions:

NIC

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

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

HP Ethernet 1Gb 4-port 331FLR Adapter

HP Ethernet 1Gb 4-port 331T Adapter

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

HP Ethernet 1Gb 2-port 332T Adapter

Prerequisites

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

Fixes

This product corrects an issue on SLES15 where the component fails to update adapter firmware with secure boot enabled.

This product corrects an issue where an incorrect device (Network Controller) name is displayed in the RBSU.

Supported Devices and Features

This product supports the following network adapters:

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

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

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

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

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.1.4.0 (Optional)

Important Note!

HPE recommends HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 214.0.0.0(B) or later, for use with this firmware.

Prerequisites

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

Fixes

This product corrects an issue where an incorrect device (Network Controller) name is displayed in the RBSU.

Supported Devices and Features

This product supports the following network adapters:

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

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

HPE Ethernet 1Gb 4-port 331FLR Adapter

HPE Ethernet 1Gb 4-port 331T Adapter

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

HPE Ethernet 1Gb 2-port 332T Adapter

HPE Intel Online Firmware Upgrade Utility for Linux x86_64

Version: 1.17.17 (B) (Optional)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

HPE Intel igb Drivers for Linux, versions 5.3.5.22 or later

HPE Intel ixgbe Drivers for Linux , versions 5.5.2 or later

HPE Intel i40e Drivers for Linux, versions 2.7.12 or later

Prerequisites

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

Fixes

This product addresses a failure to update adapter firmware on a system running SUSE Linux Enterprise Server 15.

This product corrects an issue where the name for the HP Ethernet 1Gb 4-port 366FLR Adapter is displayed incorrectly in the network boot options.

This product corrects an issue where the HPE Ethernet 10Gb 2-port 562FLR-T Adapter can be awakened when the NIC WOL setting is disabled.

This product corrects an issue where system hangs when booting from the PXE boot menu.

Enhancements

This product now supports the HPE Synergy 4610C 10/25Gb Ethernet Adapter.

Supported Devices and Features

This package supports the following network adapters:

HP Ethernet 1Gb 2-port 361i Adapter

HP Ethernet 1Gb 2-port 361T Adapter

HP Ethernet 1Gb 2-port 363i Adapter

HP Ethernet 1Gb 4-port 366FLR Adapter

HP Ethernet 1Gb 4-port 366i Adapter

HPE Ethernet 1Gb 4-port 366i Communication Board

HP Ethernet 1Gb 4-port 366T Adapter

HPE Ethernet 1Gb 2-port 368i Adapter

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

HPE Ethernet 1Gb 4-port 369i Adapter

HP Ethernet 10Gb 2-port 560FLB Adapter

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

HP Ethernet 10Gb 2-port 560SFP+ Adapter

HP Ethernet 10Gb 2-port 560M Adapter

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

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 563i Adapter

HPE Ethernet 10Gb 2-port 568i Adapter

HPE Ethernet 10Gb 2-port 562T Adapter
HPE Ethernet 10Gb 2-port 562FLR-T Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
HPE Synergy 4610C 10/25Gb Ethernet Adapter

HPE Intel Online Firmware Upgrade Utility for VMware

Version: 3.10.16 (Optional)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

HPE Intel igbn Drivers for VMware, versions 2019.03.11

HPE Intel ixgben Drivers for VMware, versions 2019.03.11

HPE Intel i40en Drivers for VMware, versions 2019.03.11

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

NIC

HP Ethernet 1Gb 2-port 361i Adapter

HP Ethernet 1Gb 2-port 361T Adapter

HP Ethernet 1Gb 2-port 363i Adapter

HPE Ethernet 1Gb 4-port 366i Communication Board

HP Ethernet 1Gb 4-port 366i Adapter

HP Ethernet 1Gb 4-port 366FLR Adapter

HP Ethernet 1Gb 4-port 366T Adapter

HPE Ethernet 1Gb 2-port 368i Adapter

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

HPE Ethernet 1Gb 4-port 369i Adapter

HP Ethernet 10Gb 2-port 560FLB Adapter

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

HP Ethernet 10Gb 2-port 560M Adapter

HPE Ethernet 10Gb 2-port 560SFP+ Adapter

HPE Ethernet 10Gb 2-port 568i Adapter

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

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

HPE Ethernet 10Gb 2-port 563i Adapter

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

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

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Ethernet 10Gb 2-port 562T Adapter

HPE Synergy 4610C 10/25Gb Ethernet Adapter

The combo image v1.2028.0 includes: Boot Agent: 1GbE - v1.5.86, 10GbE - v2.4.32, 40GbE - v1.1.02 & UEFI Drivers: 1GbE - v8.6.06, 10GbE - v7.1.06, 40GbE - v3.4.06

The combo image v1.1375.0 includes: Boot Agent: 1GbE - v1.5.72, 10GbE - v2.3.46, 40GbE - v1.0.21 & UEFI Drivers: 1GbE - v6.9.13, 10GbE - v5.0.20, 40GbE - v1.5.14

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

Prerequisites

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

Fixes

This product corrects an issue where the name for the HP Ethernet 1Gb 4-port 366FLR Adapter is displayed incorrectly in the network boot options.

This product corrects an issue where the HPE Ethernet 10Gb 2-port 562FLR-T Adapter can be awakened when the NIC WOL setting is disabled.

This product corrects an issue where system hangs when booting from the PXE boot menu.

Enhancements

This product now supports the HPE Synergy 4610C 10/25Gb Ethernet Adapter.

Supported Devices and Features

This package supports the following network adapters:

- HP Ethernet 1Gb 2-port 361i Adapter
- HP Ethernet 1Gb 2-port 361T Adapter
- HP Ethernet 1Gb 2-port 363i Adapter
- HP Ethernet 1Gb 4-port 366FLR Adapter
- HP Ethernet 1Gb 4-port 366i Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board
- HP Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 2-port 368i Adapter
- HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HP Ethernet 10Gb 2-port 560FLB Adapter
- HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HP Ethernet 10Gb 2-port 560SFP+ Adapter
- HP Ethernet 10Gb 2-port 560M Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 563i Adapter
- HPE Ethernet 10Gb 2-port 568i Adapter
- HP Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
HPE Synergy 4610C 10/25Gb Ethernet Adapter

HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.1.4.0 (Optional)

Prerequisites

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

Fixes

This product corrects an issue where the name for the HP Ethernet 1Gb 4-port 366FLR Adapter is displayed incorrectly in the network boot options.

This product corrects an issue where the HPE Ethernet 10Gb 2-port 562FLR-T Adapter can be awakened when the NIC WOL setting is disabled.

This product corrects an issue where system hangs when booting from the PXE boot menu.

Enhancements

This product now supports Windows Server 2019.

This product now supports the HPE Synergy 4610C 10/25Gb Ethernet Adapter.

Supported Devices and Features

This package supports the following network adapters:

HP Ethernet 1Gb 2-port 361i Adapter
HP Ethernet 1Gb 2-port 361T Adapter
HP Ethernet 1Gb 2-port 363i Adapter
HP Ethernet 1Gb 4-port 366FLR Adapter
HP Ethernet 1Gb 4-port 366i Adapter
HPE Ethernet 1Gb 4-port 366i Communication Board
HP Ethernet 1Gb 4-port 366T Adapter
HPE Ethernet 1Gb 2-port 368i Adapter
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
HPE Ethernet 1Gb 4-port 369i Adapter
HP Ethernet 10Gb 2-port 560FLB Adapter
HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
HP Ethernet 10Gb 2-port 560SFP+ Adapter
HP Ethernet 10Gb 2-port 560M Adapter
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
HPE Ethernet 10Gb 2-port 562SFP+ Adapter
HPE Ethernet 10Gb 2-port 563i Adapter
HPE Ethernet 10Gb 2-port 568i Adapter
HPE Ethernet 10Gb 2-port 562T Adapter

HPE Ethernet 10Gb 2-port 562FLR-T Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
HPE Synergy 4610C 10/25Gb Ethernet Adapter

Online ROM Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN

Drives

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Proliant and Smart Update Manager

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.,

Enhancements

- Added support for HPE Smart Array P824i-p MR Gen10 Controller.
- Added support for VMware 6.7 Update1.

Online ROM Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN

Drives

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Proliant and Smart Update Manager

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.,

Enhancements

Added support for Windows Server 2019.

Supplemental Update / Online ROM Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives

Version: HPD3 (C) (Recommended)

Important Note!

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Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for Proliant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.,

Enhancements

Added support for SLES15.

Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10

Version: 1.98 (Recommended)

Fixes

Fixes the following unexpected behaviors:

Controller could stop responding with a 0x1A91 message during active path failure when scanning expander indexes.

Controller could stop responding during I/O processing and Smart Cache flush process if there is an invalid transient message return by the physical drives.

When predictive spare rebuild is triggered on Smart Cache, the rebuilding process could fail to start.

Data could become inaccessible when a SATA drive overruns a data transfer

Controller memory could become unstable when the response to an Identify Device command (IDD) is received from a drive

Communication between the host system and a RAID5/6 volume could potentially fail after an I/O timeout on one of the drives in the array.

System could stop responding with a 0x1E30 message when an ATA locked drive is discovered

If a command is execute during a drive sanitize operation the controller could stop responding.

HP Lights-Out Online Configuration Utility for Windows x64 Editions

Version: 5.3.0.0 (Optional)

Prerequisites

This utility requires the following minimum firmware revisions:

Integrated Lights-Out 3 firmware v1.00 or later

Integrated Lights-Out 4 firmware v1.00 or later
Integrated Lights-Out 5 firmware v1.30 or later
The management interface driver must be installed on the server.
Microsoft .Net Framework 2.0 or later is required to launch HPONCFG GUI.

Enhancements

Introduced support for CNSA security state from iLO5 v1.40 or later.

HPE Management Bundle Smart Component for ESXi 6.7

Version: 2019.03.01 (Recommended)

Fixes

WBEM Providers
Fixed false Solid State Disk Wear alert reported by the SmartArray WBEM provider
Fixed XML parser issues affecting online Firmware Update
Agentless Management Service
Fixed reporting of HPE QLogic NX2 driver components in the cpqHoSwVer MIB to resolve blank Installed driver versions displayed in SUM

Enhancements

Agentless Management Service
Added support for cpqiscsi MIB
Implement configurable CPU and Memory Usage periodic logging to the iLO AHS (Active Health System)
Log

HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions

Version: 1.2.1.64 (Recommended)

Enhancements

Improved integration with Smart Update Manager

Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 7 Server

Version: 1.4.0 (Optional)

Prerequisites

amsd only supported on HPE Gen10 Servers.
amsd provides information to the iLO 5 service providing SNMP support.
SNMP PASS-THRU on the iLO 5 MUST be disabled, and SNMP should be configured on the iLO 5. The iLO 5 may need to be reset after changing these settings.
Requirements:
Minimum iLO 5 Firmware Version = 1.1
Minimum supported OS Versions = Red Hat Enterprise Linux 7.3 Errata 3.10.0.514.6.1

Fixes

Fixed the following items:

All disks are opened RDONLY to send ioctl()'s to get drive information.

Improved SATA channel determination for SATA drives.

Corrected errors for lost memory allocations.

Enhancements

Stability improvements when running Red Hat Enterprise Linux 7

Agentless Management Service for Windows X64

Version: 1.40.0.0 (Optional)

Important Note!

iLO Firmware Version:

This version of AMS has been tested with iLO 5 firmware version 1.40. It is recommended to install AMS 1.40 on systems with iLO 5 firmware 1.40.

About installation and enablement of SMA service:

During AMS installation in interactive mode, there is pop up message to selectively install SMA.

If Yes is selected, SMA service will be installed and set to running state.

If No is selected, SMA service will be installed but the service is not enabled.

During AMS installation in silent mode, SMA is installed but the service is not enabled.

To enable SMA service at a later time, go to the following

folder: %ProgramFiles%\OEM\AMS\Service\ (Typically c:\Program Files\OEM\AMS\Service) and execute "EnableSma.bat /f"

IMPORTANT: The SNMP service community name and permission must also be setup. This is not done by "EnableSma.bat".

To disable SMA after it has been enabled, go to the following

folder: %ProgramFiles%\OEM\AMS\Service\ (Typically c:\Program Files\OEM\AMS\Service) and execute "DisableSma.bat /f"

After installing Windows operating system, make sure all the latest Microsoft Updates are downloaded and installed (wuapp.exe can be launched to start the update process). If this is not done, a critical error may be reported in Windows Event Log, "The Agentless Management Service terminated unexpectedly."

AMS Control Panel Applet:

The AMS control panel applet UI is best displayed on the system when screen resolution is 1280 x 1024 pixels or higher and text size 100%.

Prerequisites

The Channel Interface Driver for Windows X64 must be installed prior to this component.

Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.

Fixes

Fixed the issue of AMS terminating unexpectedly on module w2kmgams.dll.

The Agentless Management Service may stop unexpectedly with the following error event logged in

Windows Application Event Log: Event ID: 1000, Source: Application Error, Faulting Application Name: ams.exe, Faulting Module Name: w2kmgAMS.dll.

Fixed the issue of missing nechasr.sys in HPE Software inventory.

iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019 (cp035140.exe) failed to install on Windows Server 2019 OS deployment using Smart Update tool in SPP v2018.11.0.

Refer to the following Customer Advisories for details of the critical issues fixed in this release.

- a00065356en_us (https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00065356en_us)
- a00065641en_us (https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00065641en_us)

Enhancements

Added configurable polling interval option in the registry for Active Health System (AHS) logging of host CPU and Memory utilization:

CPU and Memory utilization used to be logged to AHS every minute, thus potentially causing AHS storage to be full.

CPU and Memory utilization is now logged to AHS once upon startup, but a registry key can be created to log more if needed.

Registry key: HKLM\Software\HP\AMSAHS, Registry value: QuietPeriodInMinutes (DWORD), from 1 minute to 1440 minutes (i.e. 1 day).

Added configurable logging feature to generate log files on local host. The default log size will be 64MB, log level will be Informational(1) and file path: %ProgramFiles%\OEM\AMS\Logs.

The optional log file size, path and level can be modified by changing the registry values at :

HKLM\SYSTEM\AMSLOGCFG

The AMS control panel applet is updated to support SNMP configurations with iLO CNSA encryption mode as well.

Smart Storage Administrator (SSA) CLI for Linux 64-bit

Version: 3.40.3.0 (Optional)

Enhancements

Supports Online Firmware Activation reporting

Smart Storage Administrator (SSA) CLI for Windows 64-bit

Version: 3.40.3.0 (Optional)

Enhancements

Supports Online Firmware Activation reporting

Smart Storage Administrator (SSA) for Linux 64-bit

Version: 3.40.3.0 (Optional)

Prerequisites

The Smart Storage Administrator for Linux requires the System Management Homepage software to be

installed on the server. If the System Management Homepage software is not already installed on your server, please download it from HPE.com and install it before installing the Smart Storage Administrator for Linux.

IMPORTANT UPDATE: SSA (GUI) for Linux can now be run without requiring the System Management Homepage. SSA now supports a Local Application Mode for Linux. The System Management Homepage is still supported, but no longer required to run the SSA GUI.

To invoke, enter the following at the command prompt:

```
ssa -local
```

The command will start SSA in a new Firefox browser window. When the browser window is closed, SSA will automatically stop. This is only valid for the loopback interface, and not visible to external network connections.

Enhancements

Supports Online Firmware Activation reporting

Smart Storage Administrator (SSA) for Windows 64-bit

Version: 3.40.3.0 (Optional)

Enhancements

Supports Online Firmware Activation reporting

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit

Version: 3.40.3.0 (Optional)

Enhancements

Supports Online Firmware Activation reporting

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit

Version: 3.40.3.0 (Optional)

Important Note!

This stand alone version of the Smart Storage Administrator's Diagnostic feature is available only in CLI form. For the GUI version of Diagnostic reports, please use Smart Storage Administrator (SSA).

Enhancements

Supports Online Firmware Activation reporting

HPE Utilities Bundle Smart Component for ESXi 6.7

Version: 2019.03.01 (Recommended)

Important Note!

Refer to the HPE VMware Utilities Guide for VMware vSphere 6.7 U1 for April 2019 which is located at www.hpe.com/info/vmware/proliant-docs.

Enhancements

Updated the Smart Storage Administrator CLI (SSACLI)