



**Hewlett Packard**  
Enterprise

# **HPE VMware ESXi and vSphere 5.x, 6.x and Updates Getting Started Guide**

## **Abstract**

This guide is intended to provide setup information for HPE VMware ESXi and vSphere.

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## Notices

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# Navigation tips

## **Navigating to documentation on the HPE website**

- From the URLs in this guide, you may need to make several selections to get to your specific server documentation.
- For online access to technical documentation, self-help resources, live chat assistance, community forums of IT experts, technical knowledge base, remote monitoring and diagnostic tools, go to [\*\*http://www.hpe.com/support/hpesc\*\*](http://www.hpe.com/support/hpesc).
- For the latest versions of selected technical documentation, go to [\*\*http://www.hpe.com/info/vmware/proliant-docs\*\*](http://www.hpe.com/info/vmware/proliant-docs).

# Overview

Thank you for downloading HPE VMware ESXi and vSphere 5.X, 6.X and updates. HPE has seamlessly integrated VMware ESXi and vSphere, delivering active HPE ProLiant management and consolidated lifecycle management for a consistent, reliable ProLiant experience. For more information, go to the HPE website <http://www.hpe.com/info/vmware>.

HPE servers and blades proactively surface hardware monitoring data to deliver the most up-to-date server state information possible. On Gen10 and newer generations of HPE servers and blades, this is done with HPE Agentless Management. On Gen9 and earlier generations, this is done with HPE CIM (Common Information Module) providers.

You can update VMware ESXi and vSphere using the standard VMware update tools. The integrated hypervisor installation is partitioned with redundant images, enabling a robust upgrade and recovery process.

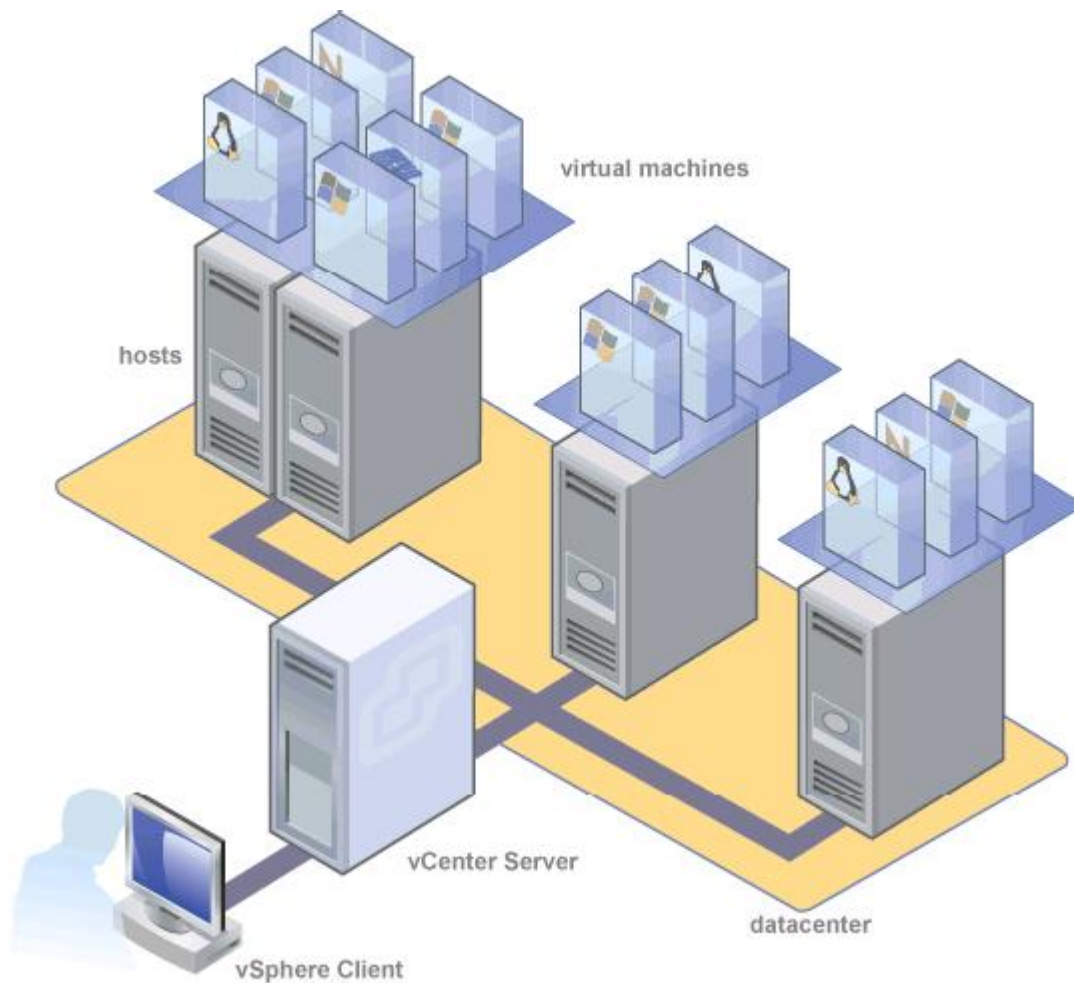
The **HPE VMware ESXi and vSphere 5.X, 6.X and Updates Getting Started Guide** is provided for ESXi and vSphere 5.X, 6.X and updates Standalone Edition or as a part of a HPE VMware vSphere fully licensed product.

The ESXi and vSphere Standalone Edition is well suited for single server virtualization installations and is managed using the free VMware vSphere Client management console. HPE Technical Software Support and Update Service is optional and can be purchased as a support pack.

The installation ISO includes a trial license for the standalone edition, found on the HPE website (<http://h18004.www1.hp.com/products/servers/software/vmware/esxi-image.html>). To obtain a permanent license for the standalone edition, go to the VMware website (<https://www.vmware.com/tryvmware/>) and register to obtain the serial number license.

You can also upgrade HPE VMware ESXi and vSphere Standalone Edition to any of the fully licensed products for VMware vSphere including Essentials, Essentials Plus, Standard, Enterprise, and Enterprise Plus editions. For more information on support offered for HPE VMware ESXi and vSphere Standalone Edition and the other licensed products, see the HPE website (<http://www.hpe.com/info/esxidownload>).

To learn more about license delivery and enabling enterprise entitlement, see **Activating the standalone license** on page 16 or **Upgrading to a full license** on page 17. Product illustration



VMware vSphere includes the following components:

- **Virtual machine**
  - A virtual machine is a software-based computer capable of running an operating system such as Microsoft® Windows® or GNU/Linux as if the operating system is installed on a physical machine.
- **Host**
  - A host is a physical machine running platform virtualization software such as ESXi and vSphere. Hosts provide processor, memory, storage, and network resources for one or more virtual machines.
- **vCenter Server**
  - vCenter Server continuously monitors your virtual infrastructure, automates system administration tasks, and centralizes remote management sessions. It coordinates the resources and activities of individual hosts to efficiently distribute virtual machines and tolerate hardware downtime across a data center.
- **vSphere Client**
  - vSphere Client is the primary interface for interacting with hosts and virtual machines. vSphere Client can manage a standalone host by connecting directly to the host, or manage multiple hosts by connecting to a vCenter Server machine.

Additional HP components that complete your virtualization infrastructure:

- **Management network**

- A management network enables the server administrator to manage discrete physical servers without relying on a general purpose communications network. This dedicated network enables a reliable connection to the hardware in the event of a network failure.
- **HPE OneView for VMware vCenter Server**
  - The HP Insight Control extension for VMware vCenter Server delivers powerful HP server host management capabilities to virtualization administrators, enabling comprehensive monitoring, remote control, and power optimization directly from the vCenter console. For more information, see the HP website (<http://www.hp.com/go/ovvcenter>).
- **Virtual machine communication network**
  - A virtual machine communication network is built on the traditional, general purpose communication network. As with physical servers, virtual machine traffic is brokered through a general purpose network if the virtual machines are on discrete servers. Virtual machine communication on the same physical server is handled by a virtual switch within the server.
- **HPE storage network**
  - A storage network enables virtual machines to access Storage Area Network (SAN) devices similarly to physical servers. The medium for a storage network can be Fibre Channel or Ethernet. HPE recommends HPE StorageWorks SAN solutions.
- **Virtual SAN Appliance**
  - HP P4000 Virtual SAN Appliance Software (VSA) provides another way to implement a virtual server high availability solution without the need for separate external shared-storage devices. For more information, see the HPE website (<http://www.hp.com/go/vsa>).

# Configuration

HPE recommends using the HPE Custom Image available at <http://www.hpe.com/info/esxidownload>. Each HPE Custom Image has a supported Service Pack for ProLiant (SPP) release or set of SPP releases that provide updated firmware and drivers. Updated HPE value-add software for each HPE Custom Image and supported SPP is documented in the HPE VMware Software Recipe available from <http://vibsdepot.hpe.com>. For more information on the SPP, see the documentation available at: <http://www.hpe.com/info/spp>.

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**NOTE:**

For information related to RBSU, see the **[ROM-Based Setup Utility User Guide](#)**.

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VMware ESXi and vSphere 5.X, 6.X only supports the following installation destinations:

- Any HP- supported hard drive
  - Secure Digital (SD) memory card
  - Flash media (USB flash drive)
- 

**NOTE:**

A flash device hosting ESXi and vSphere should not be used to store any other data.

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For more information on supported flash devices, see the HPE website (<http://www.hpe.com/info/vmware>).

To configure a server using VMware ESXi and vSphere:

1. Download the installation ISO from the HPE website <http://www.hpe.com/info/esxidownload>.
- 

**NOTE:**

Some ProLiant servers require the use of the HPE Custom Image as it includes the network and storage drivers required to successfully install. This is documented in the HPE OS Support Matrix at <http://www.hpe.com/servers/vmwarecert>.

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2. Burn the installation ISO to a CD, or move the ISO image to a location accessible using the virtual media capabilities of HPE Integrated Lights-Out service processor (iLO).
- 

**NOTE:**

The CD is bootable. Boot the server and install the HPE VMware ESXi and vSphere product either to the hard drive or to flash media (USB flash drive or SD card). You must install the flash media into the internal port on the server.

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3. Set up the server hardware, and if wanted, connect the server to the network.
4. If you install to flash media (USB flash drive or SD card), install the flash media into the internal port on the server.

For instructions on accessing the internal flash media (USB flash drive or SD card) port, see the server documentation.

For hardware requirements, see the server documentation.

5. Access the server console using one of the following ways:
  - Locally – Use a local keyboard and monitor.
  - Remotely – Use the iLO Integrated Remote Console remotely from a network client with a web browser.



Remote setup requires the HPE iLO Advanced Pack, which is sold separately for HPE ProLiant ML and DL servers. The remote graphics capability is included with BL servers.

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**NOTE:**

After you boot up the server, you must press the correct function key when prompted to enter setup mode to configure boot order, configure hardware virtualization, and configure iLO and the Smart Array controller. Familiarize yourself with the following steps and prompts; each prompt is available for only a few seconds during the boot process.

To enter ROM Based Setup Utility (RBSU):

- a. Boot the server.
- b. On Gen8, press **F9**.
- c. On Gen9 and Gen10

Gen10 has a new Graphical System Utilities interface. Selections can be made via the mouse or the keyboard.

- I. Press **F9**.
- II. Scroll to System Configuration and press **Enter**.
- III. Scroll to BIOS/Platform Configuration (RBSU) and press **Enter**.

- 
- 6. If you are installing to flash media (USB flash drive or SD card), configure the flash device to boot before the hard drive. By default, flash media is configured to boot before the hard drive.
    - a. If you are not in RBSU, enter **RBSU**.
    - b. I. For Gen 8 and earlier, scroll down to Standard Boot Order (IPL), and then press **Enter**.
    - II. For Gen9 and Gen10 to navigate to boot order screen, scroll to **Boot Options** and press **Enter**.
      - If booted in **UEFI Mode**  
On Gen9:  
Scroll to **UEFI Boot Order** and press **Enter**.  
To modify the boot order, select the device you want to move, and then press **Enter**. A menu appears to change the device boot order.  
On Gen 10:  
Select **UEFI Boot Settings**.  
Select **UEFI Boot Order**.  
To modify the boot order, select the device you want to move and use the '+' and '-' keys to move the device up or down, respectively, in the list.
      - If booted in **Legacy Mode**  
On Gen9:  
Scroll to **Legacy BIOS Boot Order**.  
To modify the boot order, select the device you want to move and use the '+' and '-' keys to move the device up or down, respectively, in the list.
    - c. Ensure the flash media is set to boot before the hard drive.
  - 7. Set UEFI Optimized Boot to Enable. This should be enabled by default.
    - a. If you are not in RBSU, enter RBSU.
    - b. Scroll down to **Boot Options** and press **Enter**
    - c. Scroll down to **UEFI Optimized Boot** and press **Enter**.

- d. At the next screen, select **Enable** then press **Enter**.
  - e. Save the configuration changes, and then exit. The server reboots.
8. Enable CPU virtualization.
- For CPU-specific virtualization capabilities, you can select **Intel® Virtualization Technology** or **AMD® Virtualization**. You must perform this step for supporting Windows® 64-bit operating systems and all guest 64-bit operating systems such as Linux.
- a. If you are not in RBSU, enter RBSU.
  - b. For Gen 8:
    - I. Scroll down to **Processor Options**, and then press **Enter**.
    - II. Scroll down to the supported processor (either Intel® Virtualization Technology or AMD® Virtualization), and then press **Enter**.

For Gen 9 and Gen 10

On Gen9:

Scroll to **Virtualization Options** and press **Enter**.

At the next screen, select **Enable** and press **Enter**.

On Gen10:

Select Intel (r) Virtualization Technology (Intel VT) or Intel (r) VT-d.

Select **Enable**.
  - c. At the next screen, select **Enable**, and then press **Enter**.
  - d. Save the configuration changes, and then exit. The server reboots.
9. VMware support for USB 3.0 varies across vSphere releases. Releases prior to vSphere 5.5 U3 and vSphere 6.0 do not have USB 3.0 support and therefore the USB 3.0 setting in RBSU must be configured to Auto or Disable.
- a. If not in RBSU, enter RBSU.
  - b. Scroll down to **System Options** and press **Enter**.
  - c. Scroll down to **USB Options** and press **Enter**.
  - d. Scroll down to **USB 3.0 Mode** and press **Enter**. At the next screen, select **Auto** or **Disable** then press **Enter**.
  - e. Save the configuration changes, and then exit. The server reboots.
10. Starting with vSphere 5.5 U3 and vSphere 6.0, support for USB 3.0 is available and you can enable USB 3.0 in RBSU. To support USB 3.0 devices, enable the USB 3.0 setting in RBSU.
- a. If not in RBSU, enter RBSU.
  - b. Scroll down to **System Options** and press **Enter**.
  - c. Scroll down to **USB Options** and press **Enter**.
  - d. Scroll down to **USB 3.0 Mode** and press **Enter**. At the next screen, select **Enable** then press **Enter**.
  - e. Save the configuration changes, and then exit. The server reboots.
11. Starting with VMware vSphere 6.5, VMware supports UEFI Secure Boot. UEFI Secure Boot is disabled by default.
- To configure:
- a. If you are not in RBSU, enter **RBSU**.
  - b. Scroll down to **Server Security** and press **Enter**.
- On Gen9:
- Scroll down to **Secure Boot Enforcement** and press **Enter**.
- Scroll down to **Secure Boot Configuration** and press **Enter**.

At the next screen, select **Enable or Disable** and then press **Enter**.

On Gen10:

Select **Secure Boot Settings**.

Select **Attempt Secure Boot**.

Select **Enable** or **Disable**.

- c. Save the configuration changes, and then exit. The server reboots.

**12. Change the default Power Profile (Optional).**

Choosing the HPE Maximum Power Profile setting in RBSU increases I/O performance for your virtual machines in high traffic situations. However, this setting also causes the platform to consume maximum amount of energy. Please assess the needs of your configuration when choosing Power Profiles.

- a. If you are not in RBSU, enter RBSU.
- b. Select **Power Management Options**.
- c. Select **HPE Power Profile**.
- d. Select **Maximum Performance**.

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**NOTE:**

On older server models, you may see an option for HPE Static High Performance Mode instead of Maximum Performance. If that is the case, select that option. The Maximum Performance Power Profile on newer platforms contains this and other settings.

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- e. Save the configuration changes, and then exit. The server reboots.

On Gen10:

Select **Power and Performance Options**.

Select **HPE Static High Performance Mode**.

**13. To configure iLO 2, iLO 3 or iLO 4 network parameters, directory settings, global settings, and user accounts:**

- a. Boot server

For Gen 8:

Press **F8** to enter iLO configuration utility.

For Gen 9:

I. Press **F9**.

II. Scroll to iLO4 configuration utility and press **Enter**.

For Gen10:

Select iLO 5 **Configuration Utility**.

For more information, see the **HPE Integrated Lights-Out 2 User Guide**, **HPE Integrated Lights-Out 3 User Guide** or **HPE Integrated Lights-Out 4 User Guide**.

**14. To create view, or delete a logical drive for the Smart Array Controller using local storage:**

- a. Boot server.

b. For Gen 8, press **F8**.

c. For Gen 9, press **F9**:

I. Scroll to the **Smart Array controller** and press **Enter**.

II. Scroll to HPE Smart Storage Administrator (HPE SSA) and press **Enter**.

For Gen10, press **F9**.

Select Embedded RAID for the Smart Array controller to be configured.

On the next screen, select the appropriate option to configure the Smart Array controller and attached drives.

For more information, see the **Configuring Arrays on HPE Smart Array Controllers Reference Guide**

15. For customers who do not want to use the HPE Dynamic Smart Array, the instructions for disabling in ROM Based Setup Utility (RBSU) are:

- a. If not in RBSU, enter **RBSU**.

For Gen9 :

- b. For SAS, go to **System Options**, select **HPE Smart Array B320i Raid Configuration** and change it to **DISABLED**.
- c. For SATA, go to **System Options**, select **SATA Controller Options** and go to **Embedded SATA Configuration** and change it to **ENABLE SATA AHCI SUPPORT**.

For Gen10

For SATA:

Select **Storage Options**.

Select **SATA Controller Options**.

Change Embedded SATA configuration to SATA AHCI Support.

There is no Dynamic Smart Array for SAS on Gen10.

# Installation

## Installing the software image locally

1. Place the installation CD into the CD-ROM drive, and then boot the server.
2. Follow the onscreen instructions to complete the installation.

## Installing the software image remotely using iLO

### Installing the software image remotely using iLO 2

Verify that the server has the appropriate iLO 2 license to use Virtual Media.

HPE Blade System c-Class server blades include a license for Virtual Media. For other servers, the HPE iLO 2 Advanced Pack license is required and is sold separately. For more information, contact an HPE authorized reseller.

Following are the procedures to install the software image remotely using iLO 2:

#### Procedure

1. via Virtual Media
2. via Remote Console

#### Virtual Media

1. Open a web browser on your local machine, and then log in to iLO 2 by entering the iLO specific IP Address and credentials.
2. Select the **Virtual Media** tab, and then select the **Virtual Media Applet**.
3. Choose one of the following options:
  - a. Local Media Drive—Proceed to step 4.
  - b. Local Image File—Proceed to step 5.
4.
  - a. Under the Virtual CD/DVD-ROM section, select **Local Media Drive**.
  - b. Enter the path or file name of the image (ISO file) in the text box, or click **Browse** to locate the image file.
  - c. Click **Connect**. The connected drive icon turns green.
5.
  - a. Under the Virtual CD/DVD-ROM section, select **Local Image File**.
  - b. Enter the path or file name of the image (ISO file) in the text box, or click **Browse** to locate the image file.
  - c. Click **Connect**. The connected drive icon turns green.
6. To complete the installation, follow the prompts generated by the installation CD. If performing restoration or recovery, when installation is complete, restore data from the backup files.
7. After the installation, go to the **Virtual Media Applet** and click on **Disconnect** under the Virtual CD/DVD-ROM section. The connected drive icon turns red.
8. (Optional) To discover and manage this server, configure HPE SIM or HPE Insight Control for VMware vCenter Server. For more information about hosting and managing a VMware ESXi and vSphere virtualization environment on ProLiant servers, see the HPE website (<http://www.hpe.com/info/vmware>).

#### Remote Console

1. Open a web browser on your local machine, and then log in to iLO 2 by entering the iLO specific IP Address and credentials.
2. Select **Virtual Media**.
3. Click on any of these options:
  - Integrated Remote Console
  - Integrated Remote Console Fullscreen
  - Remote Console
  - Remote Serial Console
4. Select the **Virtual Media** tab, and then click **Mount** beside **Image**.
5. Enter the path or file name of the image (ISO file) in the text box, or browse to locate the image file.
6. To complete the installation, follow the prompts generated by the installation CD. If performing restoration or recovery, when installation is complete, restore data from the backup files.
7. After the installation, go to the **Virtual Media** and click on **Unmount**.

## Installing the software image remotely using iLO 3, iLO4, and iLO5

1. Verify that the server has the appropriate iLO license to use the Virtual Media, open a web browser on your local machine, and then log in to iLO 3 or iLO 4 by entering the iLO specific IP Address.  
 HP Blade System c-Class server blades include a license for Virtual Media. For other servers, the HPE iLO Advanced Pack license is required and is sold separately. For more information, contact an HP authorized reseller.
2. Expand the **Remote Console** from the left navigation screen and select the **Remote Console**. Under **Integrated Remote Console** select **Launch** or select **Launch** under the **Java Integrated Remote Console** to access the system KVM from a Java applet-based console.
3. An **Application Run – Security Warning** dialog box may appear, click **Run** to download the Integrated Remote Console.

4. For mounting the ISO image file on iLO 5, you can also left-click the thumbnail of the console on the left side of the screen and select .NET Console or Java Webstart Console to launch the select Remote Console:

the iLO 4 and iLO5 Java or iLO3, iLO 4, and iLO5 **Integrated Remote Console**:

Go to **Virtual Drives** menu and select the **Image File CD-ROM/DVD** check box, enter the path or file name of the image (ISO file) in the text box, or browse to locate the ISO image file, and click **Open** to mount the file.

the iLO3 **Java Integrated Remote Console**:

From the **Virtual Drives** menu, go to **CD/DVD** and select **Virtual Image** or select **D:** (if the image is burned on a CD/DVD), enter the path or file name of the image (ISO file) in the text box, or browse to locate the ISO image file, and click **Open** to mount the file.

5. To complete the installation, follow the prompts generated by the installation CD. If performing restoration or recovery, when installation is complete, restore data from the backup files.
6. After the installation:

- For iLO 4 and iLO5 Java or iLO3 and iLO 4 and iLO5

**Integrated Remote Console:**

Go to the **Virtual Drives** menu and unselect the **Image File CD-ROM/DVD** check box.

- For iLO3 **Java Integrated Remote Console**:

From the **Virtual Drives** menu, go to **CD/DVD** and unselect **Virtual Image** or unselect **D:**.

For more information about VMware and setting up your virtualized environment, see the VMware website (<http://www.vmware.com/products/vi/esx/>).

For more information on vSphere 5.x, 6.x deployment, see *Deploying and updating VMware vSphere on HPE ProLiant Servers* at <http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=4AA4-7994ENW&cc=us&lc=en>.

# Activating the standalone license

When downloading the ESXi and vSphere image from HPE or VMware, the installation ISO includes a trial serial number. To obtain a permanent license serial number:

1. Register at the VMware website (<https://www.vmware.com/tryvmware/>).
2. Download the serial number.
3. Use the vSphere Client to insert the license serial number.



# Upgrading to a full license

If you purchase a license for VMware vSphere Essentials, Essentials Plus, Standard, Enterprise or Enterprise Plus or their respective Acceleration kits, follow the instructions included in your package to redeem and apply the license.

# Updating VMware ESXi and vSphere 5.X and 6.X

Updates and patches for VMware ESXi and vSphere are provided and delivered by VMware. These updates and patches include the latest ESXi and vSphere software from VMware. Updates to HPE value-add components are provided and delivered by HPE and are available from the HPE Online Depot at: <http://vibsdepot.hp.com>.

The updates and patches are delivered and installed by VMware Update Manager (VUM). For more information on this process, see the **VUM Administration Guide** ([http://pubs.vmware.com/vsphere-50/topic/com.vmware.vsphere.update\\_manager.doc\\_50/GUID-F7191592-048B-40C7-A610-CFEE6A790AB0.html](http://pubs.vmware.com/vsphere-50/topic/com.vmware.vsphere.update_manager.doc_50/GUID-F7191592-048B-40C7-A610-CFEE6A790AB0.html)).

# Recovering from a system failure

If you encounter a system failure and need to reinstall the software, see [Installing the software image locally](#).

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## **IMPORTANT:**

Using the installation CD completely erases all existing data and user configuration. All preconfigured settings, user data and license information is lost. After reinstalling the software you must reapply your licenses.

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# Support and other resources

## Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:  
<http://www.hpe.com/assistance>
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:  
<http://www.hpe.com/support/hpesc>

### Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

## Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates:

### Hewlett Packard Enterprise Support Center

[www.hpe.com/support/hpesc](http://www.hpe.com/support/hpesc)

### Hewlett Packard Enterprise Support Center: Software downloads

[www.hpe.com/support/downloads](http://www.hpe.com/support/downloads)

### Software Depot

[www.hpe.com/support/softwaredepot](http://www.hpe.com/support/softwaredepot)

- To subscribe to eNewsletters and alerts:  
[www.hpe.com/support/e-updates](http://www.hpe.com/support/e-updates)
- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:  
[www.hpe.com/support/AccessToSupportMaterials](http://www.hpe.com/support/AccessToSupportMaterials)

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### ❗ IMPORTANT:

Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.

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## Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience.

Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

<http://www.hpe.com/support/selfrepair>

## Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

### Remote support and Proactive Care information

#### HPE Get Connected

[www.hpe.com/services/getconnected](http://www.hpe.com/services/getconnected)

#### HPE Proactive Care services

[www.hpe.com/services/proactivecare](http://www.hpe.com/services/proactivecare)

#### HPE Proactive Care service: Supported products list

[www.hpe.com/services/proactivecaresupportedproducts](http://www.hpe.com/services/proactivecaresupportedproducts)

#### HPE Proactive Care advanced service: Supported products list

[www.hpe.com/services/proactivecareadvancedsupportedproducts](http://www.hpe.com/services/proactivecareadvancedsupportedproducts)

### Proactive Care customer information

#### Proactive Care central

[www.hpe.com/services/proactivecarecentral](http://www.hpe.com/services/proactivecarecentral)

#### Proactive Care service activation

[www.hpe.com/services/proactivecarecentralgetstarted](http://www.hpe.com/services/proactivecarecentralgetstarted)

## Warranty information

To view the warranty for your product or to view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products* reference document, go to the Enterprise Safety and Compliance website:

[www.hpe.com/support/Safety-Compliance-EnterpriseProducts](http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts)

### Additional warranty information

#### HPE ProLiant and x86 Servers and Options

[www.hpe.com/support/ProLiantServers-Warranties](http://www.hpe.com/support/ProLiantServers-Warranties)

#### HPE Enterprise Servers

[www.hpe.com/support/EnterpriseServers-Warranties](http://www.hpe.com/support/EnterpriseServers-Warranties)

#### HPE Storage Products

[www.hpe.com/support/Storage-Warranties](http://www.hpe.com/support/Storage-Warranties)

#### HPE Networking Products

[www.hpe.com/support/Networking-Warranties](http://www.hpe.com/support/Networking-Warranties)

# Regulatory information

To view the regulatory information for your product, view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at the Hewlett Packard Enterprise Support Center:

**[www.hpe.com/support/Safety-Compliance-EnterpriseProducts](http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts)**

## Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

**[www.hpe.com/info/reach](http://www.hpe.com/info/reach)**

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

**[www.hpe.com/info/ecodata](http://www.hpe.com/info/ecodata)**

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

**[www.hpe.com/info/environment](http://www.hpe.com/info/environment)**

## Documentation feedback

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