HP Integrated VMware ESXi 4.1 Update 2 Release Notes for March 2012

Abstract

This document provides the latest release information for HP Integrated VMware ESXi 4.1 Update 2.

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1 Navigation tips

Navigating in the HTML document

To navigate through the documentation sequentially:

- Click the Next arrow () for the next topic
- Click Previous arrow () for the previous topic

Navigating using the Internet browser toolbar:

- To return to the last page you viewed, click the **Back** button on the browser toolbar.
- To return to one of the last nine pages you viewed in this session, click the down arrow to the side of the **Back** or **Forward** button on the browser toolbar, and then click the page you want from the list.

Navigating to documentation on the HP 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.hp.com/support.
- For the latest versions of selected technical documentation, go to http://www.hp.com/go/bizsupport.

2 HP VMware ESXi 4.1 Update 2 customized image

The HP ESXi 4.1 Update 2 Customized Image includes the following:

- HP Management Tools:
  - HP CIM Providers
  - HP NMI Driver
  - HP iLO Driver
  - HP CRU Driver
- VMware IOVP Certified Device Drivers added to HP ESXi 4.1 Update 2 installation images for HP device enablement.
- VMware's Standard ESXi 4.1 Update 2 image.
- HP Agentless Management Service (AMS) to support Agentless Management and Active Health.

3 New and updated in this release

The new and updated features for the HP ESXi 4.1 Update 2 Customized Image for March 2012 include:

- VMware ESXi 4.1 U2 is supported on Gen8 servers.
- Supports G5 through Gen8 servers upgrade.
- Provides BladeSystem, Virtual Connect, and FlexFabric support.
- VMware IOVP Certified Device Drivers added to HP ESXi 4.1 Update 2 installation images for HP device enablement.
- Supports HPSIM, HP Insight Control for Virtual Center.
- Insight Control HPSIM, WEBES and RDP support for HP customized images.
- Supports update of HP VIBs using VUM.
- Supports remote online reporting of installed FW versions (report generated via CIM provider data).
- Supports Intel Trusted Execution Tecnology (TXT).
- HP Agentless Management Service (AMS) to support Agentless Management and Active Health.
- Supports SmartSSD Wear Gauge
- Supports HP SmartDrive

4 Important notes and recommendations

Missing Memory Information for HP Proliant BL685c G6 Server in HP Systems Insight Manager

Fixed the issue where HP Systems Insight Manager does not display any memory information for the HP Proliant BL685c G6 Server. Memory information is now displayed in this new release of the HP WBEM Providers.

AMS and Active Health Installation

AMS and Active Health is shipped as part of the HP Custom Image, the ESXi Offline Bundle and a new AMS Offline Bundle. The HP Custom Image and the ESXi Offline Bundle also include the HP Insight Management WBEM Providers. The AMS Offline Bundle only includes the providers required to support SmartArray reporting in vCenter. Customers can manage their ProLiant servers using Agentless Management without installing the AMS Offline Bundle. Only customers who intend to manage their ProLiant servers using only Agentless Management and do not need the full set of HP Insight Management WBEM Providers installed should install the AMS Offline Bundle.

If the customer has ESXi 4.1 U2 and is currently using HP Insight Management WBEM Providers for ESXi and requires Agentless Management and does not need the full set of providers installed, they need to perform the following steps:

1. Uninstall the ESXi Offline Bundle
2. Install the AMS Offline Bundle

If the customer has ESXi 4.1 U2 and is currently using Agentless Management and does not have the full providers installed and requires HP Insight Management WBEM Providers for ESXi, they need to perform the following steps:

1. Uninstall the AMS Offline Bundle
2. Install the ESXi Offline Bundle

Administrators of SANs on VMware ESXi 4.1 Update 2 hosts are unable to communicate with Emulex HBAs using the Emulex OneCommand Plug-in 1.0 for VMware vCenter

When using the VMware vCenter Plug-in and the Emulex CIM Provider Package 3.2.30 on SANs running VMware ESXi 4.x, a pop-up message appears when attempting to communicate with the Emulex LPe1205 8Gb Fibre Channel Host Bus Adapter. For additional information, see http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c03015899.

NC55xx/CN1000E/CN1100E - Network driver may cause a PSOD if there are more than 10 network devices available to the OS

HP devices requiring the ESX/ESXi 4.x Emulex `be2net` network driver may experience a `PSOD` if there are more than 10 network devices available to the ESX/ESXi 4.1U2 host installed with the HP Custom Image. This will be resolved in a patch update to the VMware operating system in the near future.

System memory required to install ESXi 4.1 U2 Customized Image

VMware ESX and ESXi will not install on an HP Gen8 server with 2 GB or less system memory. Although VMware's stated minimum installation requirement is 2 GB of system memory, HP's Gen8 platforms do not expose enough of the 2 GB of system memory to the operating system, causing the installation to fail. This issue is resolved by populating the system with more than 2 GB of memory.