

HP VMware vSphere 5.1 U1 Customized Image Release Notes for September 2013 Updates

Abstract

This document provides the latest release information for HP VMware vSphere 5.1 U1 Customized Image.

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1 Navigation tips

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> (<http://www.hp.com/support>).
- For the latest versions of selected technical documentation, go to <http://www.hp.com/go/bizsupport> (<http://www.hp.com/go/bizsupport>).

2 HP VMware vSphere 5.1 U1 Customized Image

The HP vSphere 5.1 U1 Customized Image includes the following:

- HP Management Tools:
 - HP CIM Providers
 - HP NMI Driver
 - HP iLO Driver
 - HP CRU Driver
 - HPONCONFIG Utility
 - HPBOOTCFG Utility
 - HPSSACLI Utility
 - HPTESTEVENT utility
- VMware IOVP Certified Device Drivers added to HP vSphere 5.1 U1 installation images for HP device enablement.
- HP Agentless Management Service (AMS) to support Agentless Management and Active Health.
- HP CIM Providers and HP Agentless Management Service (AMS) are now available in this version of the HP Customized Image. This version of the HP Customized Image supersedes version 5.60 which does not include these products. The version is found in the name of the HP Custom Image download file, for example:
`VMware-ESXi-5.1.0-Update1-1065491-HP-5.60.40-Sep2013.iso.`

3 New and updated in this release

The new and updated features for the HP vSphere 5.1 U1 Customized Image for September 2013 include:

- Provider Features
 - Report Smart array driver name and version.
 - Report SAS driver name and version.
 - Report SCSI driver name and version
 - Report Firmware version of 'System Programmable Logic Device'.
 - Report SPS/ME firmware.
 - Added SCSI HBA Provider.
 - Report IdentityInfoType and IdentityInfoValue for PowerControllerFirmware class.
 - IPv6 support for OA and iLO.
 - Report Memory DIMM part number for HP Smart Memory.
 - Added new 'Test SNMP Trap'.
 - Updated reporting of memory configuration to align with iLO and health Driver.

- SR-IOV Support

- Updated Emulex 10Gb network driver to enable SR-IOV for HP.

For additional details on supported servers, Guest Operating Systems, SR-IOV limitations, configuration steps, and troubleshooting, see the [HP White Paper – Implementing SR-IOV on HP ProLiant Servers with VMware vSphere 5.1](#).

- Utilities features

- HPTESTEVENT – New utility to generate test WBEM indication and test SNMP trap.
- HPSSACLI – New utility to replace hpacucli
- HPONCFG – HPONCFG utility, displays the Server Serial Number along with the Server Name when using `hponcfg -g` switch, to extract the Host System Information.

4 Important notes and recommendations

The drivers and firmware recipe information for HP ProLiant servers and options can be found at the following link: <http://vibsdepot.hp.com/hpq/recipes>.

HP CIM Providers and HP Agentless Management Service (AMS) are now available in this version of the HP Customized Image. This version of the HP Customized Image supersedes version 5.60 which does not include these products. The version is found in the name of the HP Custom Image download file, for example:

VMware-ESXi-5.1.0-Update1-1065491-HP-**5.60**.40-Sep2013.iso.

AMS and Active Health Installation

AMS and Active Health is shipped as part of the HP Custom Image, the HP ESXi Offline Bundle and the new Agentless Management Service Offline Bundle. The HP Custom Image and the HP ESXi Offline Bundle also include the HP Insight Management WBEM Providers. The AMS Offline Bundle only includes the providers required to support online firmware update and SmartArray, DIMM Status and iLO 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. See the *Deploying and updating vSphere 5.0 on ProLiant servers* white paper for more information.

If the customer has vSphere 5.1 U1 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 step:

- Install the AMS Offline Bundle to replace the HP ESXi Offline Bundle

If the customer has vSphere 5.1 U1 and is currently using Agentless Management and does not have the full providers installed and wants to move to using HP Insight Management WBEM Providers for vSphere, they need to perform the following step:

- Install the HP vSphere Offline Bundle to replace the AMS Offline Bundle.

AMS Fixes

- Fix for file logging which generated error in 5.1 auto deploy with stateful install environment.
- Fixed AMS excessive vCenter Logging issue.
- Fixed AMS empty and malformed MAC address in `cpqNicIfLogMapMACAddress` mib.

System Memory required for installing vSphere 5.1 U1 Customized Image

VMware vSphere 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.

HP Dynamic Smart Array Controllers (B120i and B320i) cannot be used as the target for a core dump

SAS WWIDs for B120i controllers will be non-unique

Vcenter/Vclient not reporting the degraded status for Smart Array disk drive

Fixed issue where HP Insight Management WBEM Providers were not reporting a degraded status, when the physical drive connected to a Smart Array Controller is pulled out. This resulted VMware vSphere Management Console, Insight Control for vCenter, and other clients of the HP Insight Management WBEM Providers to report incorrect status when the physical drive is pulled out.

Customer Advisory for this issue can be found in the following link: <http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=c03748151&lang=en&cc=us&taskId=101&prodSeriesId=3924066&prodTypeId=329290>.

Fixed issue in HPONCFG utility when upgrading the iLO 3 firmware from 1.2x version to 1.50 and later versions.

Varbinds data mismatch in SNMP traps

Fixed the issue where HP Insight Management WBEM Providers send SNMP traps with mismatched SNMP trap varbind values .

Customer Advisory for this issue can be found in the following link: http://h20564.www2.hp.com/portal/site/hpsc/public/kb/docDisplay/?docId=emr_na-c03835179.

Smart Array License version not reported

Fixed the issue where HP Insight Management WBEM Providers were not reporting the Smart Array license version.

Customer Advisory for this can be found in the following link: http://h20564.www2.hp.com/portal/site/hpsc/public/kb/docDisplay/?docId=emr_na-c03893745.

Broadcom FCoE

The Broadcom FCoE will not have any HP management support enabled in this release. HP management support will be available in a future release.