

HP Intelligent Provisioning 1.60B Release Notes

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Version:

1.60B

Description

Embedded in all HP ProLiant Gen8 servers, Intelligent Provisioning is a single-server deployment tool that installs the operating system, supplying most of drivers required for that operating system in a wizard-style format.

Intelligent Provisioning replaces and improves upon the SmartStart CDs and Smart Update Firmware DVD that were used with previous generation HP ProLiant servers.

These release notes provide information about this release of Intelligent Provisioning, including support information, enhancements, and known issues and their potential workarounds.

User documentation for Intelligent Provisioning is available on the Intelligent Provisioning Information Library page (<http://www.hp.com/go/intelligentprovisioning/docs>).

Update recommendation

Recommended

NOTE: For Microsoft Windows Server 2012 installations, you must run Intelligent Provisioning version 1.30 or later.

For Microsoft Windows Server 2012 R2 installations, you must run Intelligent Provisioning version 1.60 or later.

Supersedes

Intelligent Provisioning 1.60 has been replaced with version 1.60B due to a potential security vulnerability, CVE-2014-0160, also known as “Heartbleed,” that has been detected. For more information, see “[Enhancements and fixes](#)” (page 4).

Product models

Intelligent Provisioning supports HP ProLiant Gen8 servers. For more information, see the “[Server support](#)” (page 5) section.

- ① **IMPORTANT:** HP ProLiant SL and SE servers do not support operating system installations with Intelligent Provisioning, but do support the maintenance features described in the *Performing Maintenance* section of the *HP Intelligent Provisioning User Guide* and online help.
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Operating systems and devices

NOTE: Intelligent Provisioning does not support all server-supported operating systems, including 32-bit Windows operating systems. If you need to install a 32-bit operating system, you can download the drivers from the HP Drivers and Downloads page (<http://www.hp.com/go/support>) and search by the server model.

The following operating systems are supported for use with Intelligent Provisioning:

- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2 Standard, Enterprise, Datacenter, Hyper-V, and Web x64 Editions (with SP1)
- Microsoft Windows Server 2008 Foundation R2 - supported on Single Socket Servers (with SP1)
- Windows 2008 R2 SP1 Server Core

- Red Hat Enterprise Linux 6 for x86
- Red Hat Enterprise Linux 6 for AMD64 and Intel EM64T
- Red Hat Enterprise Linux 5 for x86
- Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T
- SUSE Linux Enterprise Server 11 for x86
- SUSE Linux Enterprise Server 11 for AMD64 and Intel EM64T
- VMware ESXi 5.1 and VMware ESXi 5.1 Update 2
- VMware ESXi 5.0 and VMware ESXi 5.0 Update 1
- VMware ESX 4.1 and VMware ESX 4.1 Update 2
- VMware ESXi 4.1 and VMware ESXi 4.1 Update 2

For information about supported servers and the supported firmware, software, and driver versions, see the *HP Intelligent Provisioning Server Support Guide*, available on the Intelligent Provisioning Information Library (<http://www.hp.com/go/intelligentprovisioning/docs>).

For more information on server support, see the appropriate HP ProLiant Server QuickSpecs.

Correlation between Intelligent Provisioning and HP Service Pack for ProLiant (SPP)

Intelligent Provisioning Version	SPP Release Set
Intelligent Provisioning 1.00	SPP 2012.02.0
Intelligent Provisioning 1.10	SPP 2012.06.0 (B)
Intelligent Provisioning 1.20	SPP 2012.08.0
Intelligent Provisioning 1.30	SPP 2012.10.0
Intelligent Provisioning 1.40	SPP 2013.02.0 (B)
Intelligent Provisioning 1.50	SPP 2013.09.0 (B)
Intelligent Provisioning 1.60	SPP 2014.02.0
Intelligent Provisioning 1.60B	SPP 2014.02.0 (B)

Enhancements and fixes

- Updated the System Management Homepage to address the security vulnerability issue communicated in Security Bulletin HPSBMU02998 for CVE-2014-0160 (also known as "Heartbleed").
- Added UEFI support for HP DL580 Gen8 servers.
- Added support for Microsoft Windows Server 2012 R2.
- Instituted an iLO Federation Management Technology Preview.
- Updated the graphical user interface with a new color scheme.
- Added the Server Security feature to the Reboot process to allow you to re-enable Intelligent Provisioning from either the RBSU or UEFI System Utilities.
- Added installation help for VMware ESXi/vSphere Custom Image.

Server support

The following servers are supported with Intelligent Provisioning:

- HP ProLiant BL420c Gen8 Server
- HP ProLiant BL460c Gen8 Server
- HP ProLiant BL465c Gen8 Server
- HP ProLiant BL660c Gen8 Server
- HP ProLiant DL160 Gen8 Server
- HP ProLiant DL320e Gen8 Server
- HP ProLiant DL320e Gen8 v2 Server
- HP ProLiant DL360e Gen8 Server
- HP ProLiant DL360p Gen8 Server
- HP ProLiant DL380e Gen8 Server
- HP ProLiant DL380p Gen8 Server
- HP ProLiant DL385p Gen8 Server
- HP ProLiant DL560 Gen8 Server
- HP ProLiant DL580 Gen8 Server
- HP ProLiant MicroServer Gen8
- HP ProLiant ML310e Gen8 Server
- HP ProLiant ML350e Gen8 Server
- HP ProLiant ML350e Gen8 v2 Server
- HP ProLiant ML350p Gen8 Server
- HP ProLiant SL230s Gen8 Server
- HP ProLiant SL250s Gen8 Server
- HP ProLiant SL270s Gen8 Server
- HP ProLiant SL4540 Gen8 Server
- HP ProLiant WS460c Gen8 Graphics Server Blade

Prerequisites

- Hardware, firmware, and software requirements for this release are listed in the *HP Intelligent Provisioning Server Support Guide*.
- Prerequisites and support information are documented in the *HP Intelligent Provisioning User Guide*.
- Intelligent Provisioning does not support connecting to an FTP server through a proxy.

Installation instructions

HP ProLiant Gen8 servers are pre-loaded with a basic set of firmware and operating system components that are installed with Intelligent Provisioning. After the server is running, use the Intelligent Provisioning Firmware Update utility to update any components that have been outdated since the server was manufactured.

NOTE: When using the Firmware Update utility, you should verify that the **Installed Version** of the component (displayed on the left side of the Firmware Update screen) is newer than the version listed on the right side of the screen. If the installed version is newer, clear the check box for the component.

Updating instructions are documented in the *HP Intelligent Provisioning User Guide*.

Known issues and suggested actions

HP strongly recommends that the resolutions listed in this document be applied accordingly to instructions in the resolution documents. Failure to do so might result in issues that can cause disruption to the operation and functionality of HP ProLiant servers. This list is updated as new issues are discovered and resolved.

Operational issues

- **Issue:** Entering your e-mail address as your HP Passport User ID might not work during Direct Connect registration even though your e-mail address was the HP Passport User ID you used during the HP Passport registration process.
Suggested action: If you changed your HP Support Center (HPSC) User ID, your e-mail address will no longer work. Enter your User ID and not your e-mail address.
- **Issue:** Fibre Channel configured manual installations using the HP SN1000E 16Gb 1-port PCIe Fibre Channel Host Bus Adapter are not loading the driver. The configured logical unit number (LUN) is not being detected while installing the operating system. This has been observed for both Windows 2012 Datacenter and Red Hat Enterprise Linux 5.9 operating systems.
Suggested action: Use the Recommended or Customized installation method.
- **Issue:** In the **License Management** utility, when you provide the license keys for both the **iLO Advanced License Pack** and the **HP SmartCache License Pack**, and then click **Apply** to save them, it appears that only the last license key that was entered has been saved.
Suggested action: Both the keys are not saved and only the last entered key will be saved. So only one key at a time should be entered and saved.
- **Issue:** Intelligent Provisioning 1.60b does not support multi-boot image configurations with the HP USB Key Utility in UEFI environments.
Suggested action: In UEFI environments use only single-image boot configurations with the HP USB Key Utility.
- **Issue:** Unable to use Network share/FTP source media for installing Intelligent Provisioning.
Suggested action: Use DVD/USB source media for installations in place of Network share/FTP source media.
- **Issue:** When editing the **iLO Functionality** field under the **iLO Access Settings** of the iLO Configuration Utility, the changes are not saved.
Suggested action: Use iLO 4 to change this setting.
- **Issue:** The OS-recommended DVD is acting as a manual installation when the server is set up to be password protected.
Suggested action: The Intelligent Provisioning installation process is working as designed. Because the system is password protected, no changes can be applied that will bypass this issue.

User interface issues

- **Issue:** The **SNMP port** link on the iLO configuration **Management** page is non-operational.
Suggested action: Change the SNMP port by clicking the **Access Settings** link on the **iLO Configuration Utility** page, selecting the **Service** tab, and making the change on the **Service** screen.
- **Issue:** English language content is sometimes included in the non-English-localized (such as Italian or Spanish) OS Review page.
Suggested action: None.

Documentation issues

- **Issue:** In the “Intelligent Provisioning Quick Configs settings and corresponding RBSU settings” section of the *HP Intelligent Provisioning User Guide* and the online help, the following settings are inaccurate:
 - Intelligent Provisioning Quick Configs settings (AMD-based servers), Minimum power usage, Minimum Processor Idle Disabled Enabled Disabled Power Core C1e State: Value should be **Disabled** not Enabled.
 - Intelligent Provisioning Quick Configs settings (AMD-based servers), Minimum power usage, Maximum Memory Bus Frequency: Value should be **800 MHz** not Auto.

Windows-specific issues

- **Issue:** The Volume License installation does not complete when you use the Recommended installation method to install Windows 2008 R2. The following error message is displayed during installation, “Windows cannot read the <ProductKey> setting from the unattend answer file.”
Suggested action: Use the Manual installation method for Windows 2008 R2 if you encounter this error. Not all Volume License media present this problem.
- **Issue:** During a Microsoft Windows Server 2008 R2 installation, the operating system does not install successfully on a Fibre Channel over Ethernet (FCoE) configured set up on Emulex-based cards.
Suggested action: Perform the installation outside of Intelligent Provisioning. Use a USB key containing the FCoE drivers, which are found on the HP website at: http://h20566.www2.hp.com/portal/site/hpsc/template.PAGE/public/psi/swdDetails/?lang=en&cc=US&switem=co_103269_1.

Linux-specific issues

- **Issue:** Cannot perform Linux installations on SD cards in UEFI Boot Mode or Legacy BIOS Boot Mode on HP ProLiant DL580 Gen8 servers.
Suggested action: Linux installations on SD cards are not supported on UEFI-based ProLiant servers, such as the DL580 Gen8 server, at this time.
- **Issue:** While performing any SUSE Linux Enterprise Server OS installation through Intelligent Provisioning, kISO is not supported.
Suggested action: Do not use SUSE Linux Enterprise Server kISO for any SUSE Linux Enterprise Server installation. Intelligent Provisioning does not support kISO. Only use SUSE Linux Enterprise Server Base OS image.

Customer advisories

- SUSE Linux Enterprise Server 11 SP1 - Installation With kISO May Yield Mixed Kernel Version Installations.
http://h20564.www2.hp.com/portal/site/hpsc/public/kb/docDisplay/?docId=emr_na-c03237879

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