



Hewlett Packard
Enterprise

iLO Amplifier Pack 1.50 Release Notes

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Description

The iLO Amplifier Pack is an advanced server inventory, firmware and driver update solution that enables rapid discovery, detailed inventory reporting, firmware, and driver updates by leveraging iLO advanced functionality. The iLO Amplifier Pack performs rapid server discovery and inventory for thousands of supported servers for the purpose of updating firmware and drivers at scale.

Update recommendation

Recommended.

Supersede information

iLO Amplifier Pack 1.40 and all earlier versions.

Product models

iLO Amplifier Pack

Devices supported

iLO Amplifier Pack supports the following HPE ProLiant servers:

- HPE ProLiant Gen8 (Rack, Tower, Blade, and Apollo) server
- HPE ProLiant Gen9 (Rack, Tower, Blade, and Apollo) server
- HPE ProLiant Gen10 (Rack, Tower, Blade, and Apollo) server

Verifying prerequisites

Operating systems

NOTE: Only the following Operating Systems are supported for online updates.

- Microsoft Windows Server 2019
- Microsoft Windows Server 2016
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012 Essentials
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008 R2 Foundation Edition
- Microsoft Windows Server 2008 x64
- Red Hat Enterprise Linux 8 Server (x86-64)
- Red Hat Enterprise Linux 7 Server (x86-64)
- Red Hat Enterprise Linux 6 Server (x86-64)
- SUSE Linux Enterprise Server 15 (x86-64)
- SUSE Linux Enterprise Server 12 (x86-64)
- SUSE Linux Enterprise Server 11 (AMD64/EM64T)
- VMware ESXi Server 6.7 (Gen10 servers only)
- VMware ESXi Server 6.5
- VMware ESXi Server 6.0

Browser requirements

NOTE: Internet Explorer is not a recommended browser.

The following browsers are supported for running the iLO Amplifier Pack web interface:

- Chrome v75.0 or later
- Firefox v68.0 or later

The following settings must be enabled in the browser:

- **JavaScript**—Client-side JavaScript is used by this application.
- **Cookies**—Ensure to enable cookies for certain features to function correctly.

- **Pop-up windows**—Ensure to enable pop-up windows for certain features to function correctly. Verify that pop-up blockers are disabled.
- **TLS**—Ensure to enable TLS in the browser to access the web interface.

Languages

Languages supported for this release:

English

Prerequisites to host iLO Amplifier Pack

Ensure that the host machine meets the hardware requirements to run either of the following:

- VMware ESXi Server v5.5 or later. For more information, see the documentation on the VMware website.
- Windows hypervisor for Windows Server 2016 or Windows Server 2019.

The iLO Amplifier Pack guest VM requires the following resources to be available on the ESXi server and on Windows Hyper-V:

- 4 vCPUs
- 8 GB RAM
- 100 GB of reserved HDD space
- 1.0 Gbps network port (2)

Prerequisites for managed servers

Servers must have the following component versions to be managed by iLO Amplifier Pack:

Gen8 and Gen9 servers	Gen10 servers
<ul style="list-style-type: none"> • iLO 4 v2.30 or later (HPE recommends upgrading to iLO 4 v2.54 or later)¹ • AMS (iLO Agentless Management Service) v10.7.0 or later for Windows or AMS v2.6.1 or later for Linux • HPE SUT v2.0.0 or later 	<ul style="list-style-type: none"> • iLO 5 v1.10 or later • AMS v1.15 or later for Windows and AMS v1.1.0 or later for Linux • iSUT v2.0.0 or later

¹ iLO 4 v2.54 or later is required to update firmware with iLO Amplifier Pack. For more information about using iLO Amplifier Pack to upgrade firmware, see the *iLO Amplifier Pack User Guide* available at <http://www.hpe.com/support/ilo-ap-ug-en>.

For more information about obtaining the required software, see the following websites:


- **iLO:** www.hpe.com/servers/ilo
- **AMS:** www.hpe.com/us/en/product-catalog/detail/pip.5219980.html
- **SUT/iSUT:** <http://www.hpe.com/servers/sut>

Prerequisites for performing updates

- For Gen8, Gen9 and Gen10 servers - SPP (Service Pack for ProLiant) Version 2018.03.0 or later downloaded from www.hpe.com/servers/SPP.

NOTE: HPE recommends using SPP (Service Pack for ProLiant) Version 2019.03.0.

- For ESXi servers - SPP (Service Pack for ProLiant) Version 2019.03.0 or later downloaded from www.hpe.com/servers/SPP.
- If you are planning to use a web server for firmware updates, ensure that the web server includes the following:
 - An HTTP/HTTPS share that hosts SPP iso images and files.
 - The following file extensions added to the MIME Types setting to ensure correct downloading:
 - .bin
 - .iso
 - .xml
 - .pdb

 **IMPORTANT:** Before commencing online updates, ensure that AMS is running and SUT Mode is set to **AutoDeployReboot** or **AutoDeploy**.

Prerequisites for performing online update

Online update for Gen8 and Gen9 servers

- HPE SUT (Smart Update Tools) v2.0.0 or later installed on Gen8 and Gen9 servers
- Bootable baseline ISO image of the firmware update imported into iLO Amplifier Pack. For more information, see "Importing a baseline" in the [iLO Amplifier Pack User Guide](#).

Or

Bootable baseline ISO image of the firmware update extracted to a shared HTTP/HTTPS location on the network and a dedicated web server for hosting SPP (HPE Support Pack for ProLiant) ISO images and files.

- AMS (iLO Agentless Management Service) v10.7.0 or later for Windows or AMS v2.6.1 or later for Linux

iLO repository online update for Gen10 servers

- iSUT (Integrated Smart Update Tools) v2.3.0 and above installed on Gen10 servers.
- iSUT 2.3.6 and above for Gen10 servers running VMware ESXi OS.
- iSUT 2.3.6 and above for servers in High security/FIPS mode
- Bootable baseline ISO image of the firmware update imported into iLO Amplifier Pack. For more information, see "Importing a baseline" in the [iLO Amplifier Pack User Guide](#).
- AMS v1.15.0 or later for Windows and AMS v1.1.0 or later for Linux

Prerequisites for performing offline update

Offline update for Gen8 and Gen9 servers

Bootable baseline ISO image of the firmware update imported into iLO Amplifier Pack. For more information, see "Importing a baseline" in [iLO Amplifier Pack User Guide](#)

Or

Bootable baseline ISO image of the firmware update extracted to a shared HTTP/HTTPS location on the network and a dedicated web server for hosting SPP (HPE Support Pack for ProLiant) ISO images and files.

iLO repository offline update for Gen10 servers

Bootable baseline ISO image of the firmware update imported into iLO Amplifier Pack. For more information, see "Importing a baseline" in [iLO Amplifier Pack User Guide](#)

Prerequisites for performing server system restore

NOTE: Server system recovery can be performed on HPE ProLiant Gen10 Servers only.

Before performing the recovery, verify that the HPE ProLiant Server has the following components installed:

- iLO 5 v1.17 or later
- iLO Advanced license
- SPP consisting of iLO 5 v1.17 or later firmware windows smart component
- iLO Amplifier user with Configure Manager with Security privilege

NOTE: The default user in iLO Amplifier Pack does not have the Configure Manager with Security privilege.

Installation and upgrade instructions

- For detailed instructions about installing iLO Amplifier Pack, see "Installing iLO Amplifier pack" in the **iLO Amplifier Pack User Guide** (Part number: P04465-007).
- For detailed information on upgrade instructions, see "Upgrading the appliance firmware" in the **iLO Amplifier Pack User Guide** (Part number: P04465-007).

Enhancements

This version adds support for the following features and enhancements:

- **Automatically update the iLO Amplifier Pack appliance:** Allow iLO Amplifier Pack to automatically download the updated package and update the appliance when a new version is available, or download the update package in the background and allow the user to manually update.
- **Exclude servers from HPE InfoSight:** Exclude previously included servers from being monitored in InfoSight.
- **Configure alert based refresh:** Ability to configure automatic refresh of server inventory based on alerts received from iLO.
- **Bypass proxy settings:** Allow iLO Amplifier Pack to configure the proxy settings to bypass a specific FQDN, IP address, or a range of IP addresses.
- **Redfish API implementation:** iLO Amplifier Pack is introducing a technical preview for Redfish API. This adds support for Redfish eventing.
- **Enhanced look and feel for Jobs Status Page:** Improved look and feel for jobs status messages on Jobs Status Page, Baseline Compliance Report section, Recovery Jobs Monitor, and Updates Job Monitor pages.
- **New filters:** New filters have been added to view servers managed by HPE OneView or servers that are in unknown state.
- **Appliance OS updates:** Operating system updates.

Issues resolved

The following issues are resolved in this version:

- Fixed an issue where frequent browser login/logout sessions were displayed on the iLO.
- Fixed an issue where the number of critical servers on the main dashboard was not matching with the count in assets page in certain cases.
- Fixed an issue where the iLO Amplifier Pack UI was not accessible when a large number of jobs were started.
- Enabled HPE OneView Managed Servers to be part of a server group.
- Added iLO Health Status to reports.

Known issues

Servers not listed in GUI

Symptom

Servers are not listed in GUI when a server is discovered in iLO Amplifier Pack using an FQDN as both server and Federation Group.

Action

Discover the server using IP address when you want to discover under server and Federation Group.

Servers listed twice

Symptom

Servers are listed twice in iLO Amplifier Pack when an iLO configured with a shared port is discovered using IP and FQDN.

Action

Discover an iLO configured with shared port as either an IP or an FQDN.

iLO Repository Updates and Server Recovery sometimes fail on the servers with iLO 5 v1.30 Firmware

Symptom

iLO Repository Updates and Server Recovery may fail sometimes on the servers with iLO 5 v1.30 Firmware with the following error:

1. iLO Repository Online Update failed to create the Install set.
 - a. **iLO Response Message:** The value ComponentRepository filename for the property xxxxxx (Component name) is not in the list of acceptable values.
 - b. **Solution:** Choose a value from the enumeration list that the implementation can support and resubmit the request if the operation failed.
2. iLO Repository Online Update failed to upload the component to iLO Repository.
3. iLO Repository Online Update task timed out.

Action

1. Clear iLO Repository, and retry the task again.
2. Upgrade to iLO 5 v1.37 or above and retry.

Incorrect CSV file downloaded

Symptom

Incorrect CSV file may be downloaded for activity logs when the log count is greater than 100,000 records.

Action

Clear the activity logs once in 30 days.

Unable to add an iLO Federation group using an IPv6 address or FQDN

Symptom

Unable to add an iLO Federation group using an IPv6 address or FQDN.

Action

Add iLO Federation groups using an IPv4 address.

iLO Amplifier pack does not support managing iLO Federation Groups using IPv6. This feature will be added in a future release.

Websites

iLO Amplifier Pack

NOTE: For any product feedback, send an email to iloamplifiersupport@hpe.com.

For any product queries or issues, refer to our support channels.

Product page

www.hpe.com/servers/iloamplifierpack

Activation portal

www.hpe.com/downloads/iloamplifierpack

iLO Amplifier Pack Information Library

www.hpe.com/support/ilo-ap-docs

User Guide

www.hpe.com/support/ilo-ap-ug-en

Frequently Asked Questions

www.hpe.com/support/ilo-ap-faq

Release Notes

www.hpe.com/support/ilo-ap-rn-en

iLO

iLO 4

<http://www.hpe.com/info/ilo/docs>

iLO 5

<http://www.hpe.com/info/ilo/docs>

iLO licensing

<http://www.hpe.com/info/ilo/licensing>

HPE ProLiant Servers

HPE ProLiant Gen8 servers

<http://www.hpe.com/info/proliantgen8/docs>

HPE ProLiant Gen9 servers

<http://www.hpe.com/support/proliantgen9/docs>

HPE ProLiant Gen10 servers

<http://www.hpe.com/info/proliantgen10-docs>

HPE InfoSight

HPE InfoSight for Servers

<http://www.hpe.com/servers/infosight>

General

Hewlett Packard Enterprise Information Library

www.hpe.com/info/EIL

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