



Hewlett Packard
Enterprise

iLO Amplifier Pack 1.02
Release Notes

Description

The iLO Amplifier Pack is an advanced server inventory and firmware and driver update solution that enables rapid discovery, detailed inventory reporting, and firmware and driver updates by leveraging iLO advanced functionality. The iLO Amplifier Pack performs rapid server discovery and inventory for thousands of ProLiant Gen8 and Gen9 (Rack, Tower, Blade, Apollo) servers for the purpose of updating firmware and drivers at scale.

Supported devices

iLO Amplifier Pack supports all HPE ProLiant and Apollo Gen8 and Gen9 servers.

Note: The following Operating Systems are supported for Online Updates

- 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 HPC Server 2008 R2
- Microsoft Windows Server 2008 x64
- Red Hat Enterprise Linux 7 Server
- Red Hat Enterprise Linux 6 Server (x86-64)
- SUSE Linux Enterprise Server 12
- SUSE Linux Enterprise Server 11 (AMD64/EM64T)

Browser requirements

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

- Chrome v56.0 or later
- Firefox v51.0 or later

Note: Internet Explorer browser is not currently recommended.

The following settings must be enabled in the browser:

- **JavaScript:** Client-side JavaScript is used by this application.
- **Cookies:** Cookies must be enabled for certain features to function correctly.
- **Pop-up windows:** Pop-up windows must be enabled for certain features to function correctly. Verify that pop-up blockers are disabled.
- **TLS:** To access the web interface, you must enable TLS in your browser.

Languages

Languages supported for this release:

- English

Prerequisites to host iLO Amplifier Pack

The hardware requirements to run ESXi server v.5.5 can be found on VMware website. The iLO Amplifier Pack guest VM requires the following resources to be available on the ESXi server:

- 4 vCPUs
- 2 GB RAM
- 8 GB HDD
- 2 Network Ports 1.0 Gbps

For managing servers beyond 4000, it is recommended to increase the RAM of the iLO Amplifier Pack guest VM by 1GB for every 4000 managed servers.

Prerequisites for managed servers

- iLO 4 v2.30 and later (HPE recommends upgrading to iLO 4 v2.54)
- AMS 10.6.0 and later (Windows)
- AMS 2.5.2 and later (Linux)
- SUT 1.8.0 and later (HPE recommends upgrading to SUT 2.0.0)

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

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

Prerequisites for performing updates

- Service Pack for ProLiant (SPP) Version 2016.10.0 or later downloaded from www.hpe.com/servers/SPP
- A web server hosting firmware binaries and SPP files.

Registering for iLO Amplifier Pack download

Please register at www.hpe.com/servers/iloamplifierpack to obtain the iLO Amplifier Pack OVA file and activation key.

Upgrade instructions

1. Download the iLO Amplifier Pack upgrade binary file and verify the checksum/hash of the file.
2. Login to iLO Amplifier Pack, click **Configuration Settings**, and then click **System Update**.
3. Select the upload method for the binary file:
 - NFS/HTTPS/USB
 - Local drive
4. Place the upgrade binary file in the selected location and then provide the appropriate details for the selected upload method.
5. Click **Update** to begin the upgrade.
6. After the update is complete, the VM restarts with the new version of iLO Amplifier Pack.

Note:

- Updates will not be processed if any of the tasks are in running state.
- HPE recommends making a backup of the current iLO Amplifier Pack configuration before performing an upgrade.

Installation instructions

1. Download the iLO Amplifier Pack OVA file and verify the checksum/hash of the file.
2. Use VMware vSphere Client to connect to any VMWare ESXi Server (v5.5 and later).
3. Make sure the system is connected to Ethernet using the LAN cable.
Note: iLO Amplifier Pack does not support Wi-Fi.
4. Click **File, Deploy OVF Template** and then follow the on-screen instructions.
5. After the image is imported, power on the virtual machine.
6. The virtual machine can take some time to boot up. If DHCP is not supported, the virtual machine can take up to five minutes to boot up.
7. Wait until the first time setup screen is displayed on the console, and then follow the on-screen instructions to set up the virtual machine.
8. Configure the network and user settings.
9. From your desktop, launch iLO Amplifier Pack using the **https://<IP_address>** that displays on screen when the virtual machine is ready.
10. Login using the user credentials that you created during first time setup.
11. Activate the iLO Amplifier Pack using the key that was provided in the registration email.

Checksum verification

Please use an appropriate checksum verification tool to verify the integrity of the downloaded files.

Enhancements in v1.02

- GUI improvements have been made to provide a better user experience.
- Report pages load faster.
- Hostnames have been added for better identification of managed servers in reports and other pages.
- Support has been added for secure proxy connections.
- Support for choosing secure/unsecure SMTP connections. The number of local users has been increased to 20.
- Improvements have been made to the discovery and inventory processes.

Fixes in v1.02

- The firmware report has been fixed to show the details that had been missing, such as PCI devices, network devices, and storage device details.
- Fixed an issue in which iLO Amplifier Pack stopped responding after discovering more than 2048 non federated servers.
- Fixed an issue in which sessions timed out even when the idle timeout was set to infinity.

Known issues

- The browser must be refreshed sometimes when the output of certain operations are not reflected immediately in the GUI.
- After performing online firmware update or offline firmware update, the server inventory must be refreshed manually in order to see the latest inventory details.
- **Failed to load telemetric information** message appears sometimes on the **Diagnostics** page during high network utilization.
- iLO Amplifier Pack may take time to reflect the proper time after configuring NTP during initial setup or when restoring the configuration.
- An abort request for online update task may fail intermittently.
- When a server inventory refresh is being performed, the responsiveness of the GUI may be slower.
- When alerts or events are displayed on pages in the **Alerts and Events** section, navigating across the pages within the table may be slower.

Open Source usage

The iLO Amplifier Pack includes code licensed under the GNU General Public License, the GNU Lesser General Public License, and/or certain other open source licenses. A complete machine-readable copy of the source code corresponding to such code is available upon request. This offer is valid to anyone in receipt of this information and shall expire three years following the date of the final distribution of this product version by Hewlett Packard Enterprise Company. To obtain such source code, send a check or money order in the amount of US \$10.00 to:

Hewlett Packard Enterprise Company

Attn: General Counsel

3000 Hanover Street

Palo Alto, CA 94304

USA

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