RETIRED: This document has been officially retired, and the base products listed herein are now considered obsolete and are no longer available for sale. Consequently, the information contained within may no longer be current. This document is provided exclusively for reference and informational purposes.

Overview

For latest information please visit **HPE iLO Amplifier Pack** product page

iLO Amplifier Pack

iLO Amplifier Pack is new inventory and firmware and software update management tool from HPE. It can discover and inventory up to 10,000 servers providing you with detailed server inventory and downloadable reports. The massive scale enables you to view your complete inventory and keep your servers up to date from a single dashboard.

On premise aggregator: Typically, in an enterprise datacentre environment, it is not desirable to have every server communicate through the firewall to a cloud-based solution or service that resides outside of it. An on-premise aggregator ensures that there is a single point of egress from the customer's environment. The iLO Amplifier Pack is used as an on-premise aggregator for HPE InfoSight for Servers. For more info refer to **HPE InfoSight for Servers QuickSpecs**

iLO Amplifier Pack is the Hewlett Packard Enterprise deployment engine for updating firmware, drivers, agents and configuration tools for Gen8, Gen9 and Gen10 HPE ProLiant servers (Rack, Tower) and HPE Blade servers. iLO Amplifier Pack provides a browser-based graphical user interface (GUI) as well as a command-line interface (CLI).

iLO Amplifier Pack discovers supported servers and gets detailed inventory from the iLO management processor. The inventory includes firmware, software and hardware details which can be viewed and downloaded from the GUI.

iLO Amplifier Pack has an integrated hardware and software discovery engine that finds the installed hardware and current versions of firmware and software in use on target servers. iLO Amplifier Pack installs updates in the correct order and ensures that all dependencies are met before deploying an update. It also minimizes downtime by deploying all updates while the target servers are online, limiting the downtime to a single reboot in most cases.

iLO Amplifier Pack supports both online and offline modes for updates. It leverages SUT for online firmware and driver updates while allowing the servers to be rebooted independently. It can also be used for offline firmware updates which involved powering off the servers before updates.

iLO Amplifier Pack supports a feature called Server System Restore which provides users the ability to recover a system that has corrupt or compromised firmware. The product allows you to associate a recovery policy with each server under its management. This policy enables a user to specify the firmware configuration settings and a bootable .iso file that can be used to initiate the user defined recovery of the Operating System, layered products on the Operating System and also data recovery.

Standard Features

A simple Graphical User Interface (GUI) enables all discovery and common server operations and the dashboard provides basic health information. iLO Amplifier Pack also provides a limited command-line interface (CLI).

Search bar on almost every screen instantly gets you the information you want for increased productivity, with search support for all the elements in your inventory (for example, to search for alerts)

The iLO Amplifier Pack management appliance is delivered as a virtual appliance running in a VMware ESXi virtual machine. The appliance is 'OS-agnostic' with the capability to manage servers running both Windows and Linux operating systems from the iLO management processor. The iLO Amplifier Pack management appliance upgrade support is also provided to help existing users easily update to the latest version of the appliance.

The iLO Amplifier Pack management appliance is security-hardened with limited open ports, and limited access to the command prompt. Sensitive data on the appliance is encrypted and data downloaded from the appliance is encrypted by default (e.g. backup files).

iLO Amplifier Pack appliance backups can be taken from within the tool and a new appliance can be restored using these backups. The appliance backup stores configuration, settings and server credentials which are encrypted. The inventory data is not stored in persistent storage and will be rediscovered when iLO Amplifier Pack is restored.

There are no additional licenses required to use iLO Amplifier Pack.

iLO Amplifier Pack can be deployed in VMWare, Windows or Linux hypervisor. After deploying a first-time setup needs be performed to get the appliance up and running.
iLO Amplifier Pack can be used to rapidly discover and inventory supported HPE servers using either IPv4 addresses or existing iLO Federation groups.

Detailed hardware and firmware inventory is available for all discovered servers.

iLO Amplifier Pack dashboard provides a visual snapshot of the health status of discovered servers with the ability to click down into additional details. All server events, iLO Amplifier Pack logs and task status can be viewed from the GUI.

All monitoring and management of data centre devices is agentless and out-of-band for increased security and reliability.
Alerts on UI or via email or If This Then That (IFTTT) can be configured through the iLO Amplifier Pack GUI as well.

iLO Amplifier Pack leverages and extends the HPE Smart Update portfolio of **Service Pack for ProLiant (SPP)** and **Smart Update Manager (SUM)** for breakthrough system maintenance at the scale of your datacentre. iLO Amplifier Pack and SPP provide capabilities to systematically update HPE ProLiant servers with one-click simplicity. Multiple servers or iLO Federation groups can be updated in one task and iLO Amplifier Pack automatically batches update tasks when large number of servers are selected for updates.

The Trusted Platform Module (TPM), when used with BitLocker, measures a system state and, upon detection of a changed ROM image, restricts access to the Windows file system if the user cannot provide the recovery key. iLO Amplifier Pack detects if a TPM is enabled and provides the user and option to override.

iLO Amplifier Pack support firmware updates of iLO and other firmware components (System ROM, PLD) directly from the "Actions" menu.

iLO Amplifier Pack supports online deployments of firmware for Windows®, and Linux operating systems. iLO Amplifier Pack uses **Smart Update Tool (SUT)** and **Agentless Management Service (AMS)** for online updates and these latest version of these components need to be installed on the managed server.

Standard Features

Some components updates may require server reboots to activate which can be done at convenient times from the iLO Amplifier Pack GUI.

iLO Amplifier Pack supports offline deployments of all firmware without requiring installation of AMS or SUT on the managed server. Offline updates are OS agnostic and can be used to update firmware on servers with or without an OS.
Standardized reports are available to users of iLO Amplifier Pack. A pre-defined list of reports is available from the user interface and these reports can be viewed in the GUI or exported to CSV. Pre-defined reports include:

- Firmware Report
- iLO License Report
- Basic Device Report
- Hardware Inventory Report

Users can customize reports and download them as well. Device driver details can be included in the custom reports as well.
iLO Amplifier Pack support all Gen8, Gen9 and Gen10 Rack, Tower, Blade servers with iLO4 and iLO5.

Notes: Other Blade components like Virtual Connect (VC) or Onboard Administrator (OA) cannot be updated by iLO Amplifier Pack.

Baseline Compliance Reports: Support for generating SPP Baseline Compliance Report using the imported SPP Baselines. InfoSight integration:

- Connect iLO Amplifier Pack with HPE InfoSight to view, manage, and troubleshoot server problems.
- Schedule when the daily transmission of AHS logs to HPE InfoSight occurs.
- Use the InfoSight Status Report page to view the status of AHS log transmissions and trigger a manual AHS log collection for one or multiple servers, to send to the HPE InfoSight backend.

Test connection button: Test the connectivity to the HPE InfoSight portal using the Test connection button on the InfoSight Registration page.

InfoSight recommended alerts: Receive hotfix alerts from InfoSight in iLO Amplifier Pack. These recommendations can be further configured using email/IFTTT.

InfoSight initiated hotfix updates: iLO Amplifier Pack now automatically downloads the required components and performs the hotfix updates on multiple servers initiated from InfoSight. Increased coverage for InfoSight wellness alerts and automatic support case creation via Unified Supportability Pipeline add-on service.

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.

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.

Server groups: Create and manage logical groups of servers without the need for iLO Federation groups.

IPv6 support: iLO Amplifier Pack can now be configured with IPv4 and/or IPv6. Servers can be managed with IPv4 and/or IPv6.

iLO High Security & FIPS mode support: Firmware and software updates can now be performed successfully on servers which are configured with High Security or FIPS mode.

VMware ESXi support: Perform updates on Gen10 servers having the ESXi operating system.

Standard Features

Stage and deploy firmware updates: Use different update strategies to stage server firmware updates during the non-maintenance window and then deploy these updates during the maintenance window.

Add-on service support: iLO Amplifier Pack 1.60 introduces support for add-on services. These services can be integrated with other supported products to enhance the functionality and use the robust features of iLO Amplifier Pack. This release includes the HPE Hardware Support Manager (HSM) plug-in for VMware vSphere Lifecycle Manager addon Service. Diagnose and download.

InfoSight connectivity logs: New button on the InfoSight setup page allows the download of InfoSight connectivity diagnostic logs for improved troubleshooting by support personnel.

Anonymous usage data: Users can opt to send anonymous data about how they use the iLO Amplifier Pack appliance to help improve the product experience.

Automated, scheduled server discovery: iLO Amplifier Pack now automatically discovers servers in an IPv4 range at a scheduled time.

Product Evolution

- **v1.00 (Mar 2017)**
  - Support for Gen8 and Gen9 HPE servers
  - Scaled Discovery and inventory of 10,000 servers
  - Online and Offline firmware and driver updates
  - Alerts via e-Mail, IFTTT
  - Reports (Basic Device Firmware, License, Hardware)
- **v1.10 (Aug 2017) v1.15 (Dec 2017)**
  - Support for Gen10 HPE Servers
  - Northbound Redfish API
  - Hosting imported SPP baselines
  - Server System Restore
- **v1.20 (Mar 2018) v1.25 (Jul 2018)**
  - Active Directory / LDAP integration support
  - Customizable Reports
  - Improved Redfish Conformance
  - Full SPP Baseline Compliance Report
- **v1.30 (Dec 2018) v1.40 (May 2019)**
  - InfoSight Integration
  - Online update support for VMWare OSes (Gen10)
  - Server Groups
  - Stage and Deploy for updates
  - Support for Hyper-V
  - IPv6 Support
- **v1.50 (Sep 2019) v1.60 (Mar 2020)**
  - Auto update of iLO Amplifier
  - Redfish conformance for Jobs API
  - Redfish Eventing
  - Platformization of iLO Amplifier
  - HSM Plugin for vLCM

Standard Features

- **v1.70 (Jun 2020)**
  - InfoSight recommended alerts hotfix alerts
  - Opt-in Anonymous usage data
  - Download binaries from the HPE Software Center
- **v1.80 (Feb 2021)**
  - InfoSight initiated hotfix updates
  - Automated, scheduled server discovery
  - Support for IPv6 static routes
  - Configurable time-outs for HTTPs connections to iLO.
- **v1.90 (Apr 2021)**
  - Increased coverage for InfoSight wellness alerts and automatic support case creation via Unified Supportability Pipeline add-on service.
  - Improvements to firmware updates performed by iLO Amplifier Pack.

- Latest User Guide: **http://www.hpe.com/support/ilo-ap-ug-en**
- Latest Release notes: **http://www.hpe.com/support/ilo-ap-rn-en**
- Free download: **https://myenterpriselicense.hpe.com/cwp-ui/free-software/Z7550-96934**
- Product Page: **https://buy.hpe.com/us/en/software/server-management-software/server-ilo-management/ilo-management-engine/ilo-amplifier-pack/p/1009838729**

Service and Support

HPE Pointnext - Service and Support

Get the most from your HPE Products. Get the expertise you need at every step of your IT journey with **HPE Pointnext Services**. We help you lower your risks and overall costs using automation and methodologies that have been tested and refined by HPE experts through thousands of deployments globally. HPE Pointnext **Advisory Services**, focus on your business outcomes and goals, partnering with you to design your transformation and build a roadmap tuned to your unique challenges. Our **Professional** and **Operational Services** can be leveraged to speed up time-to-production, boost performance and accelerate your business. HPE Pointnext specializes in flawless and on-time implementation, on-budget execution, and creative configurations that get the most out of software and hardware alike.

Consume IT on your terms

HPE GreenLake brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake accelerates digital transformation in a distributed, edge-to-cloud world..

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

Managed services to run your IT operations

HPE GreenLake Management Services provides services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

Free up resources with Operational Services from HPE Pointnext Services

HPE delivers services for IT by using proven best practices as well as automation and methodologies that have been tested and refined by HPE experts and artificial intelligence through thousands of deployments globally. Choose from the recommended services for customers purchasing from Hewlett Packard Enterprise or an authorized reseller. Services are quoted using Hewlett Packard Enterprise order configuration tools.

HPE Pointnext Tech Care

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care is available in three response levels. Basic, which provides 9x5 business hour availability and a 2 hour response time. Essential which provides a 15 minute response time 24x7 for most enterprise level customers, and Critical which includes a 6 hour repair commitment where available and outage management response for severity 1 incidents.

https://www.hpe.com/services/techcare

HPE Pointnext Complete Care

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts. HPE Pointnext Complete Care provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

https://www.hpe.com/services/completecare

Service and Support

Notes: iLO Amplifier Pack is supported as a part of the Hewlett Packard Enterprise Server Infrastructure. No additional support services are required to be purchased.

HPE Technology Services for Industry Standard Servers

HPE Technology Services delivers confidence, reduces risk and helps customers realize agility and stability. Connect to Hewlett Packard Enterprise to help prevent problems and solve issues faster. Our support technology lets you to tap into the knowledge of millions of devices and thousands of experts to stay informed and in control, anywhere, any time.

Protect your business beyond warranty with HPE Packaged Support Services

HPE Packaged Support Services enable you to order the right service level, length of coverage and response time as you purchase your new server, giving you full entitlement for the term you select.

Get Proactive Notification of Upcoming Software with Subscriber's Choice

Proactive delivery of Product Change Notifications (PCNs), Customer Advisories (CAs), and software driver alerts are delivered through Subscriber's Choice. We encourage you to begin taking advantage of the feature-rich notifications delivered from Hewlett Packard Enterprise Subscriber's Choice at: **http://www.hpe.com/info/myadvisory.**

Parts and Materials

Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product QuickSpecs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Defective Media Retention

An option available with HPE Pointnext Complete Care and HPE Pointnext Tech Care and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

For more information

- **www.hpe.com/services**
- **https://www.hpe.com/us/en/services/operational.html**

To learn more on HPE Storage Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE" **https://www.hpe.com/us/en/contact-hpe.html**

HPE Support Services are sold by HPE and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find HPE Support Services at **https://ssc.hpe.com/portal/site/ssc/**

Summary of Changes

Date	Version History	Action	Description of Change
04-Oct-2021	Version 7	Changed	Service and Support Pointnext Tech Care and Complete Care information updated
02-Aug-2021	Version 6	Changed	Overview, Standard Features sections were updated Service and Support Pointnext information added
04-Nov-2019	Version 5	Changed	Overview section was updated.
14-Apr-2018	Version 4	Changed	Standard Features was updated
21-Dec-2017	Version 3	Changed	Overview was updated
18-Sep-2017	Version 2	Added	Added Gen10 support.
27-Mar-2017	Version 1	Added	New QuickSpecs.

Copyright

Make the right purchase decision.
Contact our presales specialists.

Chat

Email

Call

Get updates

© Copyright 2021 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows NT are US registered trademarks of Microsoft Corporation. VMware is a US registered trademark of VMware Corporation.

a00002716enw - 15870 - Worldwide - V7 - 04-October-2021