



Hewlett Packard
Enterprise

HPE iLO 4 2.70 Release Notes

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Description

iLO 4 is a remote server management processor embedded on the system boards of HPE ProLiant servers and Synergy compute modules. iLO enables the monitoring and controlling of servers from remote locations. iLO management is a powerful tool that provides multiple ways to configure, update, monitor, and repair servers remotely. iLO (Standard) comes preconfigured on Hewlett Packard Enterprise servers without an additional cost or license.

Features that enhance server administrator productivity are licensed. For more information, see the iLO licensing guide at the following website: <http://www.hpe.com/info/ilo/docs>.

Update recommendation

Update recommendation: Recommended

Supersede information

Supersedes: 2.62

Product

This release applies to the following products: HPE iLO 4.

Devices supported

This version of the iLO 4 firmware is supported on the following server models:

Gen9 servers

- HPE ProLiant BL660c Gen9 Server Blade
- HPE ProLiant BL460c Gen9 Server Blade
- HPE ProLiant DL580 Gen9 Server
- HPE ProLiant DL560 Gen9 Server
- HPE ProLiant DL380 Gen9 Server
- HPE ProLiant DL360 Gen9 Server
- HPE ProLiant DL180 Gen9 Server
- HPE ProLiant DL160 Gen9 Server
- HPE ProLiant DL120 Gen9 Server
- HPE ProLiant DL80 Gen9 Server
- HPE ProLiant DL60 Gen9 Server
- HPE ProLiant DL20 Gen9 Server
- HPE ProLiant ML350 Gen9 Server
- HPE ProLiant ML150 Gen9 Server
- HPE ProLiant ML110 Gen9 Server
- HPE ProLiant ML30 Gen9 Server
- HPE ProLiant XL450 Gen9 Server

- HPE ProLiant XL750f Gen9 Server
- HPE ProLiant XL740f Gen9 Server
- HPE ProLiant XL730f Gen9 Server
- HPE ProLiant XL250a Gen9 Server
- HPE ProLiant XL230a Gen9 Server
- HPE ProLiant XL230b Gen9 Server
- HPE ProLiant XL190r Gen9 Server
- HPE ProLiant XL170r Gen9 Server
- HPE ProLiant WS460c Gen9 Graphics Server Blade
- HPE ProLiant EC200a Server
- HPE Synergy 480 Gen9 Compute Module
- HPE Synergy 620 Gen9 Compute Module
- HPE Synergy 660 Gen9 Compute Module
- HPE Synergy 680 Gen9 Compute Module

Gen8 servers

- HPE ProLiant BL660c Gen8 Server Blade
- HPE ProLiant BL465c Gen8 Server Blade
- HPE ProLiant BL460c Gen8 Server Blade
- HPE ProLiant BL420c Gen8 Server Blade
- HPE ProLiant DL580 Gen8 Server
- HPE ProLiant DL560 Gen8 Server
- HPE ProLiant DL385p Gen8 Server
- HPE ProLiant DL380p Gen8 Server
- HPE ProLiant DL380e Gen8 Server
- HPE ProLiant DL360p Gen8 Server
- HPE ProLiant DL360e Gen8 Server
- HPE ProLiant DL320e Gen8 v2 Server
- HPE ProLiant DL320e Gen8 Server
- HPE ProLiant DL160 Gen8 Server
- HPE ProLiant ML350e Gen8 Server
- HPE ProLiant ML350p Gen8 Server
- HPE ProLiant ML310e Gen8 v2 Server
- HPE ProLiant ML310e Gen8 Server
- HPE ProLiant SL4540 Gen8 Server

- HPE ProLiant SL210t Gen8 Server
- HPE ProLiant SL270s Gen8 Server
- HPE ProLiant SL270s Gen8 SE Server
- HPE ProLiant SL250s Gen8 Server
- HPE ProLiant SL230s Gen8 Server
- HPE ProLiant XL220a Gen8 v2 Server
- HPE ProLiant MicroServer Gen8
- HPE ProLiant WS460c Gen8 Graphics Server Blade

Operating systems

This version of the iLO 4 firmware was validated on servers with the following operating systems:

- Microsoft Windows Server 2008

This operating system is supported only on certain platforms. For more information, see the operating system support list for your platform at <http://www.hpe.com/info/OSsupport>.

- Microsoft Windows Server 2012
- Microsoft Windows Server 2012 Essentials
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- Red Hat Enterprise Linux 6 (x86, AMD64/EM64T)
- Red Hat Enterprise Linux 7
- SUSE Linux Enterprise Server 11 SP4 (x86, AMD64/EM64T)
- SUSE Linux Enterprise Server 12 SP3, 12 SP2
- SUSE Linux Enterprise Server 15
- VMware vSphere 6.7, 6.5 U1, 6.5 U2, 6.0 U3

Supported browsers

iLO 4 supports the latest versions of the following browsers:

Preferred browsers

- Google Chrome mobile and desktop
- Mozilla Firefox
- Microsoft Edge

Chrome, Firefox, and Edge provide the best performance with iLO 4.

Legacy browsers

Microsoft Internet Explorer 11

Browser requirements

The iLO web interface requires a browser that meets the following requirements:

- **JavaScript**—The iLO web interface uses client-side JavaScript extensively.
This setting is not enabled by default in all versions of Internet Explorer. To check or change this setting, see the iLO user guide.
- **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 iLO web interface, you must enable TLS 1.0 or later in your browser.

Languages

Languages supported for this release:

- English
- Japanese
- Simplified Chinese

Enhancements

The following enhancements are part of iLO 4 2.70:

- HTML5 Remote Console.
- SNMP trap 18015 cpqNicAllLinksDown (all links down on a network adapter).
- Confirmation dialog box for Remote Console power button actions.
- New Key Manager software support:
 - SafeNet AT KeySecure G350v 8.6.0 and later
 - Gemalto SafeNet KeySecure 8.9.0 and later
- Active Health System updates:
 - Support for the InfoSight Optimized Active Health System download.
 - iLO nonvolatile flash memory wear data logging.
- Embedded remote support updates:
 - Modified the Active Health System log filename used for Embedded remote support uploads.
 - Updated Embedded remote support service events for compatibility with Windows Server 2019.
- Support for hyphens in the **State** and **City or Locality** boxes in Certificate Signing requests.

Fixes

The following issues have been fixed in iLO 4 2.70:

- Linux or VMware systems only: An OS exception or memory corruption might occur during the use of free system memory and the `hpilo` driver.
- Automatic restoration of the iLO backup configuration does not work correctly.
- Redfish calls with iLO 4 2.61 sometimes include an invalid UTF-8 character in the power supply part number.
- The REST call `ilorest -d serverlogs --selectlog=IML --clearlog rc 255` fails when it should succeed.
- Security fix: HPESBHF03917.

For more information, see the following website: <https://support.hpe.com/hpesc/public/home>.

Known issues

- Fibre Channel Ports are displayed with **Degraded** status if they are configured but not attached.
- For ESXi users only: If you are booted from the embedded SD Card, Hewlett Packard Enterprise strongly recommends that you reboot the server immediately after updating the iLO firmware.
- If you use Utimaco Enterprise Secure Key Manager (ESKM) 4.0 and later, ensure that you install the software update that includes updated code signing certificates. If you do not install the required update, your ESKM will enter an error state when restarted after January 1, 2019. For more information, see the [ESKM documentation](#).

Prerequisites

iLO utilities

For best performance, Hewlett Packard Enterprise recommends the following versions of the iLO utilities:

Utility	Version
RESTful Interface Tool (iLOREST)	2.3 or later
HPQLOCFG	5.2 or later
Lights-Out XML Scripting Sample bundle	5.10.0 or later
HPONCFG for Windows	5.3.0 or later
HPONCFG for Linux	5.4.0 or later
LOCFG.PL ¹	5.10.0 or later
HPLOMIG	5.2.0 or later

¹ Available in the Lights-Out XML Scripting Sample bundle.

Licensing

Some features are part of an iLO licensing package. For more information, see the *iLO Licensing Guide* at the following website: <http://www.hpe.com/info/ilo/docs>.

Security best practices

For the latest information about security best practices, see the *HPE Integrated Lights-Out Security Technology Brief* at the following website: <http://www.hpe.com/info/ilo/docs>.

Installation instructions

See the following document for installation instructions:

HPE iLO 4 2.70 User Guide

Part number: 684918-405

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Related information

The latest documentation for iLO 4 is available at: <http://www.hpe.com/info/ilo/docs>.

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