iLO 7 v1.12.00

Release Notes

RN-25HAS8031-00
July 2025

Release notes

iLO

iLO is a remote server management processor embedded on the system boards of supported Advanced Server model. 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.

Supersede information

Supersedes iLO 7 v1.12.

Product

iLO 7

Devices supported

This version of the iLO 7 firmware is supported on the following server models:

- Hitachi Advanced Server HA810 G6
- Hitachi Advanced Server HA820 G6

Operating systems

This version of the iLO 7 firmware was validated on servers with the following operating systems:

- Microsoft Windows Server 2022
- Microsoft Windows Server 2025
- Red Hat Enterprise Linux 9 Server
- SUSE Linux Enterprise Server 15
- VMWare ESXi v8.0
- Ubuntu 22.04 LTS
- Ubuntu 24.04 LTS

Supported browsers

iLO 7 supports the latest versions of the following browsers:

Preferred browsers

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

Chrome, Firefox, and Edge provide the best performance with Hitachi Vantara iLO 7.

Browser requirements

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

- **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, Hitachi Vantara recommends to enable TLS 1.2 and TLS 1.3 in your browser.

Languages

English

Fixes

None.

Enhancements

The following are the enhancements for the iLO 7 v1.12.00 release:

- Support for 2D graph (heatmap) for Thermal Sensors.
- Support from the Real Time Clock (RTC) to configure local time in Hitachi Vantara iLO for G6 Server.
- Support for Hitachi Advanced Server G6 servers from Hitachi Vantara.

Issues and workarounds

The following are the observed issues and workaround in the current iLO 7 v1.13.00 release:

- Redfish support for graceful shutdown currently behaves similarly to a force shutdown.

- Hitachi Vantara recommends using system commands to complete a graceful operating system shutdown.
- When IRC is left idle for a while, a white screen might appear occasionally due to a `WebGL Lost Error` in the Chrome browser.
  Reload IRC.

- When iLO is configured to use Shared NIC and Network cable is plugged in to Dedicated NIC, the Dedicated NIC port LED status may flash even though the interface is disabled and no network traffic exists on the interface.
- Serial interface cannot be disabled through the GUI and Redfish using `/redfish/v1/Managers/1/SerialInterfaces/1`.

  Disable the virtual serial interface from the BIOS RBSU settings.
- When storage MR controllers are configured in `passthrough` mode with the component integrity policy enabled in iLO, the ESXi host OS may fail to boot intermittently, though this occurs rarely, with only a 1% failure rate.
- The uploaded component in iLO repository does not show version on UI for `fwpkg`.
- iLO Virtual NIC (vNic) IP address failed to access without Host Reboot after performing an iLO RESET.

  Disable and Enable the vNIC device in the Windows Device Manager. If that does not help, a subsequent host reset or iLO reset operation can help to resolve the vNIC IP access issue.
- License Confirmation message gets deleted after iLO defaults.
- CAC/Smartcard Authentication using physical smartcard is not supported.
- Failure for upgrading Type-D component greater than 50MB using iLO 7 UI and Redfish.
- Network ports appear as **Unknown** even though ports are connected in Front OCP, otherwise Customer might take this as the Front OCP is not functional (For Rear OCP ports are marked as **Enabled**).
- The LDAP service address cannot be configured using Redfish API when the service port number is also included in the request.

  Try performing the configuration using the iLO 7 UI.
- Supports OCP Slot A/Supports OCP Slot 2 is equivalent to SupportsOCPA/SupportsOCPB if there is a G6 system. These flags are not updated due to backwards compatibility issues.
- After creating volume from MRSA, the RDE GET operation fails with 500 response code.
- The bay information of a Storage Enclosure for a server might be unavailable in the iLO UI and Redfish URIs.
- In certain scenarios specifically with Hitachi Vantara MR416i based Storage Controllers, empty bays with blank firmware versions appear on the Firmware Inventory page.
- A failure is encountered on any G6 Hitachi Advanced Server running RHEL or SUSE Linux OS with FIPS enabled or disabled when trying to downgrade RPM components to an incompatible and unsupported FIPS version.
  - Update the iLO firmware using the iLO Web UI using the FWPKG component.
  - Use iLOrest tool to perform an in-band firmware update from the host operating system using the FWPKG component. Use the command i`LOrest -v flashfwpkg <fwpkg_file> -u <iLO_username> -p<iLO_password>`.
- To support power usage reporting and optimum server thermal fan control on Linux servers with NVIDIA GPU option cards.

  Exclude the Nouveau video driver, and then load the NVIDIA GPU driver in persistent mode by entering the following command: `nvidia-smi -pm 1`.
- When the system is idle for a long time, the CPU `PkgTmp` sensor shows `NA` in the Temperature page.

  Refresh the Temperature page for displaying sensor with readings.

- For some of the Hitachi Vantara Broadcom MR storage controllers, when you create volume from the iLO Redfish interface, iLO returns HTTP enter codes 200 (OK) or 201 (Created) when volume is created successfully.

  Hitachi Vantara recommends creating volume from the host.
- When you try to create more than 128 volumes on the PLDM RDE enabled storage adapters using iLO Redfish interface, iLO returns error.

  Hitachi Vantara recommends creating volumes on the storage adapter in the host.

Prerequisites

iLO utilities for G6 platforms

- RESTful Interface Tool (iLOREST) 6.0.0.0.
- Snap-in (x64) 6.0.0.

iLO utilites for Intel G6 platforms

- Updated utilities and system libraries are required to support the iLO secure standard, FIPS, and CNSA security states.
- The iLO RESTful API is the preferred programmatic interface for G6 systems.
- The preferred CLI and scripting tool is the RESTful Interface Tool (iLOREST).

Licensing

Contact customer support.

Security best practices

For the latest information about security best practices, see the following website: *https://docs.hitachivantara.com/*

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Active Health System Log

The Active Health System monitors and records changes in the server hardware and system configuration. The Active Health System does not collect information about your operations, finances, customers, employees, or partners.

When you download the Active Health System Log, you may optionally append your contact information. When you send Active Health System Log to Hitachi Vantara, you agree to have the data used for analysis, technical resolution, and quality improvements.

Installation instructions

For installation instructions, see *https://docs.hitachivantara.com* .

Deprecated or obsolete features

The following features are not supported due to security reasons:

- RIBCL
- SMASH-CLP
- CHIF (Host OS/BMC channel)
- ILO Federation
- .NET integrated remote console
- Standalone remote console (LOCONS)
- Hitachi Vantara iLO Production Security State
- Automatic Certificate Enrollment method of Hitachi Vantara iLO SSL Certificate import
- Serial interface configuration of `BitRate: 115200` using `/redfish/v1/Managers/1/SerialInterfaces/1`
- Tab completion of commands on the SSH CLI
- Changing the std port# 22 of SSH through iLO
- Lights-Out Configuration Utility (LOCFG)
- Lights-Out Online Configuration Utility (ONCFG)

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