Express5800/R120h-1M, R120h-2M, R120h-1E, R120h-2E, T120h

Supplement of iLO FW updating

Thank you for purchasing our product. This document provides the precautions on the updating of iLO firmware. If you do not follow this document, a trouble, such as a start failure of the server, may occur. Read this instruction carefully, in order to prevent any error in the update operations. Furthermore, if the server malfunctions or the power is disconnected, due to blackout, thunder, disconnection, noise, and other unexpected accidents during rewriting the data, in the worst case, damage occurs in the server and it does not work properly. In these cases, you might be responsible for paying for the repairs.

- iLO firmware is updated to "1.20 Feb 02 2018" when Starter Pack S8.10-003.01 is installed. You can check the iLO firmware version according to the following:

  a) Using Server Health Summary

    Press UID button on the server, and then check the version of iLO firmware displayed on the console that connected to the server. For details, refer to the *iLO User's Guide*.

  b) Using web browser

    Log in iLO by web browser when iLO can connect to the network. Then, check the menu "Firmware & OS software".

- The firmware update should not be suspended. If the firmware update suspends or fails, try the update to it again immediately.

- A TPM or TM is installed in this server. Before updating a system ROM or iLO firmware, suspend or back up any software that stores data on the TPM or TM. For example, if you use drive encryption software, suspend it before updating a firmware. Failure to follow these instructions might result in losing access to your data. Suspend software that uses TPM or TM before you update System ROM (BIOS) or iLO firmware.

- If this iLO firmware is updated to the server to which an old version of iLO firmware has been applied, configure the SNMPv3 alert settings again.

- After updating this firmware, the backup file created by Backup and Restore feature of iLO web interface on old firmware version cannot restore. After applying this firmware, back up iLO settings to the file again.

  We recommend that you back up the iLO settings by Backup and Restore feature after updating firmware in order to prevent losing iLO license key or losing iLO settings.

- In addition to updating this iLO firmware, update the following firmware and software.

  a) System ROM (BIOS): Applying from Standard Program Package on Starter Pack.

  b) Agentless Management Service: Applying from Standard Program Package on Starter Pack.

  c) NEC ESMPRO ServerAgentService: Applying from Applications on Starter Pack.

  d) Product Info Collection Utility: Applying from Applications on Starter Pack.

  e) RESTful Interface Tool: Applying from Applications on Starter Pack.

  f) NEC ESMPRO Manager: See "*Supplement of ESMPRO updating*".

  g) Express Report Service (MG) Receiving Information: See "*Supplement of ESMPRO updating*".

Revision History

Feb 2, 2018 iLO Firmware 1.20

- Support for HTML5 Integrated Remote Console (IRC) in English keyboard environment.
- Support for a mouse wheel in Integrated Remote Console (IRC).
- Support for IPv6 on Shared Network Port.
- Support for iLO Federation on Shared Network Port.
- Support for importing SSL certificates of the RSA-PSS algorithm.
- Support for SNMPv3 Inform notification.
- Enhanced SNMP alert function, which enables to select any of SNMPv1 Trap, SNMPv3 Trap, and SNMPv3 Inform, for each alert destination.
- Enhanced SNMP alert function, which enables to configure the engine ID for each SNMPv3 user.
- The maximum number of the registerable alert destinations increased to 8.
- The maximum number of the registerable SNMPv3 users increased to 8.
- Support for periodic HAS Trap function.
- Support for new "Add to Queue" pane on enhanced firmware and software update page.
- Support for "Remove All" option on enhanced firmware and software update page.
- Support for "Update Recovery Set" option on enhanced firmware and software update page.
- Support for the function to display the names of software installed in OS and/or running software in Japanese on Web interface. (Agentless Management Service needs to be updated.)
- Support for properties of NVMe drive on RESTful API.
- Support for device inventory on RESTful API.
- Support for Service Account option to distinguish iLO user accounts used in management software and the like.
- Change the IML event recorded when the status of system LAN is changed.
- Improved the problem that the System ROM (BIOS) version is missing in AlertMail messages.
- Improved the problem that Virtual Media devices are inaccessible when two virtual devices are mounted simultaneously.
- Improved the problem that a floppy image connected through a script virtual media is always mounted read-only.
- Improved the problem that the alert is not always issued in case FQDN is specified in the address of the remote Syslog server.

- Improved the problem that the alert is not always issued in case FQDN is specified in the SMTP server and the IPv6 address is returned when the name is resolved.

Aug 17, 2017 iLO Firmware 1.15

- Support for the functions to backup and restore the iLO configuration.
- Support for diffie-hellman-group-exchange-sha256 as SSH Key Exchange authentication method.
- Support for multiple destination AlertMail email addresses. Enter the addresses separated by a semicolon.
- Support for Power Cycle on RESTful API.
- Support for properties of High Efficiency Mode on RESTful API.
- Support for properties of Cache Module Serial Number on RESTful API.
- Support for properties of Login Security Banner on RESTful API.
- Support for properties of Current Power On Time on RESTful API. (Provides the time since the system was last powered on.)
- Support for properties of Persistent Mouse/Keyboard Enabled on RESTful API.
- Support for properties of current Cipher Suite on RESTful API.
- Support for propagate NTP Time to Host function to transfer the time which iLO obtained from SNTP server to the host, at the first POST after turning AC to ON.
- Improved the problem that the iLO web interface intermittently displays incorrect memory status after a system reset.
- Improved the problem that the server power page stalls when loading the server power information.
- Improved the problem that Virtual Media status is not displayed in the Java IRC.
- Improved the problem that the local client keyboard might get disabled when the Java IRC is in use.
- Improved the problem that the maximum available power is displayed incorrectly.
- Improved the problem that the first attempt to clear IML fails if the IML contains a maintenance note.
- Improved the problem that secure boot cannot be configured through the RESTful API, even if the pending configuration is in UEFI mode.
- Improved the problem that Onetimeboot and Continuousboot do not take effect in RESTful API.
- Improved the problem that an iLO web interface error occurs after an installed SSL certificate was deleted by using the RESTful API.

- Improved the problem that an iLO Federation authentication error might occur when group names with unsupported characters are used in URLs without correct encoding.
- Improved the problem that a false positive "Insecure Cache Management Policy" issue is reported by some security scanners.
- Improved the problem that iLO federation group cannot be created by the one or two-byte group key.

Jun 7, 2017 iLO Firmware 1.10

- Initial release.