



Hewlett Packard Enterprise Support Center

Enterprise

驱动程序和软件

Firmware Upgrade for HP ProLiant DL160 G5/DL160 G5p/DL165 G5/DL165 G5p/DL165 G6/DL185 G5/SL165z G6 Lights-Out 100 Remote Management (For USB Key-Media)

类型:	固件 (Firmware) 更新 - 管理
版本:	3.20 (B)(22 六月 2010)
操作系统:	DR-DOS Microsoft Windows Server 2003 Microsoft Windows Server 2003 for 64-bit Extended Systems Microsoft Windows Server 2008 Essential Business Microsoft Windows Server 2008 R2 Microsoft Windows Server 2008 Small Business Microsoft Windows Server 2008 W32 Microsoft Windows Server 2008 x64 Red Hat Enterprise Linux 4 (AMD64/EM64T) Red Hat Enterprise Linux 4 (x86) Red Hat Enterprise Linux 5 Server (x86) Red Hat Enterprise Linux 5 Server (x86-64) SUSE Linux Enterprise Server 10 (AMD64/EM64T) SUSE Linux Enterprise Server 10 (x86) SUSE Linux Enterprise Server 9 (AMD64/EM64T) SUSE Linux Enterprise Server 9 (x86) Solaris 10 for x86 Systems

说明

This release provides updated firmware images for the latest releases of HP ProLiant DL160 G5/DL160 G5p/DL165 G5/DL165 G5p/DL165 G6/DL185 G5/SL165z G6 Lights-Out 100 Remote Management.

增强功能

Improved temperature sensor discovery, get SEL record, and DHCP Host String discovery to improve DCMI/IPMI compliance.

安装说明

ROMPaq USB Key - Windows-based utility to locally partition, format and copy necessary files to a USB flash media device (e.g. HP Drive Key) through the Windows environment. The created USB flash media device is made bootable and ready to locally restore and/or update the firmware.

1. Obtain a USB Key media.
2. Download the Enhanced SoftPaq to a directory on a system running Microsoft Windows 2000, Microsoft Windows Server 2003, Microsoft Windows Server 2008, Microsoft Windows XP, or Microsoft Windows Vista and change to that directory.
3. From that drive and directory, execute the downloaded SoftPaq file: Simply double click on the SPxxxx file and follow the installation wizard to complete the Enhanced SoftPaq installation process. At the end of a successful installation of the Enhanced SoftPaq a web page will automatically appear to provide you with the different methods for restoring and/or upgrading the firmware on the system.
4. After the USB Key is created, you may delete the downloaded file if you wish.
5. Insert this USB Key into the USB Key port of the system to be updated and power the system on.

版本说明

HP Software License Agreement v1

解决问题

Important notes -

None

Firmware Dependencies:

None

Problems Fixed:

Resolved a rare factory flash issue that could result in corrupting the BMC firmware during the flash. This issue has only been observed in rare circumstances during the manufacturing process.

Resolved security issues where memory leaks could cause the BMC to lose network connectivity.

Resolved a security issue where a malformed packet could cause the BMC to reset and the system fans to go to maximum speed.

Resolved an issue with KVMS not initializing (no output) when http is disabled.

Resolved an issue with aborted firmware flashes when using networks with high latency or heavy traffic by increasing the timeout values for the CLP Load command.

Resolved an issue with DHCP servers that do not respond to the DHCP renewal time (option 58) request with a renewal time T1 value.

Resolved an issue with IPMITOOL power cycle commands where the system might not power cycle correctly in some situations.

Resolved an issue where very cold operating temperatures could cause Lights-Out 100 to become unresponsive after a warm or cold reset command is sent to the BMC.

Known Issues:

It is possible for the user to disable all user accounts from the user administration screen.

Flashing to version 3.05 or later from version 3.04 or earlier may cause the system event log to be cleared.

重要

Important Notes:

None

Deliverable Name:

Firmware Upgrade for HP ProLiant G5 Lights-Out 100i Remote Management:

HP ProLiant DL160 G5 - O12
 HP ProLiant DL165 G5/G6 - O13
 HP ProLiant DL185 G5 - O16
 HP ProLiant DL160 G5p - O28
 HP ProLiant DL165 G5p - O29
 HP ProLiant SL165z G6 - O38

Release Version:

3.20

Last Recommended or Critical Revision:

3.11

Previous Revision:

3.11

Firmware Dependencies:

None

Enhancements/New Features:

Improved temperature sensor discovery, get SEL record, and DHCP Host String discovery to improve DCMI/IPMI compliance.

Problems Fixed:

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修订版历史记录

版本: 3.20 (B) (22 Jun 2010)

修复

Important notes -

None

Firmware Dependencies:

None

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Known Issues:

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增强功能

Improved temperature sensor discovery, get SEL record, and DHCP Host String discovery to improve DCMI/IPMI compliance.

版本: 3.11 (D) (16 Apr 2010)

修复

Important notes -

This release of 3.11 firmware addresses an issue that may cause some license keys to not be accepted as valid. If you are experiencing issues with LO100 license keys not being accepted then you should upgrade to this firmware release.

This release of 3.11 firmware adds support for the HP ProLiant DL165 G5p and supercedes the older 3.07 firmware.

DL165 G5p users upgrading to the LO100 Version 3.11 firmware MUST first upgrade their system to the 7/31/09 System BIOS release or later. The LO100 firmware and the System BIOS firmware must be updated as a pair on the DL165 G5p system only.

Failure to do so may cause the DL165 G5p system NICs to stop working until the BIOS has been updated.

Problems Fixed:

Resolved an issue with the use of the shared NIC that could cause instability with the Lights-Out 100 firmware and cause it to become non-responsive.

Resolved various security issues that could cause Lights-Out 100 to become non-responsive.

Resolved an issue where continuous connection and disconnection of KVMs connections would cause loss of network connectivity.

Resolved an issue where the Lights-Out 100 could not support 4 concurrent telnet sessions.

Resolved an issue where Lights-Out 100 was not supporting 4 concurrent IPMI sessions.

Resolved an issue where an IPMI command to change boot order is persistent only when requested.

Resolved an issue where Lights-Out 100 would be unable to communicate with certain IP addresses when the IP address ended in 253 or 254.

Improved the security of the login process.

Increased the timeout values to prevent aborted firmware uploads when using the CLP Load command through the shared NIC.

Resolved an issue that could allow firmware to be corrupted when using the CLP load command with an invalid image.

Removed auto-discovery of hard drives in the remote virtual media because not all discovered drives were supported. This must be done manually now.

Resolved an issue with the error return value when querying sensor status on missing sensors when using ipmitool.

Resolved issues with synchronization between the UID button status and IPMI and CLP UID state.

Changed the order of the GUID numbers displayed on the web UI main status page.

Removed the automatic reset after uploading SSL/SSH key/certs. Customers must AC cycle the system or do a virtual power down from the web GUI and then use the SMASH CLP command 'reset' under map1 to reset Lights-Out 100.

Resolved an issue with telnet and SSH where ESC key sequences might not be passed through in console redirection sessions.

Changed the number of serial over LAN sessions with write privileges to be restricted to 1 session.

Resolved an issue where aborting a file transfer with remote media could cause issues reconnecting to the remote media.

Added a workaround to allow Magic ISO program to be used for virtual storage.

Reformatted the display of some sensors in the web UI page.

Improved the status reporting of the online flash updates through the CLP and web interface.

Resolved an issue where invalid links appeared in the UI when login attempts failed.

Resolved an issue where very cold operating temperatures could cause Lights-Out 100 to become unresponsive.

Resolved an issue where continuous login/logout of SSL connections would cause loss of network connectivity.

Resolved an issue where continuous mouse movement concurrent with heavy virtual floppy use would cause the mouse to become unresponsive.

Added password security features to user administration web page to prevent snooping.

Resolved an issue where the fan fault status report was incorrect with an IPMI GetChassisStatus command.

Improved the screen formatting for Netscape and Firefox for the Lights-Out 100 web UI.

Improved web UI for better clarity.

The DNS naming feature has been disabled for connections through low-speed shared NICs (which cannot properly support it).

Fixed an issue where LO100 may not respond to ping requests if they came from a different subnet.

Fixed an issue where systems that are using a low-speed shared NIC may not be assigned an IP address from Linux based DHCP servers.

SMASH CLP changes:

Changed the output error message of the CD CLP from "invalid directory" to "invalid target".

Changed the CLP CD command to no longer require a prepended ./ to the absolute path.

Moved log1 to be under system1.

Moved the sensor and FRU data to map1.

Resolved issues with the parsing of an implicit target.

Resolved display issues with the show command in the sensor profile.

Resolved an issue with the CLP load help command not producing any output.

Added support for the -wait, -keep,-examine, and -display CLP options.

Added start / stop commands for the console redirection to the CLP.

Resolved an issue where the last character was not being displayed for target names.

Added -level command for the show option.

Resolved an issue with the the command line ordering of the help displays for the CLP.

Resolved an issue that allowed mixed case characters for logins when setting usernames and passwords (and filenames for the CLP LOAD command) through the CLP.

Reversed the fan upper/lower critical event messages reported in the CLP to make it consistent with the web display.

Added the serial number and demo key "# of days remaining" to map1.

Resolved an issue where some sensors in the CLP were not displaying correctly.

Added idate property to identify license installation date.

Resolved an issue with exceptions being generated by typing help in the CLP.

Added status messages for firmware download and key/cert downloads.

Remote graphical console fixes:

Cleared remote graphical console screen when the managed system powers off.

Resolved an issue where the remote graphical console viewer wasn't correctly displaying an initial blue screen during a Windows install.

Resolved an issue where a remote graphical console session wasn't correctly disconnected even though the client was shutdown. This would eventually result in an inability to establish a new remote graphical console session.

Resolved an issue with remote graphical console supporting certain legacy graphics modes.

Resolved an issue where remote storage could intermittently disconnect or become unresponsive when the managed system reboots.

Resolved an intermittent several second delay in launching the remote graphical console functionality when the link was clicked.

Resolved remote graphical console display issues with certain legacy VGA modes.

Resolved an issue with graphics mode switching using Lights-Out 100 remote graphical console in Red Hat Enterprise Linux 5.

Known Problems -

It is possible for the user to disable all user accounts from the user administration screen.

Flashing to version 3.05 or later from version 3.04 or earlier may cause the system event log to be cleared.

增强功能

Added support for the SmartStart Scripting Toolkit LO100cfg utility to replicate Lights-Out 100 user settings.

Added support for widescreen graphics resolutions using Lights-Out 100 remote graphical consoles.

Added the ProLiant Onboard Administrator banner to web interface.

Added the ability to correctly decode memory events for display in the System Event Log (SEL) web page.

Increased the performance of KVMS.

Increased the performance of console redirection.

Added the serial number and demo key "# of days remaining" to the web page license screen.

Added DVD-ISO image support.

Added the SSL/SSH key/certificate download web page.

Added the firmware download web UI page.

Added DNS naming feature to the web UI and CLP.

Added an option to the web UI to disable the security timeout feature for Telnet and SSH.

Added a user prompt to show when the system has switched from console redirection to CLP.

Added remote storage support for USB keys up to 2GB.

版本: 3.06 (A) (1 Dec 2008)

修复

HP ProLiant DL160 G5 Lights-Out 100 Ver. 3.06

Resolved an issue with the use of the shared NIC that could cause instability with the LO100 firmware and cause it to become unresponsive.

Known Problems -

* It is possible for the user to disable all user accounts from the user administration screen.

* Physically unplugging a virtual media device without un-mounting it first can cause LO100 to reset (fans will go to high speed and cpu temperatures will no longer be reported until the server is restarted).

* Flashing to version 3.05 or later from version 3.04 or earlier may cause the system event log to be cleared.

增强功能

HP ProLiant DL160 G5 Lights-Out 100 Ver. 3.06

None.

版本: 3.05 (A) (5 Aug 2008)

修复

Upgrade Requirement:

Recommended - HPE recommends users update to this version at their earliest convenience.

Resolved an issue which caused extra carriage returns to be sent or difficulties logging into Linux sessions using Telnet or SSH from a Linux client. Note that cross-OS control (Linux client/Windows host or Windows client/Linux host) will still require user configuration.

Resolved an issue with transferring chassis power control commands over the shared NIC.

Resolved a formatting issue displaying the sensors in the LO100 web user interface for Firefox and Netscape web browsers.

Resolved a baud rate sync issue could cause characters to be dropped during console redirection.

Resolved an issue transmitting null characters that could interfere with console redirection logins with Linux.

Resolved an issue with DHCP that could cause instability with the LO100 firmware and cause it to become unresponsive.

Resolved an issue uploading new firmware with the CLP Load command through shared system NICs.

Resolved compatibility issues with certain KVM IP switches, which resulted in keyboard and mouse strokes not being passed through the switches.

Known Problems -

* It is possible for the user to disable all user accounts from the user administration screen.

增强功能

Added the capability for Telnet and serial console timeout (including disabling) to be configured by the user.

Added soft power down capabilities from the IPMI command or through the web user interface.

PEF (Platform Event Filtering) actions are now enabled by default.

Added DVD-ROM virtual storage to the available virtual media choices.

版本: 3.01 (A) (4 Apr 2008)

修复

Upgrade Requirement:

Recommended - HPE recommends users update to this version at their earliest convenience.

ProLiant DL165 G5 Lights-Out 100 Ver. 3.01:

* Initial release.

ProLiant DL160 G5/DL185 G5 Lights-Out 100 Ver. 3.01:

* Resolved an issue with version 3.00 firmware that could cause FRU corruption when the firmware was updated.

Known Problems -

* It is possible for the user to disable all user accounts from the user administration screen.

* Some IPMI chassis power control commands sent from 3rd party IPMI tools through the shared NIC only will not function.

增强功能

ProLiant DL165 G5 Lights-Out 100 Ver. 3.01:

* Initial release.

ProLiant DL160 G5/DL185 G5 Lights-Out 100 Ver. 3.01:

* None.