

HPE Gen10 Plus/Gen10 服务器

iLO 5 中升级 HBA 卡固件

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一. 适用范围与注意事项

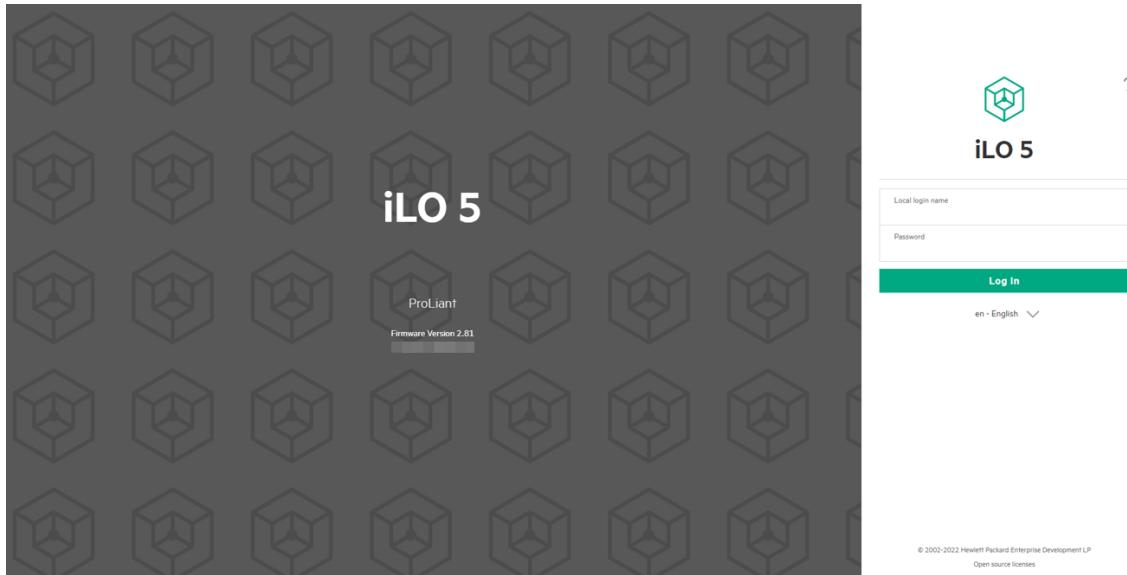
- 本文档旨在说明 HPE Gen10 Plus/Gen10 系列服务器通过 iLO 5 界面升级 HBA 卡固件方法。
- 实际情况是否适用本文档, 请通过下面导航链接进行确认:
<https://zhiliao.h3c.com/Theme/details/218273>
- 提示:
 - 本文档中的信息 (包括产品, 软件版本和设置参数) 仅作参考示例, 具体操作与目标需求设置请以实际为准。
 - 固件更新有风险, 请注意提前备份数据。
 - 本文档不定期更新维护, 请以发布的最新版本为准。

二. 升级准备

1. 固件获取
具体方法请参考: <https://zhiliao.h3c.com/Theme/details/216386>
2. 连接 iLO
具体方法请参考: <https://zhiliao.h3c.com/Theme/details/216337>

三. 升级步骤

1. 访问 iLO 5
浏览器输入 iLO 5 IP 地址访问 iLO, 输入用户名和密码登录。



2. 通过 iLO 检查固件更新前的版本

通过 iLO 5 页面 Firmware & OS Software - Installed Firmware 查看对应型号 HBA 卡的固件版本。

Firmware Name	Firmware Version	Location
900GB 12G SAS HDD	HPD9	Slot=0:Port=1:Bay=1
900GB 12G SAS HDD	HPD9	Slot=0:Port=1:Bay=2
900GB 12G SAS HDD	HPD9	Slot=0:Port=1:Bay=3
900GB 12G SAS HDD	HPD9	Slot=0:Port=1:Bay=4
Embedded Video Controller	2.5	Embedded Device
HPE Ethernet 1Gb 4-port 331i Adapter - NIC	20.24.41	Embedded LOM
HPE Smart Array P408i-a SR Gen10	5.01	Embedded RAID
HPE Smart Storage Feature Pack 1 Firmware	7.1	Embedded Device
HPE SN1200E 16Gb 2p FC HBA	12.0.528.21	PCI-E Slot 1
iLO 5	2.91 May 18 2023	System Board
Innovation Engine iLO Firmware	0.2.3.0	System Board
Intelligent Platform Abstraction Data	16.5.0 Build 24	System Board
Intelligent Provisioning	3.81.2	System Board
Language Pack	2.72.05	Simplified Chinese Language Pack
Power Management Controller Firmware	1.0.8	System Board
Power Management Controller FW Bootloader	1.1	System Board
Power Supply Firmware	1.00	Bay 2
Redundant System ROM	U32 v2.78 (03/16/2023)	System Board
Server Platform Services (SPS) Descriptor	1.2.0	System Board
Server Platform Services (SPS) Firmware	4.1.4.901	System Board
System Programmable Logic Device	0x2E	System Board
System ROM	U32 v2.80 (04/20/2023)	System Board

注：其他固件信息也可在此页面查询。

3. 固件更新

3.1 下载固件

通过 [HPE 官网](#) 搜索对应型号 HBA 卡的固件，可选择任意 Windows 系统，下载 exe 固件文件和 compsig 签名文件。

The screenshot shows the HPE Support Center interface for finding a version. It displays a list of products (All), environments (All), and versions (All). Two specific files are selected for download:

- cp054529.compsig (2.1 KB)**: SHA256 校验和: d0c29c83191d5d3cc4641a50384c0afafca34254c96383434a0f1a66fb27a
- cp054529.exe (4.1 MB)**: SHA256 校验和: 8c066f9adfd0fb27b234d0d331bccee7aa6fcfa450a3950e28b113f163e5412fa

At the bottom, there is a table titled "Important:" showing the following information:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SNL200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.0.499.29	14.0.499.29	14.0.499.2	14.0.499.0

Buttons at the bottom right include "取消" (Cancel) and "下载" (Download).

Below the download dialog, a file list shows the downloaded files:

名称	修改日期	类型	大小
cp054529.exe	2023/6/13 9:22	应用程序	4,151 KB
cp054529.compsig	2023/6/13 9:22	COMPSIG 文件	3 KB

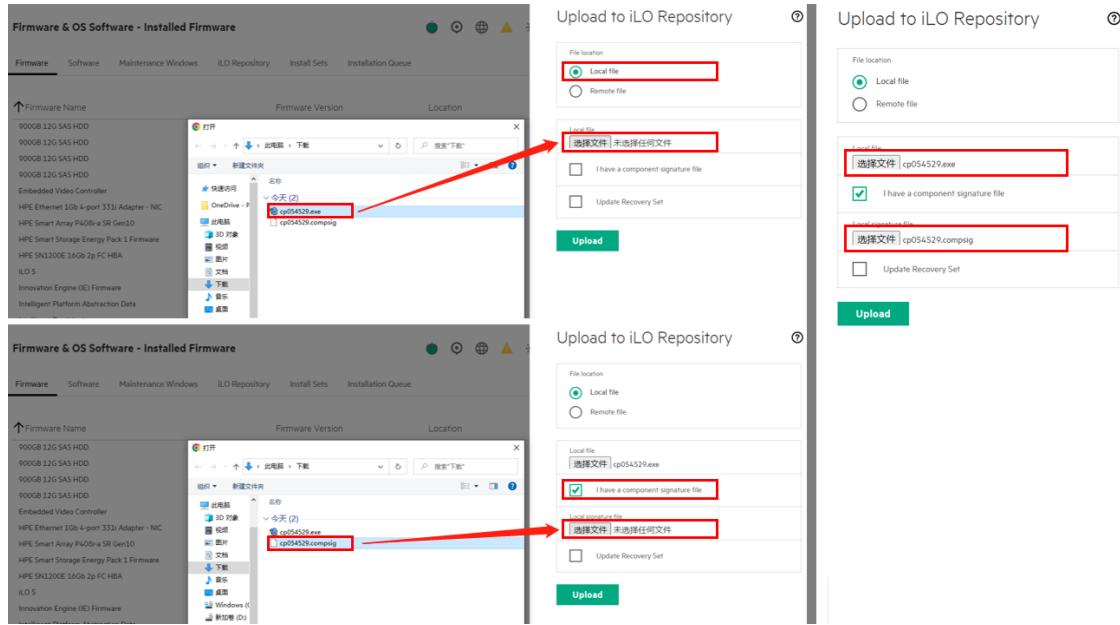
3.2 将固件挂载到 iLO 并开始更新

1) 通过浏览器登录 iLO 5, 在 Firmware & OS Software 页面选择 Upload to iLO Repository.

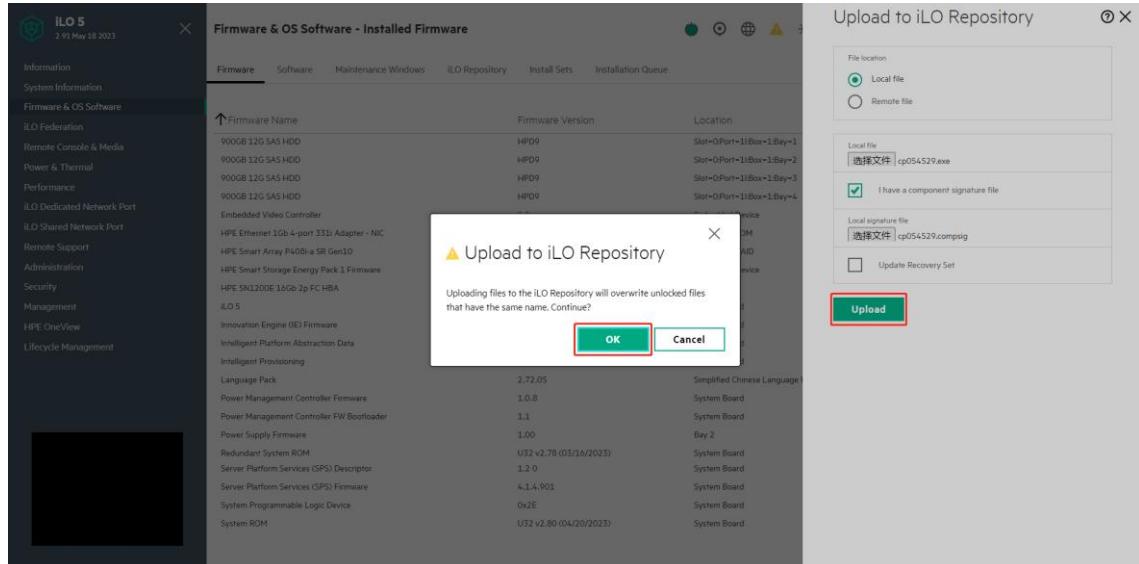
The screenshot shows the iLO 5 management interface. On the left, the navigation menu includes System Information, Firmware & OS Software (which is highlighted with a red box), iLO Federation, Remote Console & Media, Power & Thermal, Performance, iLO Dedicated Network Port, iLO Shared Network Port, Remote Support, Administration, Security, Management, HPE OneView, and Lifecycle Management.

The main content area is titled "Firmware & OS Software - Installed Firmware". It lists various installed firmwares with columns for Firmware Name, Firmware Version, and Location. A red box highlights the "Upload to iLO Repository" button in the top right corner of the interface.

2) 选择 Local file, 将已保存至本地的固件文件挂载到 Local file 选择文件处, 将 compsig 签名文件挂载到 Local signature file 选择文件处。

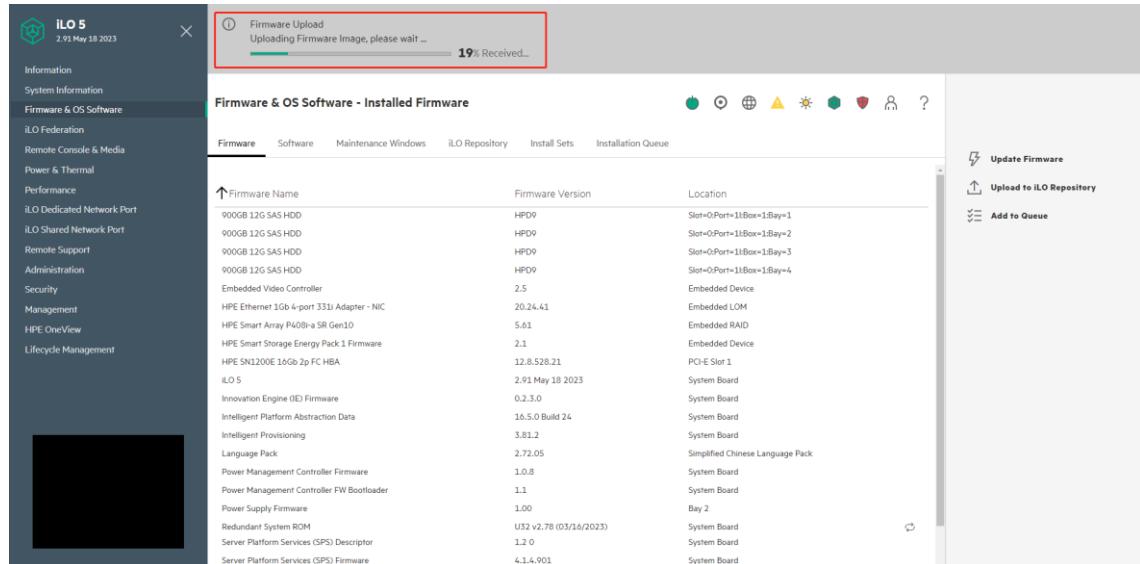


3) 点击 Upload, 阅读上传提示, 确认无误后点击 OK 即开始上载与更新固件。

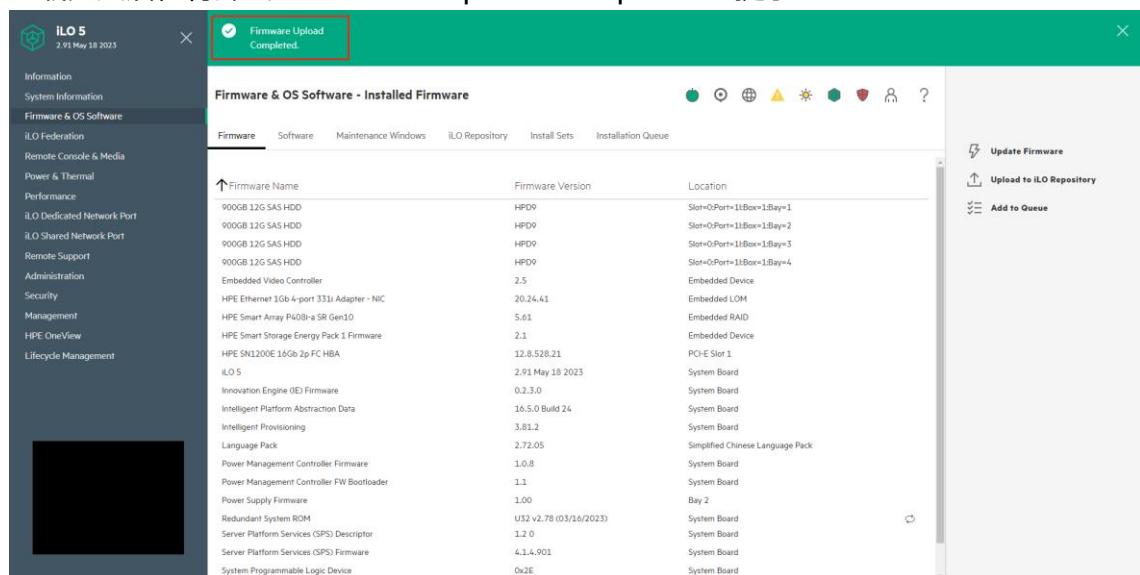


注：上图提示内容为“将文件上载到 iLO 存储库将覆盖具有相同名称的未锁定文件。是否继续？”。

4) 正在上载固件。



5) 上载完成后，将弹出“Firmware Upload Completed”提示。



6) 在 Firmware & OS Software 页面选择 iLO Repository，将 iLO 存储库中的 HBA 卡安装组件添加到安装队列中，点击 Yes, add to the end of the queue 确认加入到安装队列。

The screenshots illustrate the steps to add firmware to the installation queue:

- Screenshot 1:** Shows the 'iLO Repository' tab selected. A red box highlights the 'iLO Repository' tab in the navigation bar.
- Screenshot 2:** Shows the 'Install Component' dialog box. A red box highlights the 'Yes, add to the end of the queue' button.
- Screenshot 3:** Shows a success message: 'The task has been added to the installation queue. (HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapter... 2023.03.01)'.

Firmware & OS Software - iLO Repository

Summary

Name	Version
FW for HPE ProLiant DL360 Gen10 (U32) Servers	2.68_07-14-2022
HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapter...	2023.03.01
HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapter...	2022.09.01
iLO 5	1.43
Innovation Engine (IE) Universal Image	0.2.1.2
Server Platform Services (SPS) Firmware	4.1.4.296
System Programmable Logic Device	2E

Contents

Install Component

Are you sure you want to install this component?
HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapter... 2023.03.01

Set schedule window

This task will be added to the end of the installation queue (0 items).

Yes, add to the end of the queue

注：加入安装队列不会直接对固件进行更新，加入成功后将提示 “The task has been added”

to the installation queue."。

- 7) 在 Firmware & OS Software 页面选择 **Installation Queue**, 可查看到安装任务, 状态为 Pending。

The screenshot shows the iLO 5 interface. On the left, the navigation menu includes: Information, System Information, Firmware & OS Software (selected), iLO Federation, Remote Console & Media, Power & Thermal, Performance, iLO Dedicated Network Port, iLO Shared Network Port, Remote Support, Administration, Security, Management, HPE OneView, and Lifecycle Management. The main content area displays the 'Firmware & OS Software - Installation Queue'. A task is listed: 'HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapter...' with a status of 'Pending'. The 'Starts' column shows 'Immediately after the associated updater checks' and the 'Expires' column shows 'Never'. A red box highlights the 'Pending' status. On the right, there are three buttons: 'Update Firmware', 'Upload to iLO Repository', and 'Add to Queue'.

- 8) 通过 iLO 5 页面 Power 开关选择 Reset, 或长按服务器实体电源键, 均可实现重启。安装任务将在服务器重启后开始执行。

This screenshot is similar to the previous one, showing the 'Firmware & OS Software - Installation Queue' page. The task status has changed to 'In Progress'. In the 'Power' column, the 'Reset' option is highlighted with a red box. The other power options are 'Momentary Press', 'Press and Hold', and 'Cold Boot'.

- 9) 正在更新固件。

The screenshot shows the 'Firmware & OS Software - Installation Queue' page with the task status at 'In Progress'. Below the table, a large window titled 'HPE ProLiant' displays the system configuration and the progress of the firmware update. The log window shows the following text:

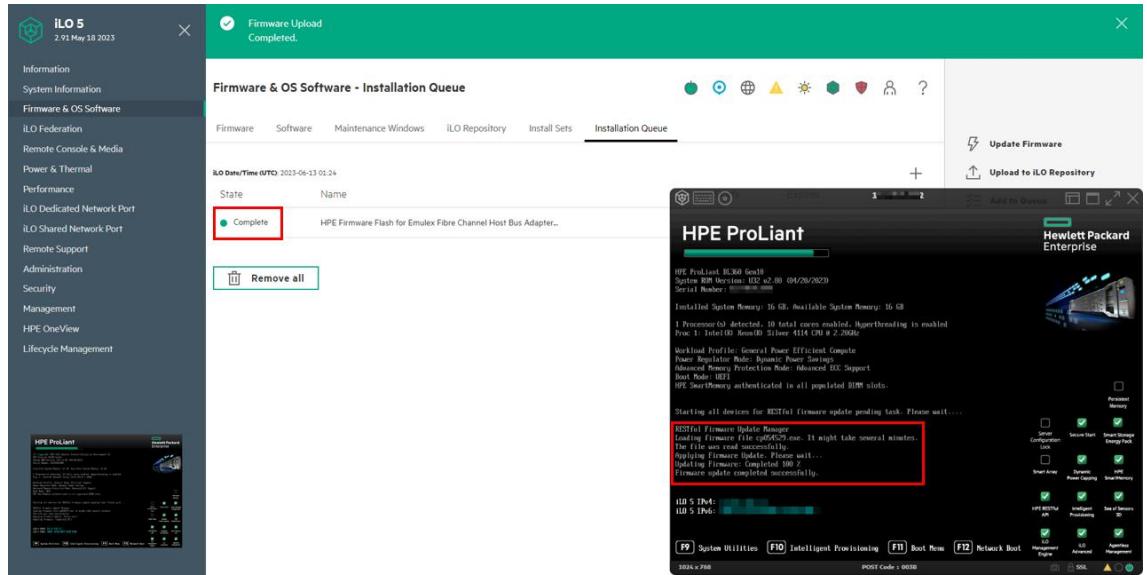
```

HPE ProLiant
Copyright © 2023 Hewlett Packard Enterprise Development LP
HPE ProLiant DL360 Gen10
System ROM Version: U2 v2.00 04/20/2023
Serial Number: 1234567890
Installed System Memory: 16 GB, Available System Memory: 16 GB
3 Processors detected, 10 total cores enabled, HyperThreading is enabled
Proc 1: Intel® Xeon® Gold 4114 CPU @ 2.20GHz
Workload Profile: General Power Efficient Compute
Power Source: AC Power
Advanced Memory Protection Mode: Advanced ECC Support
Boot Mode: UEFI
UEFI Secure Boot authenticated in all populated DRAM slots.

Starting all devices for KESTrel firmware update pending task. Please wait....
[REDACTED] Firmware Update Manager
Loading firmware file c:\sys\fw\one. It might take several minutes.
The file was read successfully.
Update progress: 100% (23 / 23). Please wait...
Updating Firmware: Completed 23 / 23

```

- 10) 更新完成。



4. 检查固件更新后的版本

与本文<[2. 检查固件更新前的版本](#)>方法一致，完成更新后可到 iLO 5 相应页面查看更新后的固件版本，以验证更新是否成功。