

HPE Gen10 Plus/Gen10 服务器 iLO 5 中升级网卡固件

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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 界面升级网卡固件方法。
- 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>

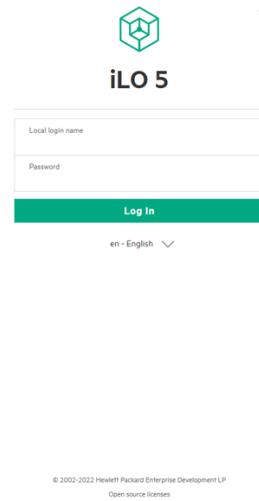
2. 连接 iLO

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 查看对应型号网卡的固件版本。

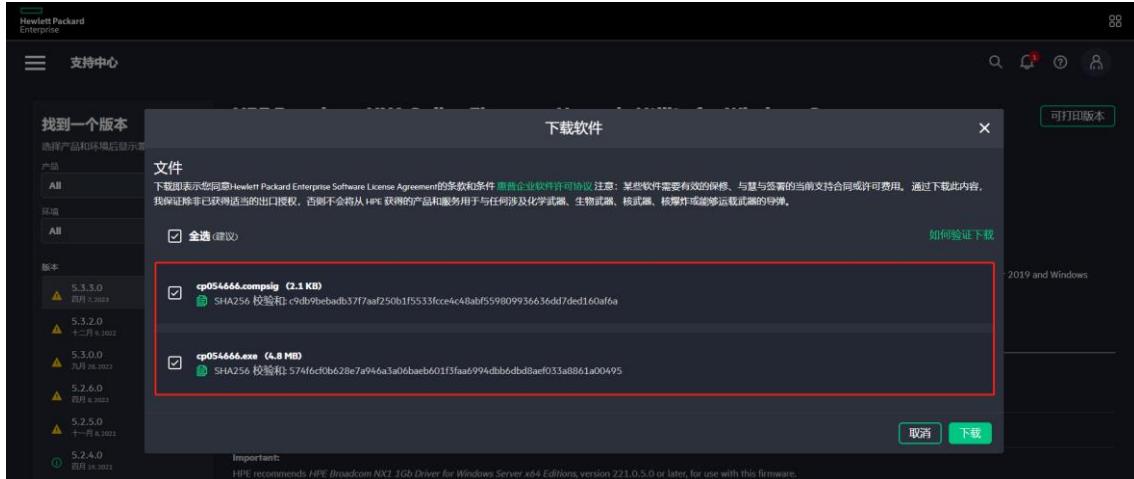
Firmware Name	Firmware Version	Location
900GB 12G SAS HDO	HPD9	Slot=0Port=1lBox=1Bay=3
900GB 12G SAS HDO	HPD9	Slot=0Port=1lBox=1Bay=2
900GB 12G SAS HDO	HPD9	Slot=0Port=1lBox=1Bay=3
900GB 12G SAS HDO	HPD9	Slot=0Port=1lBox=1Bay=4
Embedded Video Controller	2.5	Embedded Device
HPE Ethernet 1Gb 4-port 331i Adapter - NIC	20.24.41	Embedded LOM
HPE Smart Array P408i-a SR Gen10U	5.0.1	Embedded RAID
HPE Smart Storage Energy Pack 1 Firmware	2.1	PCI-E Slot 1
HPE SN1000Q 32Gb 2p FC HBA	02.00.01	System Board
iLO 5	2.81 Mar 07 2023	System Board
Innovation Engine (IE) 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 v2.76 (02/09/2023)	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 v2.78 (03/16/2023)	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](#) 搜索对应型号网卡的固件，可选择任意 Windows 系统，下载 exe 固件文件和 compsig 签名文件。



↓ > 此电脑 > 下载

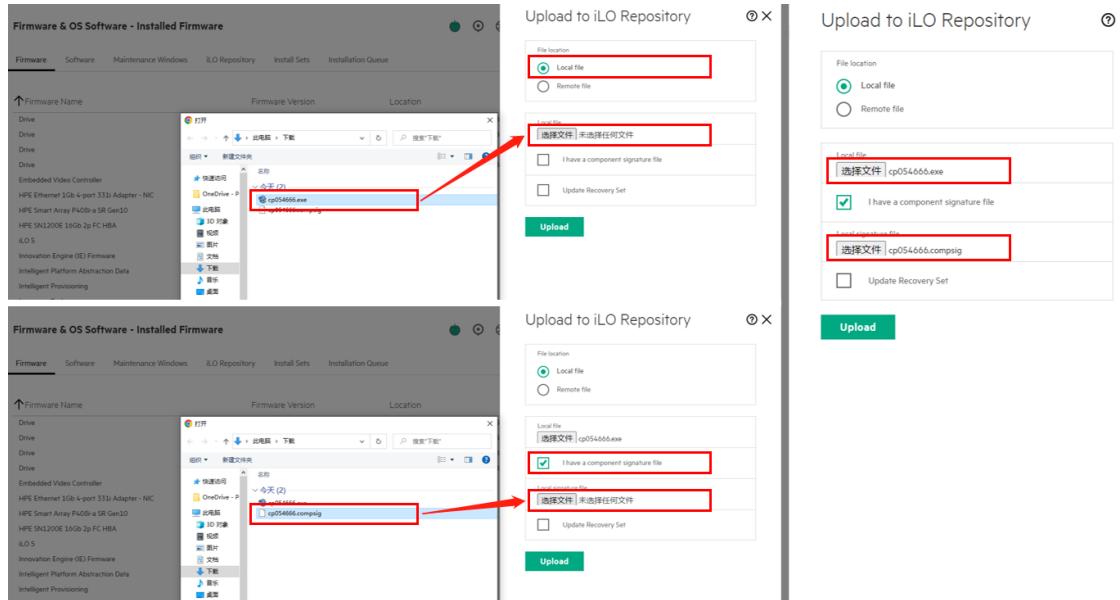
名称	修改日期	类型	大小
cp054666.exe	2023/6/15 18:29	应用程序	4,946 KB
cp054666.compsig	2023/6/15 18:29	COMPSIG 文件	3 KB

3.2 将固件挂载到 iLO 并开始更新

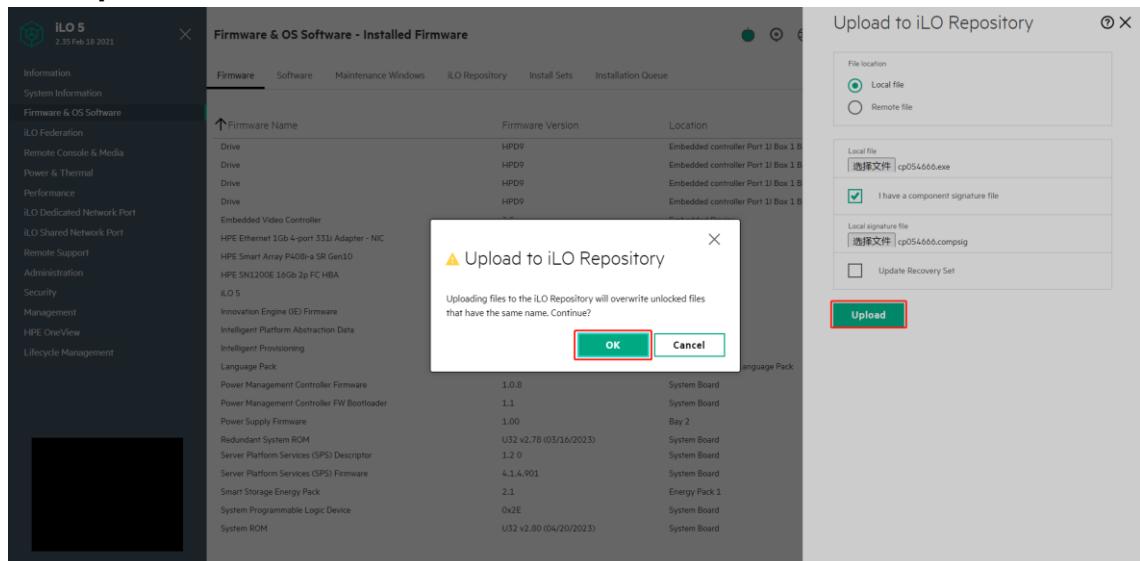
- 1) 通过浏览器登录 iLO 5, 在 Firmware & OS Software 页面选择 Upload to iLO Repository。

The screenshot shows the 'Firmware & OS Software - Installed Firmware' page in the iLO 5 interface. On the left, a sidebar menu has 'Firmware & OS Software' selected. On the right, a table lists various system components with their firmware versions and locations. At the top right, there are three buttons: 'Update Firmware' (with a circular arrow icon), 'Upload to iLO Repository' (with an upward arrow icon), and 'Add to Queue' (with a plus sign icon). The 'Upload to iLO Repository' button is highlighted with a red box.

- 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。

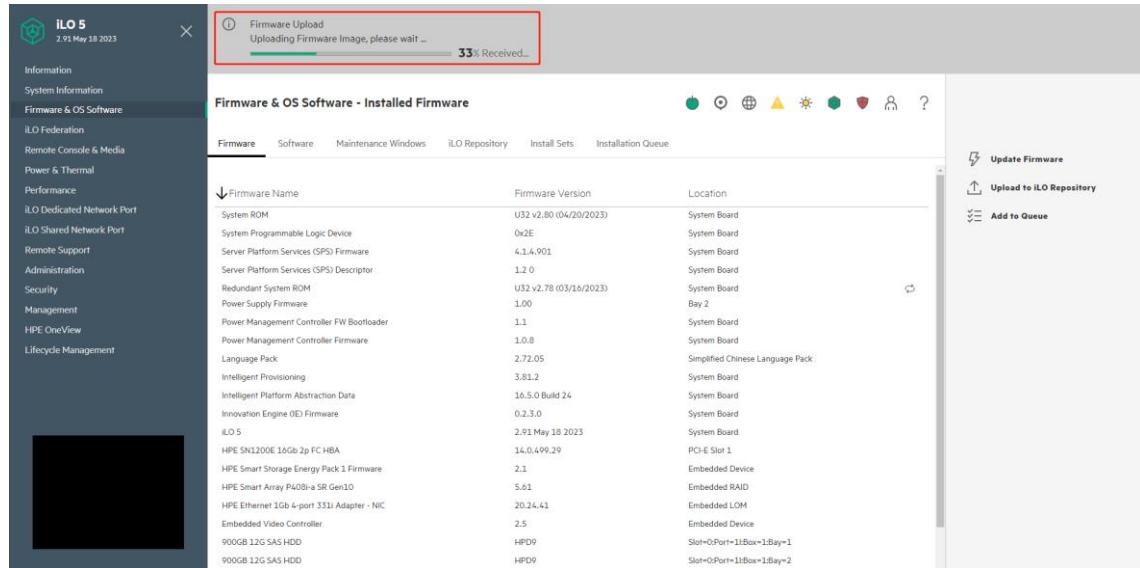


3) 点击 Upload, 阅读上传提示, 确认无误后点击 OK 即开始上载与更新固件。

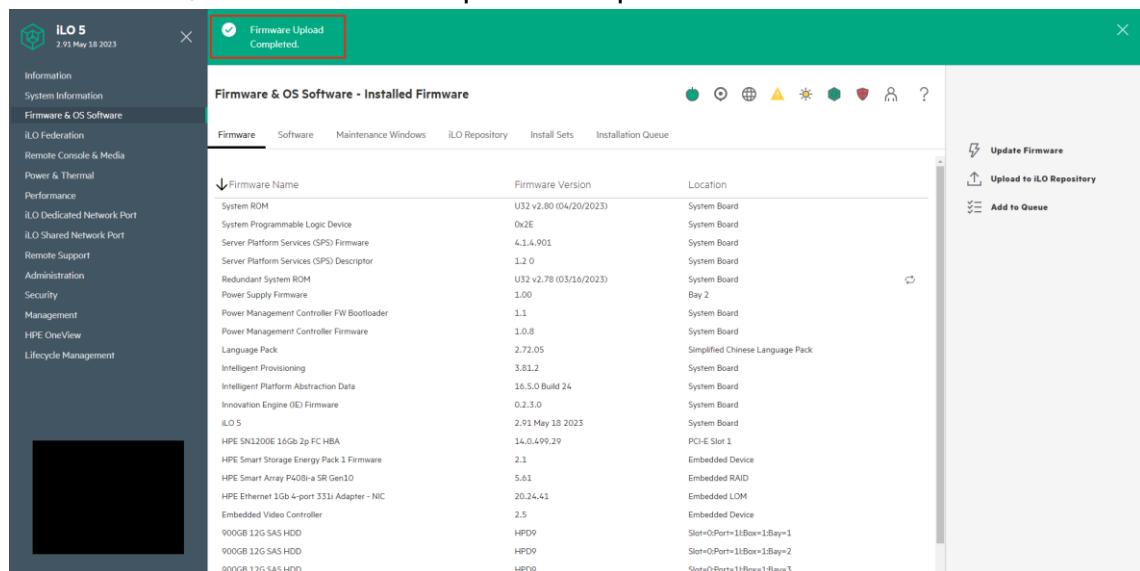


注：上图提示内容为“将文件上载到 iLO 存储库将覆盖具有相同名称的未锁定文件。是否继续？”。

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 存储库中的网卡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 image consists of three vertically stacked screenshots of the iLO Repository interface. Each screenshot shows a summary table of firmware components and a modal dialog for adding a specific component to the queue.

Screenshot 1: Shows the 'Firmware & OS Software - iLO Repository' screen with the 'iLO Repository' tab selected. A modal dialog at the top right indicates 'Firmware Upload Completed.' A red box highlights the 'iLO Repository' tab in the navigation bar. The 'Install Queue' tab is also visible.

Screenshot 2: Shows the same interface after a component has been added to the queue. A red box highlights the 'Add to Queue' button in the toolbar. A modal dialog at the bottom right says 'The task has been added to the installation queue. (HPE Broadcom NX1 FW for Windows Server x64 Editions 5.3.3.0)'.

Screenshot 3: Shows the final state where the component is successfully queued. A red box highlights the 'Yes, add to the end of the queue' button in the 'Install Component' dialog. The same success message is displayed in the modal dialog.

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 'Firmware & OS Software - Installation Queue' section of the iLO 5 interface. A task is listed with the following details:

State	Name	Starts	Expires
Pending	HPE Broadcom NX1 FW for Windows Server x64 Editions 5.3.3.0	Immediately after the associated updater checks	Never

- 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。

The screenshot shows the same 'Firmware & OS Software - Installation Queue' section. The 'Power' menu is open, showing options like 'Momentary Press', 'Press and Hold', 'Cold Boot', and 'Reset'. The 'Reset' option is highlighted with a red box.

- 9) 正在更新固件。

The screenshot shows the 'Firmware & OS Software - Installation Queue' section. A task is listed with the status 'In Progress'. Below the table, a detailed log window displays the progress of the firmware update:

```

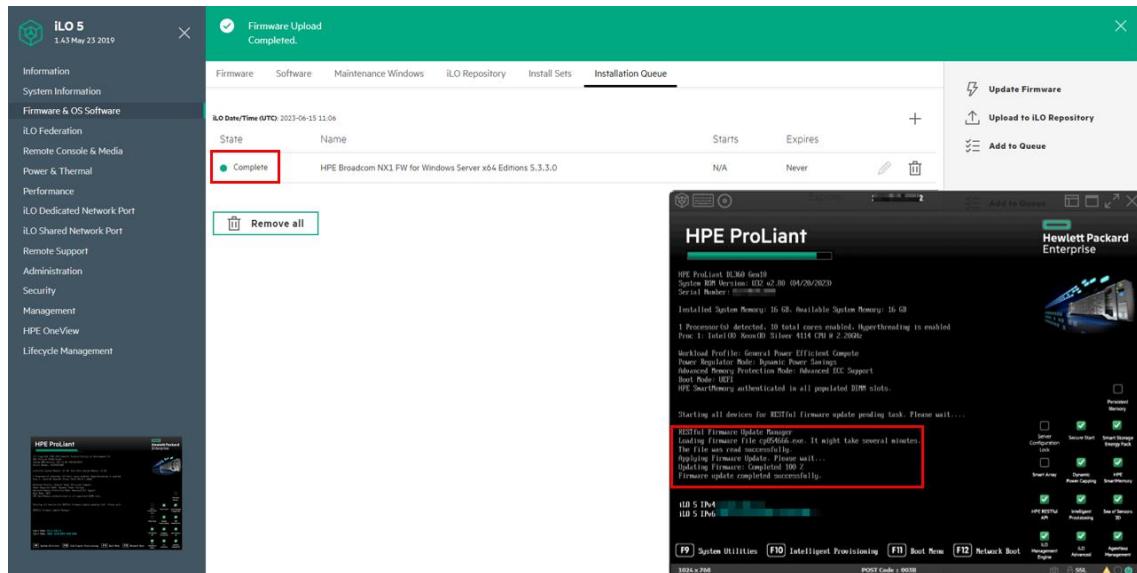
HPE ProLiant
Starting all devices for RESTful firmware update pending task. Please wait...
RESTful Firmware Update Manager
Last file read successfully. It might take several minutes.
The file was read successfully.
Applying Firmware Update. Please wait...
HPE SmartMemory authenticated in all populated DRMM slots.

Starting all devices for RESTful firmware update pending task. Please wait...
RESTful Firmware Update Manager
Last file read successfully. It might take several minutes.
The file was read successfully.
Applying Firmware Update. Please wait...
HPE SmartMemory authenticated in all populated DRMM slots.

ILO 5 IPv4
ILO 5 Env

```

- 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。