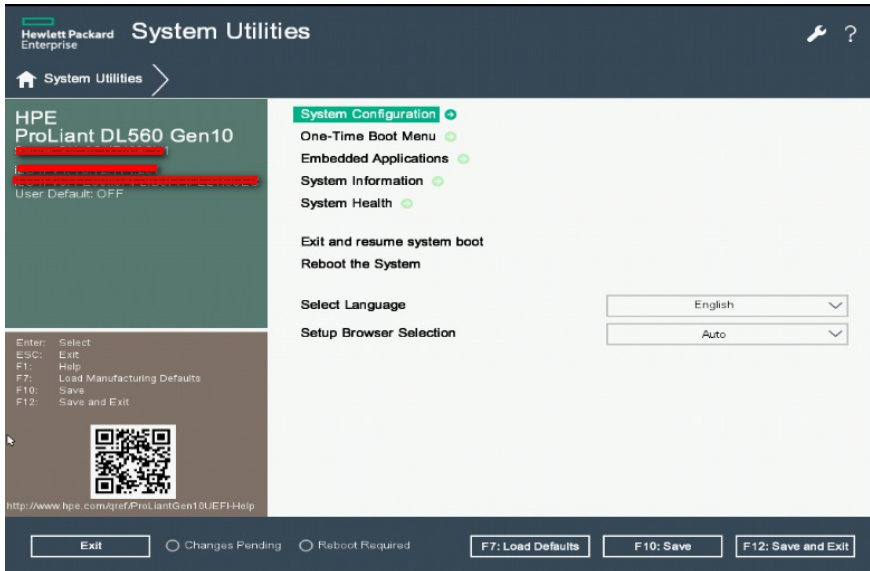


知 HPE Proliant Gen9和Gen10系列服务器通过UEFI Shell升级BIOS固件

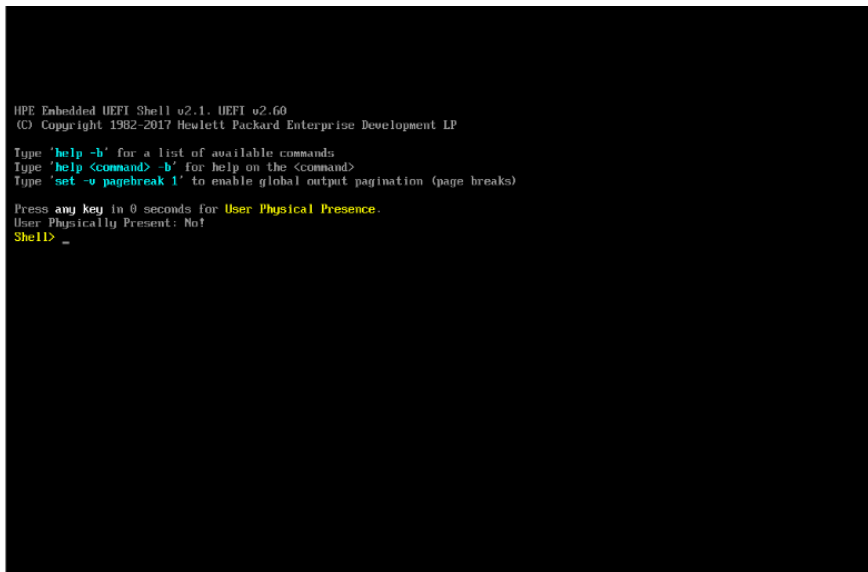
固件升级 EFI Firmware 吕飞 2018-03-14 发表

UEFI Shell升级BIOS固件的方法。

1. 下载最新的BIOS文件，解压后放入U盘，并把U盘插到服务器上。
2. 重启服务器按F9进入BIOS，选择Embedded Application，进入后选择Embedded UEFI Shell，按回车键继续。



3. 进入UEFI Shell界面。



4. 输入map命令，获取映射路径。

```

Type 'help <command> -b' for help on the <command>
Type 'set -o pagebreak 1' to enable global output pagination (page breaks)

Press any key in 0 seconds for User Physical Presence.
User PhysicalIn Present: No!
Shell> map
Mapping table
FS0: Alias(s) :HD2A00:BLK3:
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)/HD(1,GPT,1FC42C5A-2AE9-459F-871C-4E0B
F6ED0A01,0x800,0x2000)
FS0: Alias(s) :HD1C0:BLK1:
PciRoot(0x0)/Pci(0x1C,0x4)/Pci(0x0,0x4)/USB(0x2,0x0)
BLK0: Alias(s) :
PciRoot(0x0)/Pci(0x14,0x0)/USB(0x13,0x0)
BLK7: Alias(s) :
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x1,0x4000)
BLK6: Alias(s) :
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x4000)
BLK0: Alias(s) :
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x4,0x4000)
BLK9: Alias(s) :
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x5,0x4000)
BLK2: Alias(s) :
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)
BLK1: Alias(s) :
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)/HD(2,GPT,24ED4655-F235-478C-BF89-F105
C38E4447,0x32000,0x40000)
BLK5: Alias(s) :
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/HD(3,GPT,7CF87B95-69C0-48F6-9CFB-488B
1144101D,0x72000,0x60C3760F)
Shell> _

```

5. U盘路径一般是fs0，输入fs0：进入U盘目录，并输入ls可以查看U盘里的文件。

```

Shell> fs0:
FS0:\> ls
Directory of: FS0:\
02/08/2018 12:36      109,593  cp033463.xml
06/23/2016 13:16      321,872  cpqsetup.exe
02/08/2018 12:36         1,307  payload.json
07/07/2017 10:07       430,432  SecureFlash64.dll
02/06/2018 14:50     33,563,268  U34_1.36_02_14_2018.signed.flash
          5 File(s) 34,426,472 bytes
          0 Dir(s)
FS0:\> _

```

6. 输入fwupdate -d BIOS -f <BIOS文件名>，按回车继续。

```

FS0:\> ls
Directory of: FS0:\
02/08/2018 12:36      109,593  cp033463.xml
06/23/2016 13:16      321,872  cpqsetup.exe
02/08/2018 12:36         1,307  payload.json
07/07/2017 10:07       430,432  SecureFlash64.dll
02/06/2018 14:50     33,563,268  U34_1.36_02_14_2018.signed.flash
          5 File(s) 34,426,472 bytes
          0 Dir(s)
FS0:\> fwupdate -d BIOS -f U34_1.36_02_14_2018.signed.flash_

```

7. 按完回车后系统提示在加载BIOS文件。

```

FS0:\> ls
Directory of: FS0:\
02/08/2018 12:36      109,593  cp033463.xml
06/23/2016 13:16      321,872  cpqsetup.exe
02/08/2018 12:36         1,307  payload.json
07/07/2017 10:07       430,432  SecureFlash64.dll
02/06/2018 14:50     33,563,268  U34_1.36_02_14_2018.signed.flash
          5 File(s) 34,426,472 bytes
          0 Dir(s)
FS0:\> fwupdate -d BIOS -f U34_1.36_02_14_2018.signed.flash
Loading firmware file 'U34_1.36_02_14_2018.signed.flash'. It might take several minutes.
_

```

8. 系统提示最新的版本和之前的版本，是否需要继续更新，此处输入y;继续。

```

FS0:\> ls
Directory of: FS0:\
02/08/2018 12:36      109,593  cp033463.xml
06/23/2016 13:16      321,872  cpqsetup.exe
02/08/2018 12:36         1,307  payload.json
07/07/2017 10:07       430,432  SecureFlash64.dll
02/06/2018 14:50     33,563,268  U34_1.36_02_14_2018.signed.flash
          5 File(s) 34,426,472 bytes
          0 Dir(s)
FS0:\> fwupdate -d BIOS -f U34_1.36_02_14_2018.signed.flash
Loading firmware file 'U34_1.36_02_14_2018.signed.flash'. It might take several minutes.
Current Firmware Version is U34 v1.26 (11/14/2017).
Continue with firmware update? (y/n): y
Updating Firmware: Completed 5 %

```

9. 更新完成后需重启生效。

```

FS0:\> fwupdate -d BIOS -f U34_1.36_02_14_2018.signed.flash
Loading firmware file 'U34_1.36_02_14_2018.signed.flash'. It might take several minutes.
Current Firmware Version is U34 v1.26 (11/14/2017).
Continue with firmware update? (y/n): y
Updating Firmware: Completed 100 %
Firmware update completed successfully.
Reboot the system for new firmware to take effect.
FS0:\>

```

注意：1. 升级之前请做好数据备份。

2. 升级后需要重启后才能生效。

