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。

Hewlett Packard System Utilities			? 🖌
\Uparrow System Utilities $>$			
HPE ProLiant DL560 Gen10	System Configuration One-Time Boot Menu Embedded Applications System Information System Health		
	Exit and resume system boot Reboot the System		
	Select Language	English	\sim
Enter: Select ESC: Ext ESC: Ext ESC: Loss Fr: Loss Fr: Loss Fr: Loss Fr: Severand Ext Fr: Severand Ext Fr: Severand Ext Fr: Loss Fr: Loss	Setup Browser Selection	Auto	~
Exit O Changes Pendin	ig O Reboot Required F7: Load Defaults	F10: Save F12: S	ave and Exit
3.进入UEFI Shell界面。			

HPE Embedded UEPT Shell v2.1. UEFT v2.60 (C) Copyright 1982-2017 Hewlett Packard Enterprise Development LP
Type 'help -b' for a list of available commands Type 'help <command/> -b' for help on the <command/> Type 'set -v pagebreak 1' to enable global output pagination (page breaks)
Press any key in 0 seconds for User Physical Presence. User Physically Present: No! Shell> _

4.输入map命令,获取映射路径。

Tune 'hele commands ab' for hele on the commands
Type mere variable of the mere of the mere of the community of the community of the community of the second of the
Press and key in 0 seconds for User Physical Presence.
User Physically Present: Not
Shell> nap
Mapping table
F51: HIIAS(S):HD2a00:;DLK3:
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)/HD(1,GPT,1FC42C5A-2AE9-459F-871C-4E0B
F66EDAAB,0x800,0x32000)
FS0: Alias(s):HD1c0::BLK1:
Pc i Root (0x0) /Pc i (0x1C, 0x4) /Pc i (0x0, 0x4) /USB (0x2, 0x0)
BLK0: Alias(s):
Pc i Root (0x0) /Pc i (0x14,0x0) /USB (0x13,0x0)
BLK7: Alias(s):
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x1,0x4000)
BLMG: Alias(s):
PciRoot (0x3) /Pci(0x0,0x0) /Pci(0x0,0x0) /Scsi(0x0,0x4000)
BLKD: Alias(s):
PciRoot(0x3)/Pci(0x0,0x0)/Pci(0x0,0x0)/Scsi(0x4,0x4000)
Pc1Root(0x3)7Pc1(0x0,0x0)7Pc1(0x0,0x0)7Scs1(0x5,0x4000)
BLK2: Allas(s):
Prc1Root.(9x3)/Prc1(0x0,0x0)/Prc1(0x0,0x0)/Scs1(0x0,0x0)
C20E4447 0.22000 0.40000
U3HE444(7,883,2300,8840000)
DEAD: HILLES (5): D-10
CEINODT (0X3)/FCI (0X0,0X0)/FCI (0X0,0X0)/5CSI (0X0,0X0)/HD (3,0FI,7CFH 7855-55C8-48F6-5CFB-48B6
Skall
316117

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

Shell> fs0:			
FS0:\> 1s			
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 butes		
0 Dir(s)			
FS0:\>			
—			

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

FS0:\> 1s		
Directory of: FSO:\		
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)		
FSO:\> fwupdate -d BI	OS -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。

r50:\> 15				
Directory of	f: 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:\> fwupe	date -d B	IOS -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。

Directory of: FSO:\				
02/08/2018 12:36 109,593 cp033463.xml				
06/23/2016 13:16 321,872 cpgsetup.exe				
02/08/2018 12:36 1,307 payload.json				
07/07/2017 10:07 430,432 SecureFlash64.d11				
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 Z				

9.更新完成后需重启生效。

FS0:>> fundate -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 Uersion is U34 v1.26 (11/14/2017). Continue with firmware update? (y/m):y Updating Firmware: Completed 100 % Firmware update completed successfully. Reboot the system for new firmware to take effect.

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。