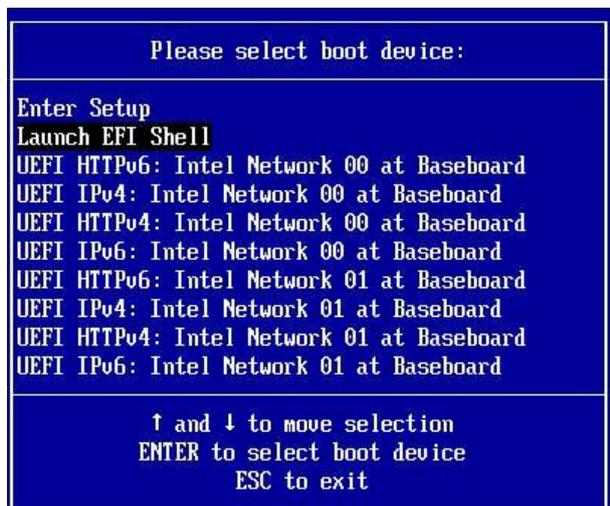


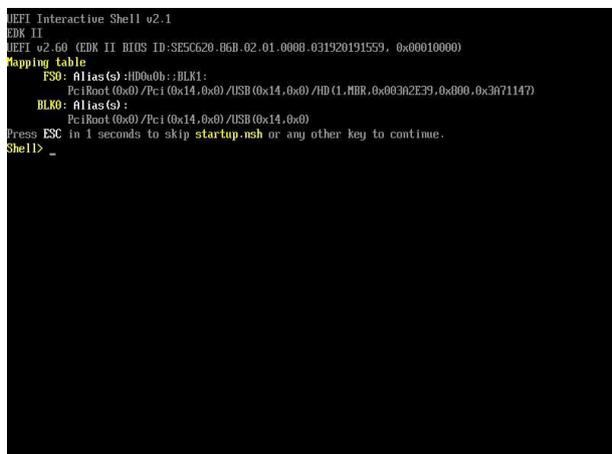
# BIOS 更新教程

请根据以下步骤更新固件：

- 1 下载最新版本的 BIOS 固件，可以登入 [downloadcenter.intel.com](http://downloadcenter.intel.com) 搜索对应产品名称下载。
- 2 准备一个 FAT32 格式的 U 盘。
- 3 将下载完成固件解压，并将其中所有的文件粘贴至 U 盘根目录。
- 4 服务器运行后请按 F6 进入启动选项。如下图：



- 5 进入启动选项后，将 U 盘插入至服务器的 USB 接口，点击“Internal EFI Shell”，按任意按键开始更新。如果在步骤 4 中没有将文件复制到根目录，请手动进入固件的文件夹选择“Startup.nsh”如下图：



- 输入 FS0: \选择 U 盘后，输入 CD 进入固件的文件夹，如下图：

```

PciRoot(0x0)/Pci(0x14,0x0)/USB(0x14,0x0)
Press ESC in 4 seconds to skip startup.nsh or any other key to continue.
Shell> fs0:
FS0:\> ls
Directory of: FS0:\
09/23/2019 19:38           14 CentOS_BuildTag
09/23/2019 19:38 <DIR>      16,384
09/23/2019 19:38           227 EULA
09/23/2019 19:38          18,009 GPL
09/23/2019 19:38 <DIR>      16,384 images
09/23/2019 19:38 <DIR>      16,384 installiso
09/23/2019 19:38 <DIR>      16,384 linuxOS
09/23/2019 19:38 <DIR>     573,440 Packages
09/23/2019 19:40 <DIR>      16,384 sspoddata
09/23/2019 19:40          1,690 RPM-GPG-KEY-CentOS-Testing-7
09/23/2019 19:40          1,690 RPM-GPG-KEY-CentOS-7
09/23/2019 19:40          2,083 TRNGS_TPL
09/23/2019 19:40           29 AtsInfo
09/23/2019 19:40          354 .treeinfo
09/23/2019 19:40           94 syslinux.cfg
09/23/2019 19:40          216 autorun.inf
09/23/2019 19:40       34,494 autorun.ico
09/24/2019 01:26 <DIR>      16,384 (next)
09/30/2019 17:18       28,378,784 XTUSetup.exe
09/30/2019 17:37       31,787,178 S2600UF_EFI_BIOSR02010008_ME04.01.04.251_BMC1.93.870CF4F0_FRU
SDR1.93.DCPMM01.02.00.5346.zip
09/30/2019 05:27 <DIR>      16,384 S2600UF_FFI_BIOSR02010008_ME04.01.04.251_BMC1.93.870CF4F0_FRU
SDR1.93.DCPMM01.02.00.5346_
13 File(s) 60,217,662 bytes
0 Dir(s)
FS0:\> cd S2600UF_EFI_BIOSR02010008_ME04.01.04.251_BMC1.93.870CF4F0_FRUSDR1.93.DCPMM01.02.00.5346_

```

输入“startup.nsh”开始固件更新。

```

09/20/2019 09:00          160,016 R0008_Production_ACM_TXT_FD_signed.cap
09/20/2019 09:00     9,392,208 R0008_Production_ACM_TXT_ME_signed.cap
05/14/2019 23:27           7,390 Readme and Update Instructions.txt
05/14/2019 23:19         46,284 Release_Notes_BIOS_R02.01.0008.txt
09/29/2019 02:29         38,882 Release_Notes_BMC1.93.870cf4f0.txt
09/29/2019 07:36         6,403 Release_Notes_FRUSDR1.93.txt
07/28/2017 01:33       619,634 RHEL73_InstallationGuide_Rev1.00.pdf
01/25/2019 16:10         4,925 S2600UF0.fru
01/25/2019 16:10         4,925 S2600UF1.fru
01/25/2019 16:10         4,925 S2600UF2.fru
01/25/2019 16:10         4,925 S2600UF3.fru
01/25/2019 16:10         4,925 S2600UF4.fru
01/25/2019 16:10         4,925 S2600UF5.fru
01/25/2019 16:10         4,925 S2600UF6.fru
01/25/2019 16:10         4,925 S2600UF7.fru
01/25/2019 16:10       679,092 S2600UF7.sdr
01/25/2019 16:10         4,925 S2600UF9.fru
01/25/2019 16:10         1,489 sdr_update_noprompt.cfg
03/14/2018 12:07           62 sdr_update_noprompt.nsh
07/28/2017 01:34       782,301 SLES12_InstallationGuide_Rev1.00.pdf
09/30/2019 05:27           8,555 startup.nsh
02/12/2019 23:53        151,778 T0-1143.Extra_parameters_needed_for_ipmitool.pdf
01/29/2019 08:32       260,690 uefi.nsh.img.zip
09/20/2019 09:55           77 UpdateDCPMM.nsh
09/29/2019 07:47         1,791 UpdBIOS.nsh
09/29/2019 07:46         1,770 UpdFD.nsh
09/29/2019 07:47         1,752 UpdMe.nsh
03/14/2018 12:07           49 UpdS2600UF7.nsh
07/28/2017 01:35       483,723 WinSrv16_InstallationGuide_Rev1.00.pdf
50 File(s) 75,501,591 bytes
3 Dir(s)
FS0:\S2600UF_EFI_BIOSR02010008_ME04.01.04.251_BMC1.93.870CF4F0_FRUSDR1.93.DCPMM01.02.00.5346> start
up.nsh_

```

按q退出更新，按任意键开始更新。

```

BIOS Boot Region:..... Primary Boot
ME Firmware Version:..... 04.01.04.251

=====
Current Update Sequence is as below
1. BMC - No reset after update completeness
2. BIOS - No reset after update completeness
3. ME - No reset after update completeness
4. FD - No reset after update completeness
5. FRUSDR - Automatically reset after update completeness

!!!!Item1 to Item5 will be completed for 1st time startup.nsh invoked!!!

6. DCPMM FU if DCPMM DIMM installed - No reset after update completeness, will r
emind user to manually reset platform after completeness

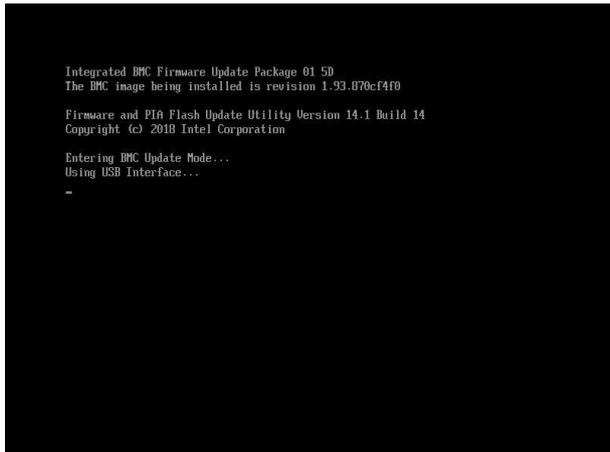
!!!!Item6 will be completed for 2nd time startup.nsh invoked!!!

See the Readme and Update Instructions file for additional information.

=====
Enter 'q' to quit, any other key to continue:
_

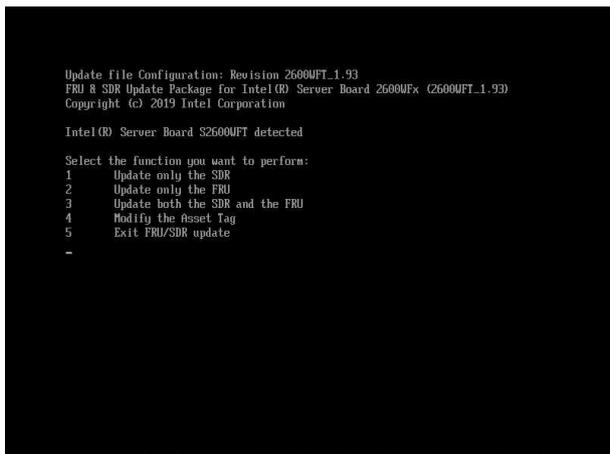
```

如下图：正在更新

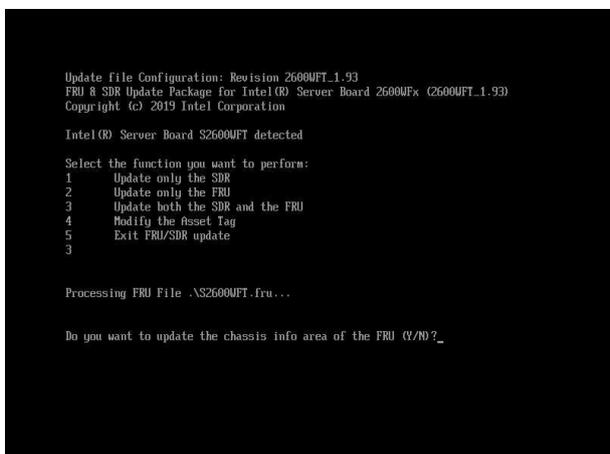


7 在固件更新过程中，系统将提示您选择以下列表中的选项，按 3 更新 SDR 和 FRU

- 1、Update only the SDR
- 2、Update only the FRU
- 3、Update only the SDR and FRU
- 4、Modify the Asset Tag
- 5、Exit FRU/SDR Update



6 点击第三选项，之后系统会提示您提供有关机箱的信息。提供机箱信息是可选的，一般没有特殊需求无需选择，按 N 即可。



选择“N”以后开始更新

```
Update only
FRU & SDR Update Package for Intel(R) Server Board 2600Wx (2600WFT_1_93)
Copyright (c) 2019 Intel Corporation

Intel(R) Server Board S2600WFT detected

Select the function you want to perform:
1 Update only the SDR
2 Update only the FRU
3 Update both the SDR and the FRU
4 Modify the Asset Tag
5 Exit FRU/SDR update
3

Processing FRU File .\S2600WFT.fru...

Do you want to update the chassis info area of the FRU (Y/N)?n
Do you want to update the product info area of the FRU (Y/N)?n

Auto-update for SDR through CFG Started
Updating CFG file .....
100%
Updating SDR file .....
25% _
```

9 固件更新完成后，拔出 U 盘并重启服务器。服务器将在此页面停顿一段时间，请耐心等待。

```
Copyright (c) 2006 - 2019 Intel Corporation. All rights reserved.
Board Name: S2600WFT
Chipset Initialization complete. No errors found.
Memory Initialization complete. No errors found.

91
```

10 重启后可以进入 BIOS 来确认新的固件版本。