

在Integrity小型机EFI Shell下可以进行服务器和IO卡的固件升级。本文以rx6600为例展示了升级过程。

1. 确定根盘

2. 确定EFI分区

```
11.23 i.e. /dev/rdsk/*s1
```

```
11.31 i.e. /dev/rdisk/disk2_p1
```

3. EFI分区下创建一个文件夹

```
# /usr/sbin/efi_mkdir -d /dev/rdisk/disk1_p1 /efi/hp/firmware
```

4. Copy文件到EFI分区

```
# /usr/sbin/efi_cp -d /dev/rdisk/disk1_p1 update_SFW.nsh /efi/hp/firmware/update_SFW.nsh
```

```
# /usr/sbin/efi_cp -d /dev/rdisk/disk1_p1 fweupdate_1p93.efi /efi/hp/firmware/fweupdate_1p93.efi
```

```
# /usr/sbin/efi_cp -d fweupdate_prerun_s0432_b0526_mF0226.efi /efi/hp/
```

```
fweupdate_prerun_s0432_b0526_mF0226.efi
```

5. 确认文件copy成功

```
# /usr/sbin/efi_ls -d /dev/rdisk/disk1_p1 /efi/hp/firmware/
```

FileName	Last Modified	Size
.	4/22/2015	0
..	4/22/2015	0
update_SFW.nsh	4/22/2015	26
fweupdate_1p93.efi	4/22/2015	10168320
fweupdate_prerun_s0432_b0526_mF0226.efi	4/22/2015	223744

```
total space 523218944 bytes, free space 509046784 bytes
```

6. 重启主机，进入到EFI SHELL

7. 找到update_SFW.nsh的位置

```
fs0:\EFI\hp\firmware> dir
```

```
Directory of: fs0:\EFI\hp\firmware
```

```
04/22/15 04:29p <DIR>      4,096 .
04/22/15 04:29p <DIR>      4,096 ..
04/22/15 04:32p           26 update_SFW.nsh
04/22/15 04:33p     10,168,320 fweupdate_1p93.efi
04/22/15 04:34p     223,744 fweupdate_prerun_s0432_b0526_mF0226.efi
```

```
3 File(s) 10,392,090 bytes
```

```
2 Dir(s)
```

8. 执行命令update_SFW.nsh

9. 升级过程从4.30升级到4.32共持续了8分钟

10. 升级完毕之后，系统会自动重启。

11. 升级成功

MP卡下执行命令sysrev查看，版本已经升级到最新。

```
Current firmware revisions
```

```
MP FW : F.02.26
```

```
BMC FW : 05.26
```

```
EFI FW : ROM A 07.14, ROM B 07.14
```

```
System FW : ROM A 04.32, ROM B 04.30, Boot ROM A
```

```
PDH FW : 50.07
```

```
DHPC FW : 01.23
```

```
UCIO FW : 03.0b
```

```
PRS FW : 00.08 UpSeqRev: 0c, DownSeqRev: 08
```

