

Brocade SW200E 光纤交换机密码丢失处理实录

在实施时没有记住光纤交换机的配置密码，致使密码丢失，需要将密码重置。具体操作如下：

To recover the Root password:

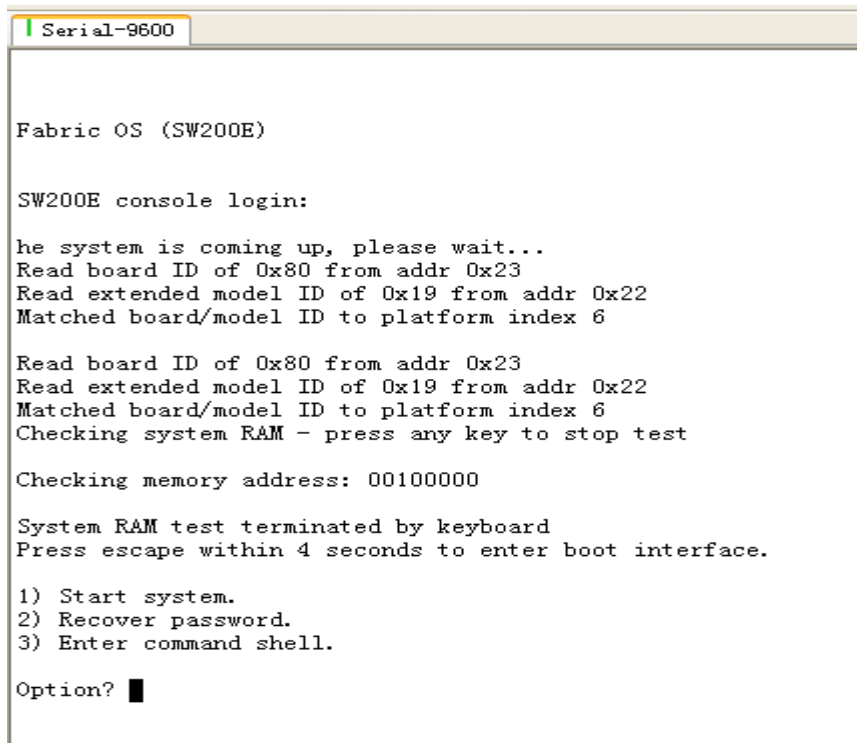
1. Connect to the serial port interface of the switch (Departmental) / Standby CP (Directors), (you can check with the <hashow> command via telnet which CP is the standby.)

通过串口连接到交换机。（默认的串口配置）

2. Reboot the switch / Standby CP by entering the <reboot> command, and press <ESC> within four seconds after the message:
"Press escape within 4 seconds..." it displays the Boot PROM menu. "Enter Boot PROM interface:"

将交换机拔电重启，重启的过程中连续按 ESC 键 4 秒以上。（需要两人配合，一人拔电源，一人按键）。

进入界面如下图所示：



```
Serial-9600

Fabric OS (SW200E)

SW200E console login:

The system is coming up, please wait...
Read board ID of 0x80 from addr 0x23
Read extended model ID of 0x19 from addr 0x22
Matched board/model ID to platform index 6

Read board ID of 0x80 from addr 0x23
Read extended model ID of 0x19 from addr 0x22
Matched board/model ID to platform index 6
Checking system RAM - press any key to stop test

Checking memory address: 00100000

System RAM test terminated by keyboard
Press escape within 4 seconds to enter boot interface.

1) Start system.
2) Recover password.
3) Enter command shell.

Option? █
```

3. Enter "3" at the prompt to enter the command shell.

输入 3 进入命令 shell，如下图所示，但是提示“3” is not on the menu。

```
Option? 3
Option '3' is not on the menu.

1) Start system.
2) Recover password.
3) Enter command shell.

Option? █
```

后来就开始尝试，经过尝试进入 command shell

```
1) Start system.
2) Recover password.
3) Enter command shell.

Option? 3 printenv

Boot PROM password has not been set.
> █
```

4. At the ">" prompt enter the **<printenv>** command and save the output to a file. (this is needed later in the procedure.)

输入 printenv 得到系统环境信息：

```
Boot PROM password has not been set.
> printenv
AutoLoad=yes
ENET_MAC=00051E5BF73E
InitTest=MEM()
LoadIdentifiers=Fabric Operating System;Fabric Operating System
OSLoadOptions=quiet
OSLoader=ATA()0x1e410;ATA()0x6d4d0
OSRootPartition=hda1:hda2
SkipWatchdog=yes
>
```

5. Enter the **<boot>** command followed by the first memory address after the string OSLoader= obtained from the printenv output and **-s** (exact syntax)

boot 引导如下图所示：

```

Boot PROM password has not been set.
> printenv
AutoLoad=yes
ENET_MAC=00051E5BF73E
InitTest=MEM()
LoadIdentifiers=Fabric Operating System;Fabric Operating System
OSLoadOptions=quiet
OSLoader=ATA()0x1e410;ATA()0x6d4d0
OSRootPartition=hda1;hda2
SkipWatchdog=yes
> boot ATA()0x1e410 -s
Booting "Manually selected OS" image.

```

注意: 输入“**printenv**”查看系统环境, 请注意 **OSLoader** 后面的第一个字串, 因为这个就是你后面要输入 **boot** 后面的参数。那个内核参数 **“MEM()0xF0000000”** 并不是固定不变的。使用 **printenv** 显示 **“Osloader=ATA()0x2a6b8;ATA()0x686b0”**, 因此对应于后面的输入就变成 **“boot ATA()0x2a6b8 -s”**。如果还是死照文档输入 **“boot MEM()0xF0000000 -s”**, 那试一天也不会进去☹

boot 后进行系统, 大概如下图所示:

```

0x00200000-0x003c0000 : "prom1: boot prom (2)"
0x003c0000-0x003e0000 : "unused"
0x003e0000-0x00400000 : "boot.sel: boot prom selector"
i2c /dev entries driver
IBM IIC driver v2.1
ibm-iic0: using standard (100 kHz) mode
ibm-iic1: using standard (100 kHz) mode
M41T11 Real-time-clock Driver v1.1
m41t11: Called to probe for bus IIC-0
m41t11: I2C Real-Time-Clock detected on iic0 addr 0x68
NET: Registered protocol family 2
IP route cache hash table entries: 2048 (order: 1, 8192 bytes)
TCP established hash table entries: 8192 (order: 3, 32768 bytes)
TCP bind hash table entries: 8192 (order: 3, 32768 bytes)
TCP: Hash tables configured (established 8192 bind 8192)
TCP reno registered
ip_tables: (C) 2000-2002 Netfilter core team
TCP bic registered
NET: Registered protocol family 1
NET: Registered protocol family 10
IPv6 over IPv4 tunneling driver
ip6_tables: (C) 2000-2002 Netfilter core team
NET: Registered protocol family 17
RAMDISK: ext2 filesystem found at block 0
RAMDISK: Loading 2600KiB [1 disk] into ram disk... done.
EXT2-fs warning: mounting unchecked fs, running e2fsck is recommended
VFS: Mounted root (ext2 filesystem).
Installing Linuxfsshutdownhandler_module: module license 'unspecified' taints kernel.
2.6 Kernel
Attempting to find a root file s hda:system on hda1... hda1
hda2
kjournald starting. Commit interval 5 seconds
EXT3 FS on hda1, internal journal
EXT3-fs: recovery complete.
EXT3-fs: mounted filesystem with ordered data mode.
hda: hda1 hda2
kjournald starting. Commit interval 5 seconds
EXT3-fs: mounted filesystem with ordered data mode.
VFS: Mounted root (ext3 filesystem) readonly.
Trying to move old root to /initrd ... okay
Freeing unused kernel memory: 108k init
INIT: version 2.78 booting

```

6. Enter the following string at the prompt:

```
> mount -o remount,rw,noatime /  
>
```

(This will remount the root partition as read / write.)

如下图所示:

```
sh-2.04# mount -o remount,rw,noatime /  
EXT3 FS on hda1, internal journal  
sh-2.04#
```

7. Enter the following string at the prompt:

```
> mount /dev/hda2 /mnt  
>
```

如下图所示:

```
sh-2.04# mount /dev/hda2 /mnt  
kjournald starting. Commit interval 5 seconds  
EXT3 FS on hda2, internal journal  
EXT3-fs: recovery complete.  
EXT3-fs: mounted filesystem with ordered data mode.  
sh-2.04#
```

8. Enter the <passwddefault> command with the full path, as follows:

```
> /sbin/passwddefault  
>
```

(This resets the User, Admin, Factory, and Root passwords to the default values. The additional user accounts are deleted, only the defaults remain.)

如下图所示:

```
sh-2.04# /sbin/passwddefault  
passwdCfg: fabosInit failed with 2  
/sbin/passwddefault: [: -eq: unary operator expected  
All account passwords have been successfully set to factory default.  
sh-2.04#
```

9. Enter the <reboot -f> command.

```
> reboot -f
```

如下图所示:

```
sh-2.04# reboot -f
Restarting system.
.
<NULL>

The system is coming up, please wait...
Read board ID of 0x80 from addr 0x23
Read extended model ID of 0x19 from addr 0x22
Matched board/model ID to platform index 6

Read board ID of 0x80 from addr 0x23
Read extended model ID of 0x19 from addr 0x22
Matched board/model ID to platform index 6
Checking system RAM - press any key to stop test

Checking memory address: 00100000

System RAM test using Default POST RAM Test succeeded.

Press escape within 4 seconds to enter boot interface.
Booting "Fabric Operating System" image.
```

10.系统重启登录如下图所示:

```
Fabric OS (SW200E)

SW200E console login: admin
Password:
Please change passwords for switch default accounts now.
Use Control-C to exit or press 'Enter' key to proceed.

Password was not changed. Will prompt again at next login
until password is changed.
SW200E:admin> █
```

默认用户名是 admin，密码是 password，可以进行修改也可以按 ctrl+C 直接进入不修改密码。