

## 知 3PAR 重新部署一个DL120 SP

存储系统 硬件相关 崔成男 2020-03-28 发表

### 组网及说明

3PAR with DL120 SP

### 问题描述

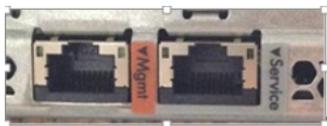
3PAR DL120 没有物理串口, 只能通过虚拟串口来进行配置, 下面是详细步骤。

### 过程分析

The DL120 does not have a physical serial port. Instead it has a virtual serial port. When you attempt to rebuild the SP at some point the display switches to the virtual serial port and stops outputting on the graphic head. The rebuild is still progressing and eventually will complete and give you a SP0000 Login> prompt on the graphics terminal.

To monitor the rebuild use the following process.

1. Insert the DVD with the SP Software in the SPs drive.
2. Configure the ip address on your laptop to be 10.255.155.49 / 255.255.255.248.
3. Connect network cable from laptop to the service port on the back of the DL120 (right hand port)



4. Browse to the IP of the ILO, 10.255.155.52. Login using Administrator and the password from the toe tag.
5. Started an ssh session to the same IP address as the ILO. You need the Administrator password from the toe tag.
6. At the Hpilo> prompt type vsp to connect to the virtual serial port.
7. From the ILO reset the SP and you will start to see output on both the ILO and the VSP (Virtual Serial Port).
8. As the SP starts to boot select **F9** to enter **Bios/Platform Configuration**.
9. Ensure that **Virtual Install Disk** and **Internal SD Card Slot** are **[Disabled]**.



10. After the setting are changed hit **ESC** to allow the SP to continue booting. Execute all the following commands on the serial port

11. At the following Menu **Press 'ESC+!' for One-Time Boot Menu**

Redundant ROM Detected - This system contains a valid backup system ROM

HP SmartMemory authenticated in all populated DIMM slots.

For access via BIOS Serial Console:

Press 'ESC+9' for System Utilities

Press 'ESC+0' for Intelligent Provisioning

Press 'ESC+!' for One-Time Boot Menu

Press 'ESC+@' for Network Boot

12. In the One-Time Boot Menu hit **<ENTER>**

One-Time Boot Menu

> Legacy BIOS One-

Time Boot Menu

13. Select **<ENTER>** a second time.

```
/-----  
\  
|Select ENTER to enter the Legacy BIOS One-Time Boot |  
|Menu or ESC to cancel.                               |  
|Enter (Exit) | ESC (Cancel)                         |  
\-----/
```

Booting in Legacy BIOS mode...

14. Select the Boot option

Please Choose one of the Following Default Boot Override Options:

- 1) One Time Boot to CD-ROM
- 2) One Time Boot to USB DriveKey
- 3) One Time Boot to HDD
- 4) One Time Boot to Network (1st NIC in IPL)
- 5) One Time Boot to UEFI Boot Menu (after system reset)
- 7) One Time Boot to Intelligent Provisioning (after system reset)
- 8) Enter the System Utilities menu (after system reset)
- 0) Exit Boot Override Menu and Continue Default Boot Process

15. Select the Baud Rate which selects the proper SP hardware type.

16. The Graphic port will stop outputting after and the **Write protecting the kernel read-only data: 1980k**

17. The serial port will continue to show output as the SP rebuilds.

18. After the Graphics terminal stopped outputting it took about 18 minutes to complete.

19. The graphics head will start outputting a few minutes before it completes

20. When it completes both terminals will show the login prompt **SP00000 Login>**

## 解决方法

### Procedure to Rebuild a DL120 SP