

知 HPE ProLiant Gen9系列服务器安装ORACLE SOLARIS 11.x 注意事项

Linux系统安装 翟秀文 2017-10-21 发表

HPE ProLiant Gen9系列服务器配置H240ar或H240阵列卡，安装ORACLE SOLARIS 11识别不到硬盘，并且安装启动到probing devices位置自动重启。

HPE ProLiant Gen9服务器安装停留在probing device处无法通过，接着出现自动重启。

```
SunOS Release 5.11 Version 11.2 64-bit
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Remounting root read/write
Probing for device nodes ...
```

1、HPE ProLiant Gen9服务器配置H240ar或者H240阵列卡，安装ORACLE SOLARIS 11无法安装，该版本系统不支持此型号阵列卡，并且Smart Array Controller是不支持HBA模式安装。安装ORACLE SOLARIS 11，则需要更换P系列阵列卡，例如P440ar、P440等。

ORACLE SOLARIS 11系统支持的阵列卡型号可以在solaris11_hpe_proliant_support_guide手册中查询。另外，ORACLE官网也可以查询到服务器阵列卡兼容性！

Oracle Solaris 11: Hardware Compatibility List:

<http://www.oracle.com/webfolder/technetwork/hcl/data/s11ga/index.html>

HCL for Oracle Solaris OS

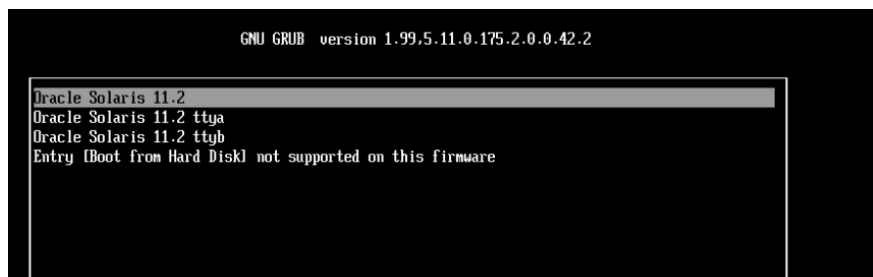
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Detail	
Type:	Server System
Manufacturer:	Hewlett-Packard
Model:	ProLiant DL360 Gen9
Runs on OS Versions:	Oracle Solaris 11.1 to Oracle Solaris 11.3 Certified
CPU Type:	Intel Xeon CPU E5-2603 v3 @ 1.60GHz Intel Xeon CPU E5-2620 v4 @ 2.10GHz
Num CPUs:	1
Num Cores (per CPU):	6
SRU Tested:	ORACLE SOLARIS 11.1.17.5.0
BIOS/UEFI:	HP P99 07/11/2014
Firmware Maker and Version	
Test Suite:	true (May not apply to all OS Revisions. Please refer to 'General Notes')
General Notes:	The integrated Intel SATA AHCI controller can be used as the primary disk controller on Oracle Solaris 11.
	Below storage controller can be used as the primary storage controller on Oracle Solaris 11 OS:
	Smart Array P440ar SAS Controller
	Below storage controller can be used as the primary storage controller on Oracle Solaris 11.1:
	HP Smart Array P441
	HP Smart Array P440
	Below device can be used as the primary NIC on Oracle Solaris 11:
	HP Ethernet 1Gb 4-port 365FLR Adapter
	Below devices can be used as the primary NIC on Oracle Solaris 11.1:
	HP Ethernet 10Gb 2-port 557SFP+ Adapter
General Notes:	HP FlexFabric 10Gb 2-port 533FLR-T Adapter
	HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
	HP Ethernet 1Gb 4-port 366T Adapter
	Below devices can be used as the primary NIC on Oracle Solaris 11.2 (SRU11.2.10.5.0):
	HP Ethernet 1Gb 4-port 331T Adapter
	HP Ethernet 1Gb 4-port 331FLR Adapter
	HP Ethernet 1Gb 4-port 331i Adapter
	Network PXE installs with Solaris 11.1 in UEFI mode are not currently supported on this platform.
	Configurations with the Intel Xeon CPU E5-2620 v4 @ 2.10GHz require Solaris 11.3 SRU9 (11.3.9.4.0) or later.
Submitter Company:	Hewlett Packard
Last Updated:	2015-03-19

2、HPE ProLiant Gen9服务器安装ORACLE SOLARIS 11系统，需要切换Legacy BIOS模式安装。

3、HPE ProLiant Gen9服务器安装ORACLE SOLARIS 11系统，启动提示welcome to grub时，按下e键进入Grub编辑界面，找到关键字multiboot的行，并在GRUB的 \$kern行添加启动参数“-B pci-reprog=off”才能正常安装。

在如下屏幕处按e键进入Grub编辑界面：



加入如下所示的启动参数：

GNU GRUB version 1.99.5.11.0.175.2.0.0.42.2

```
insmod part_msdos
insmod part_sunpc
insmod part_gpt
insmod zfs
search --no-floppy --fs-uuid --set=root 63c47fa5332477c7
zfs-bootfs /ROOT/solaris/0/ zfs_bootfs
load_video
set kern=/platform/i86pc/kernel/amd64/unix
echo -n "Loading $(root)/ROOT/solaris/0$kern: "
$multiboot /ROOT/solaris/0/$kern $kern -B $zfs_bootfs -B pci-reprog=off\
-
set gfxpayload="1024x768x32:1024x768x16:800x600x16:640x480x16:640x480x1\
5:640x480x32"
```

Minimum Emacs-like screen editing is supported. TAB lists completions. Press Ctrl-x or F10 to boot. Ctrl-c or F2 for a command-line or ESC to discard edits and return to the GRUB menu.