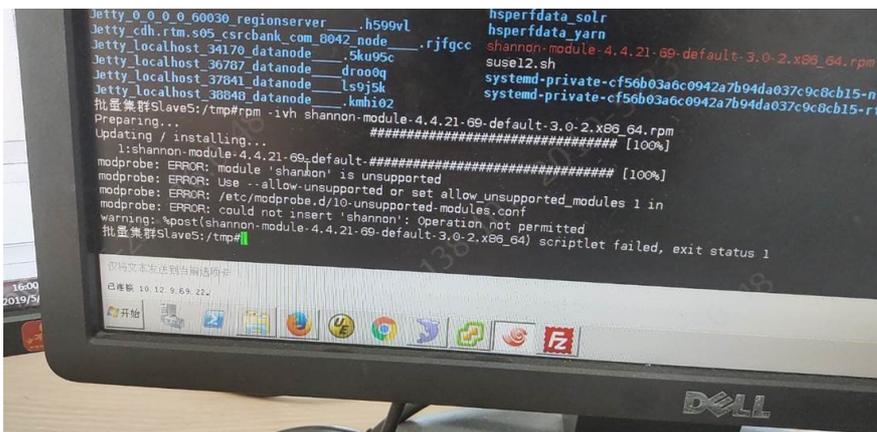


组网及说明

服务器型号: R2900 G3
操作系统: suse12 sp2
NVMe加速卡型号: UN-SSD-NVME-1.6T-EM-F2

问题描述

1.6T NVMe SSD PCIe加速卡在suse12 sp2系统下不识别, 安装3.02版本驱动有如下报错:



过程分析

SUSE操作系统对于unsupported的驱动模块默认不允许进行安装的, 需要先修改配置文件。

解决方法

1、顺序执行如下命令:

```
linux-bole:/home # vim /etc/modprobe.d/10-unsupported-modules.conf
linux-bole:/home # rpm -e shannon-module-4.4.21-69-default
linux-bole:/home # rpm -ivh shannon-module-4.4.21-69-default-3.0-2.x86_64.rpm
Preparing...##### [100%]
Updating / installing...
 1:shannon-module-4.4.21-69-default-##### [100%]
```

2、执行第一条命令之后, 修改文件为下图所示:

```
#
# Every kernel module has a flag 'supported'. If this flag is not set loading
# this module will taint your kernel. You will not get much help with a kernel
# problem if your kernel is marked as tainted. In this case you firstly have
# to avoid loading of unsupported modules.
#
# Setting allow_unsupported_modules 1 enables loading of unsupported modules
# by modprobe, setting allow_unsupported_modules 0 disables it. This can
# be overridden using the --allow-unsupported-modules commandline switch.
allow_unsupported_modules 1
```

3、执行lsblk确认系统下可以识别。

```
linux-bole:/home # lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
dfa         253:0    0  1.5T  0 disk
├─sda        8:0      0  279.4G  0 disk
├─┬─sda1     8:1      0   156M  0 part /boot/efi
├─┬─sda2     8:2      0     2G   0 part [SWAP]
├─┬─sda3     8:3      0    40G   0 part /var/lib/named
├─┬─sda4     8:4      0  237.2G  0 part /home
└─sdb        8:16     0  279.4G  0 disk
sdc          8:32     0  931.5G  0 disk
├─sdc1       8:33     0    512M  0 part
├─sdc2       8:34     0    931G  0 part
sdd          8:48     0  931.5G  0 disk
├─sdd1       8:49     0    512M  0 part
└─sdd2       8:50     0    931G  0 part
```