

?:OSSLab sunchiahome ,thx

<http://benjr.tw/?q=node/541>

Netapp ?EMC ??????????????????????BLOCK CHECKSUM ??,  
??FC????? 520 ? 522 Byte??.

????

????????????x86 os ????.?raw data ?????? .  
????????????firmware ??,?????????  
??????????????????????..

??? Sector size ????,RHEL 4 / 5 ??????, sg\_format ?????? sg3\_utils , sg3\_utils\_libs ???,??????????????????.

The Linux sg3\_utils package [http://sg.danny.cz/sg/sg3\\_utils.html](http://sg.danny.cz/sg/sg3_utils.html)

????????????????? sdd ? Sector size ?? 520 bytes ??.

```
[root@benjr ~]# sg_format --format --size=520 /dev/sdd
```

?????????????????,?????????? Sector size ? 512 bytes ?? 520 bytes ??,Linux ?????? fdisk , mkfs ??????.????  
dmesg ???????????????????.

```
[root@benjr ~]# dmesg  
sd 0:0:7:0: Attached scsi disk sdc  
sd 0:0:7:0: Attached scsi generic sg2 type 0  
mptsas: ioc0: attaching ssp device, channel 0, id 33, phy 2  
Vendor: Fujitsu Model: MBE2147RC Rev: NQ00  
Type: Direct-Access ANSI SCSI revision: 03  
sdd : unsupported sector size 520.
```

```
[root@benjr ~]#fdisk -l
```

Disk /dev/sda: 146.8 GB, 146814976000 bytes  
255 heads, 63 sectors/track, 17849 cylinders  
Units = cylinders of 16065 \* 512 = 8225280 bytes

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	1	13	104391	83	Linux
/dev/sda2		14	17849	143267670	8e	Linux LVM

????????Data Recovery?.

????????????Mount Storage ,????????????FC Disk ??RAID ?JBOD,???Lun? Storage Client ??,????Mount.

???

1.????????FC ?? . FC???SCA 40 Pin Serial Signal, ?????????? HSSDC ??LC ??

2.????520 ?????? ,?Linux ?? ??? SCSI ASPI ????????,

OSSLab ?????????on fly ?????,????520,522 bytes?? ??????????????  
????????????????????.

???

<http://bbs.doit.com.cn/thread-59137-1-5.html>

<http://blogs.sun.com/bonwick/zh/entr...95%B4%E6%80%A7>