

CP ATT F807 \* FC00

FCP F807 ATTACHED TO LINUX133 FC00

SCSI subsystem initialized

# lsmod | sort | tail

```
scsi_tgt          15142  1 scsi_transport_fc
scsi_transport_fc 66051  1 zfcplib
vmur              13228  0
x_tables          26606  11
ip6t_LOG,xt_tcpudp,xt_pkttype,ipt_LOG,xt_limit,ip6t_REJECT,xt_NOTRACK,ipt_REJECT,xt_state,ip_tables,ip6_tables
xt_limit          2745   17
xt_NOTRACK        1285    4
xt_pkttype        1336    4
xt_state          1823    6
xt_tcpudp         3083   14
```

```
zfcplib           139986  0 [permanent]
```

# cd /sys/bus/ccw/drivers/zfcplib

# 1

total 0

```
drwxr-xr-x 2 root root 0 2011-07-29 22:51 ./
```

```
drwxr-xr-x 9 root root 0 2011-07-29 22:51 ../
```

```
lrwxrwxrwx 1 root root 0 2011-07-29 22:52 0.0.fc00
```

```
-> ../../../../devices/css0/0.0.0001/0.0.fc00/
```

```
--w----- 1 root root 4096 2011-07-29 22:52 bind
```

```
lrwxrwxrwx 1 root root 0 2011-07-29 22:52 module -> ../../../../module/zfcplib/
```

```
--w----- 1 root root 4096 2011-07-29 22:52 uevent
```

```
--w----- 1 root root 4096 2011-07-29 22:52 unbind
```

# cd 0.0.fc00/

# 1

total 0

```
drwxr-xr-x 3 root root 0 2011-07-29 22:51 ./
```

```
drwxr-xr-x 4 root root 0 2011-07-29 22:51 ../
```

```
-r--r--r-- 1 root root 4096 2011-07-29 22:51 availability
```

```
-rw-r--r-- 1 root root 4096 2011-07-29 22:51 cmb_enable
```

```
-r--r--r-- 1 root root 4096 2011-07-29 22:51 cutype
```

```
-r--r--r-- 1 root root 4096 2011-07-29 22:51 devtype
```

```
lrwxrwxrwx 1 root root 0 2011-07-29 22:51 driver ->
```

```
../../../../../bus/ccw/drivers/zfcplib/
```

```
-r--r--r-- 1 root root 4096 2011-07-29 22:52 modalias
```

```
-rw-r--r-- 1 root root 4096 2011-07-29 22:51 online
```

```
drwxr-xr-x 2 root root 0 2011-07-29 22:52 power/
```

```
lrwxrwxrwx 1 root root 0 2011-07-29 22:51 subsystem -> ../../../../bus/ccw/
```

```
-rw-r--r-- 1 root root 4096 2011-07-29 22:52 uevent
```

# chccwdev -e 0.0.fc00

Setting device 0.0.fc00 online

Done

# 1

total 0

```
drwxr-xr-x 7 root root 0 2011-07-29 22:56 ./
```

```
drwxr-xr-x 4 root root 0 2011-07-29 22:51 ../
```

```
drwxr-xr-x 4 root root 0 2011-07-29 22:56 0x20010060451603de/
```

```
drwxr-xr-x 3 root root 0 2011-07-29 22:54 0x5005076300caa36d/
```

```
drwxr-xr-x 3 root root 0 2011-07-29 22:54 0x5005076300cea36d/
```

```
-r--r--r-- 1 root root 4096 2011-07-29 22:51 availability
```

```

-r--r--r-- 1 root root 4096 2011-07-29 22:57 card_version
-rw-r--r-- 1 root root 4096 2011-07-29 22:51 cmb_enable
-r--r--r-- 1 root root 4096 2011-07-29 22:51 cutype
-r--r--r-- 1 root root 4096 2011-07-29 22:51 devtype
lrwxrwxrwx 1 root root 0 2011-07-29 22:51 driver ->
../../../../../bus/ccw/drivers/zfcp/
-rw-r--r-- 1 root root 4096 2011-07-29 22:57 failed
-r--r--r-- 1 root root 4096 2011-07-29 22:57 hardware_version
drwxr-xr-x 9 root root 0 2011-07-29 22:54 host0/
-r--r--r-- 1 root root 4096 2011-07-29 22:57 in_recovery
-r--r--r-- 1 root root 4096 2011-07-29 22:57 lic_version
-r--r--r-- 1 root root 4096 2011-07-29 22:52 modalias
-rw-r--r-- 1 root root 4096 2011-07-29 22:56 online
-r--r--r-- 1 root root 4096 2011-07-29 22:57 peer_d_id
-r--r--r-- 1 root root 4096 2011-07-29 22:57 peer_wwnn
-r--r--r-- 1 root root 4096 2011-07-29 22:57 peer_wwpn
--w----- 1 root root 4096 2011-07-29 22:57 port_remove
--w----- 1 root root 4096 2011-07-29 22:57 port_rescan
drwxr-xr-x 2 root root 0 2011-07-29 22:52 power/
-r--r--r-- 1 root root 4096 2011-07-29 22:54 status
lrwxrwxrwx 1 root root 0 2011-07-29 22:51 subsystem -> ../../../../../bus/ccw/
-rw-r--r-- 1 root root 4096 2011-07-29 22:52 uevent

# lsluns
Scanning for LUNs on adapter 0.0.fc00
  at port 0x20010060451603de:
    0x0000000000000000
    0x0005000000000000
    0x0008000000000000
    0x000e000000000000
  at port 0x5005076300caa36d:
    0x5623000000000000
    0x5716000000000000
  at port 0x5005076300cea36d:
    0x5623000000000000
    0x5716000000000000

# cd 0x5005076300caa36d/
# 1
total 0
drwxr-xr-x 4 root root 0 2011-07-29 23:04 ./
drwxr-xr-x 6 root root 0 2011-07-29 23:03 ../
-r--r--r-- 1 root root 4096 2011-07-29 23:06 access_denied
-rw-r--r-- 1 root root 4096 2011-07-29 23:06 failed
-r--r--r-- 1 root root 4096 2011-07-29 23:06 in_recovery
-r--r--r-- 1 root root 4096 2011-07-29 23:06 status
-rw-r--r-- 1 root root 4096 2011-07-29 23:06 uevent
--w----- 1 root root 4096 2011-07-29 23:04 unit_add
--w----- 1 root root 4096 2011-07-29 23:04 unit_remove

# echo 0x5623000000000000 > unit_add
scsi 0:0:0:22051: Direct-Access IBM 2105800 .112 PQ: 0 ANSI: 3
scsi 0:0:0:22051: Attached scsi generic sg0 type 0
sd 0:0:0:22051: Ýsda` 9765632 512-byte logical blocks: (5.00 GB/4.65 GiB)
sd 0:0:0:22051: Ýsda` Write Protect is off
sd 0:0:0:22051: Ýsda` Write cache: enabled, read cache: enabled, doesn't support
DPO or FUA
sda: sda1 sda2
sd 0:0:0:22051: Ýsda` Attached SCSI disk
# echo 0x5716000000000000 > unit_add

```

```
scsi 0:0:0:22294: Direct-Access      IBM          2105800          .112 PQ: 0 ANSI: 3
sd 0:0:0:22294: Attached scsi generic sgl type 0
sd 0:0:0:22294: 'sdb' 9765632 512-byte logical blocks: (5.00 GB/4.65 GiB)
sd 0:0:0:22294: 'sdb' Write Protect is off
sd 0:0:0:22294: 'sdb' Write cache: enabled, read cache: enabled, doesn't support
DPO or FUA
sdb: sdb1
sd 0:0:0:22294: 'sdb' Attached SCSI disk
```

```
# 1
total 0
drwxr-xr-x 4 root root    0 2011-07-29 23:10 ./
drwxr-xr-x 6 root root    0 2011-07-29 23:03 ../
drwxr-xr-x 2 root root    0 2011-07-29 23:09 0x5623000000000000/
drwxr-xr-x 2 root root    0 2011-07-29 23:10 0x5716000000000000/
-r--r--r-- 1 root root 4096 2011-07-29 23:08 access_denied
-rw-r--r-- 1 root root 4096 2011-07-29 23:08 failed
-r--r--r-- 1 root root 4096 2011-07-29 23:08 in_recovery
-r--r--r-- 1 root root 4096 2011-07-29 23:08 status
-rw-r--r-- 1 root root 4096 2011-07-29 23:08 uevent
--w----- 1 root root 4096 2011-07-29 23:10 unit_add
--w----- 1 root root 4096 2011-07-29 23:08 unit_remove
```

```
# lsscsi
[0:0:0:22051]disk      IBM          2105800          .112  /dev/sda
[0:0:0:22294]disk      IBM          2105800          .112  /dev/sdb
```

```
# fdisk -l /dev/sd?
```

```
Disk /dev/sda: 5000 MB, 5000003584 bytes
255 heads, 63 sectors/track, 607 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Disk identifier: 0x2ece0000
```

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1		1	66	530113+	82	Linux swap / Solaris
/dev/sda2		67	607	4345582+	83	Linux

```
Disk /dev/sdb: 5000 MB, 5000003584 bytes
154 heads, 62 sectors/track, 1022 cylinders
Units = cylinders of 9548 * 512 = 4888576 bytes
Disk identifier: 0xe52ddc0b
```

Device	Boot	Start	End	Blocks	Id	System
/dev/sdb1		1	1022	4878997	8e	Linux LVM

Or, if your root file system is already mounted:

```
zfcplib configure 0.0.fc00 1
zfcplib_disk configure 0.0.fc00 0x5005076300caa36d 0x5623000000000000 1
zfcplib_disk configure 0.0.fc00 0x5005076300caa36d 0x5716000000000000 1
```

If the DASD or SCSI disks are part of an LVM Volume Group:

```
# vgscan
```

```
Reading all physical volumes. This may take a while...
```

```
Found volume group "vg1" using metadata type lvm2
```

```
# vgchange -a y
```

```
1 logical volume(s) in volume group "vg1" now active
```