

vfcmap on VIO Server

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vfcmap on VIO Server

vfcmap command maps and unmaps the virtual fibre channel adapter to the physical fibre channel port.

To Map the virtual fibre channel ,vfchost1 to the physical fibre channel port, fcs0

```
# vfcmap -vadapter vfchost0 -fcp fcs0
```

To unmap the virtual fibre channel, vfchost3 to the physical fibre channel port, fcs3

```
# vfcmap -vadapter vfchost3 -fcp
```

USB Drive Mount Procedure on AIX Server.

1.Connect the USB drive to the server and discover it in OS.

```
#cfgmgr
```

2. Find the newly detected USB device name:

```
#lsdev -Clgrep usbms
```

Ex: assume the newly detected device name is usbms0

3. create the filesystem on USB drive:

```
#mkfs -V jfs2 -o ea=v2 /dev/usbms0
```

4. Create the mount point and mount the drive on it.

```
#mkdir /usbdrive
```

```
#mount -o log=NULL /dev/usbms0 /usbdrive
```

5. Check is drive mounted or not:

```
#df -glgrep usbdrive
```

6. copy the data to it

```
#cp /work/test.txt /usbdrive
```

```
#ls -l /usbdrive -- should show test.txt file in it.
```

Recovery From A Deleted /dev Directory in AIX

Note that AIX recreates most of /dev on boot, but we need a certain amount.

=====
Problem(Abstract): The /dev directory was accidentally deleted.
=====

Symptom: System wont boot
=====

Environment: AIX 5.3 (and others)
=====

Resolving the problem

Boot system into maintenance mode.

Access a root volume group before mounting filesystems

```
mount /dev/hd4 /mnt
mount /dev/hd2 /mnt/usr
mknod /mnt/dev/hd1 b 10 8
mknod /mnt/dev/hd2 b 10 5
mknod /mnt/dev/hd3 b 10 7
mknod /mnt/dev/hd4 b 10 4
mknod /mnt/dev/hd5 b 10 1
mknod /mnt/dev/hd6 b 10 2
mknod /mnt/dev/hd8 b 10 3
mknod /mnt/dev/hd9var b 10 6
umount /mnt/usr
umount /mnt
shutdown -Fr
```

How to view system Serial Number in AIX

```
# lsconf | grep -i "Machine Serial"
```

```
# prtconf | grep -i "Machine Serial"
```

```
# lsattr -El sys0 -a systemid
```

AIX Logs:

List of AIX Logs

/var/adm/ras/lvmcfg.log # lvm log file shows what lvm commands were used (alog -ot lvmcfg)

alog -L # List the defined log types

alog -o -t boot # View the boot log

alog -o -t console # View the console log

Viewing the contents of a disk without varying on the VG in AIX

To view a disk without varying it on:

```
# lqueryvg -p hdisk0 -L
```

```
00c9b6fb00004c000000013a8c97f698.1  backup_lv 1
```

00c9b6fb00004c0000000013a8c97f698.2 loglv01 1
00c9b6fb00004c0000000013a8c97f698.3 fslv19 1
00c9b6fb00004c0000000013a8c97f698.4 was70bkb 1
00c9b6fb00004c0000000013a8c97f698.5 paging00 1
00c9b6fb00004c0000000013a8c97f698.6 fixes_lv 1

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