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HP-UX UNIX Mount CDROM (CDFS) Filesystem Command

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Q. How do I mount CDROM media under HP-UX UNIX System from a shell prompt? How do I automount CDFS file system using /etc/fstab file?

A. You need to use standard mount command to mount the CD (data CD or ISO9600 format cd). You must login as the root user to perform following operations.

[1]

Step # 1: Find CDROM device name

Ypu need to use ioscan command to find out the block device file name located at /dev/dsk directory. Without the block device name, you will not able to use CDROM. Type the following command to view CD-ROM device name:

```
# isoscan -funC disk
```

Where,

- **-F** : Generate a full listing, displaying the module's class, instance number, hardware path, driver, software state, hardware type, and a brief description.
- **-u** : Scan and list usable I/O system devices instead of the actual hardware.
- **-n** : List device file names in the output. Only special files in the /dev directory and its subdirectories are listed.
- **-C disk** : Scan the system hardware and list all the devices belonging to the disk device class.

Step # 2: Create a mount point

Next create a mount point for CD-ROM such as /cddisk, enter:

```
# mkdir /cddisk
```

Step # 3: Mount the CD

Mount the cd, enter:

```
# mount -o ro /dev/dsk/cXtYdZ /cddisk
```

Replace /dev/dsk/cXtYdZ with actual device name such as /dev/dsk/c1t3d0:

```
# mount -o ro /dev/dsk/c1t3d0 /cddisk
```

To access file use normal UNIX cd, ls, cp commands, enter:

```
# cd /cddisk
# ls
# cp file /somewhere/else
```

Step # 4: Update /etc/fstab

Update your /etc/fstab file for automatic mounting, enter:

```
# vi /etc/fstab
```

Append following line, enter:

```
/dev/dsk/c1t3d0 /cddisk cdfs ro 0 0
```

Save and close the file. Use mountall command to mount all file system listed in /etc/fstab, enter:

```
# mountall
```

Above will mount all unmounted file systems listed in /etc/fstab.

Step # 5: Unmount the CD

To unmount the cd, enter:

```
# umount /cddisk
```

Further readings:

- man pages mount, ioscan, mountall

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