
# Mounting and Unmounting the CD-ROM

This appendix describes how to mount and unmount the Campus Manager 4.0 CD-ROM on a Solaris system and provides general information only. For more detailed instructions, consult your Sun documentation.

You can install Campus Manager 4.0 from a CD-ROM mounted on the Campus Manager server system or from a CD-ROM mounted on a remote Solaris system. After you complete the Campus Manager 4.0 installation, you must unmount the CD-ROM drive.

This appendix contains:


- Mounting a Local CD-ROM Drive
- Mounting a Remote CD-ROM Drive
- Unmounting a Local CD-ROM Drive
- Unmounting a Remote CD-ROM Drive

# Mounting a Local CD-ROM Drive

To mount a local CD-ROM drive:

**Step 1** Insert the Campus Manager 4.0 CD-ROM.

**Step 2** Become the superuser by entering the command **su** and the root password at the command prompt, or log in as root. The command prompt changes to the pound sign (#).

If the /cdrom directory does not already exist, enter the following command to create it:

```
# mkdir /cdrom
```

**Step 3** Mount the CD-ROM drive.

**Note** The vold process manages the CD-ROM device and performs the mounting. The CD-ROM might automatically mount onto the /cdrom/cdrom0 directory.

- If you are running File Manager, a separate File Manager window displays the contents of the CD-ROM.
- If the /cdrom/cdrom0 directory is empty because the CD-ROM was not mounted, or if File Manager did not open a window displaying the contents of the CD-ROM, verify that the vold daemon is running by entering:

  ```
  # ps -e | grep vold | grep -v grep
  ```

- If vold is running, the system displays the process identification number of vold. If the system does not display anything, restart the daemon by entering:

  ```
  # /usr/sbin/vold &
  ```

- If the vold daemon is running but did not mount the CD-ROM, stop the vold daemon and then restart it. To stop the vold process, you must know the process identification number. If you do not know the process identification number, you can get it by entering:

  ```
  # ps -ef | grep vold | grep -v grep
  ```

**Step 4** Stop the vold process by entering:

```
# kill -15 process_ID_number
```

**Step 5** Restart the vold process by entering:

```
# /usr/sbin/vold &
```

If you encounter problems using the vold daemon, enter the following command to mount the CD-ROM:

```
# mount -F hsfs -r ro /dev/dsk/cxtyd0sz /cdrom/cdrom0
```

where *x* is the CD-ROM drive controller number, *y* is the CD-ROM drive SCSI ID number, and *z* is the slice of the partition on which the CD-ROM is located.

You have now mounted the CD-ROM drive. See Chapter 2, "Installing Campus Manager" for instructions on installation.

# Mounting a Remote CD-ROM Drive

To mount a remote CD-ROM drive:

**Step 1** Insert the Campus Manager 4.0 CD-ROM into the CD-ROM drive of the remote machine.

**Step 2** Become the superuser on the remote machine by entering the command **su** and the root password at the command prompt, or log in as root. The command prompt changes to the pound sign (#).

If the /cdrom directory does not already exist, enter:

```
# mkdir /cdrom
```

**Step 3** Mount the CD-ROM drive.

**Note** The vold daemon process manages the CD-ROM device and performs the mounting. The CD-ROM might automatically mount onto the /cdrom/cdrom0 directory.

- If you are running File Manager, a separate File Manager window displays the contents of the CD-ROM.
- If the /cdrom/cdrom0 directory is empty because the CD-ROM was not mounted, or if File Manager did not open a window displaying the contents of the CD-ROM, verify that the vold daemon is running by entering:

  ```
  # ps -e | grep vold | grep -v grep
  ```

- If vold is running, the system displays /usr/sbin/vold. If the system does not display anything, restart the daemon by entering:

  ```
  # /usr/sbin/vold &
  ```

- If the vold daemon is running but did not mount the CD-ROM, stop the vold daemon and then restart it. To stop the vold process, you must know the process identification number. If you do not know the process identification number, you can get it by entering:

  ```
  # ps -ef | grep vold | grep -v grep
  ```

**Step 4** Stop the vold process by entering the following command:

```
# kill -15 process_ID_number
```

**Step 5** Restart the vold process by entering the following command:

```
# /usr/sbin/vold &
```

If you encounter problems using the vold daemon, enter the following to mount the CD-ROM:

```
# mount -F hsfs -o ro /dev/dsk/cxtyd0sz /cdrom/cdrom0
```

where *x* is the CD-ROM drive controller number, *y* is the CD-ROM drive SCSI ID number, and *z* is the slice of the partition on which the CD-ROM is located.

**Step 6** Use a text editor to create an /etc/dfs/dfstab file, if one does not exist.

**Step 7** Add the following line to the /etc/dfs/dfstab file:

```
share -F nfs -o ro /cdrom/cdrom0
```

**Step 8** Make sure your remote machine is enabled as an NFS server by entering:

```
# ps -ef | grep nfs | grep -v grep
```

The output of this command indicates whether the /usr/lib/nfs/nfsd and /usr/lib/nfs/mountd daemons are running. If they are not running, enable your machine as an NFS server by entering:

```
# /etc/init.d/nfs.server start
```

If your machine is enabled as an NFS server, enter one of the following:

```
# share
```

or

```
# shareall
```

**Step 9** Log in to the machine on which you want to install Campus as superuser by entering the command **su** and the root password, or log in as root.

**Step 10** Create a /cdrom directory, if one does not already exist, by entering:

```
# mkdir -p /cdrom/cm40
```

**Step 11** To mount the CD-ROM drive, enter:

```
# /usr/sbin/mount -r remote_machine_name:/cdrom/cdrom0 /cdrom/cm40
```

You have now mounted the CD-ROM drive. See Chapter 2, “Installing Campus Manager” for installation instructions.

# Unmounting a Local CD-ROM Drive

To unmount a local CD-ROM drive:

**Step 1** As root, enter:

```
# cd
# umount /cdrom/cdrom0
```

**Step 2** Remove the CD-ROM and store it in a safe place.

# Unmounting a Remote CD-ROM Drive

To unmount a remote CD-ROM drive:

**Step 1** As root, enter the following on the local machine:

```
# umount /cdrom/cm40
```

**Step 2** As root, enter the following on the remote machine:

```
# umount /cdrom/cdrom0
```

**Step 3** Remove the CD-ROM and store it in a safe place.