



Mounting and Unmounting on AIX

This appendix describes how to mount the CD One CD-ROM on an AIX system. It includes general information only. For more detailed instructions, consult your AIX documentation.

You can install CD One from a CD-ROM mounted on the CD One server system or from a CD-ROM mounted on a remote AIX system.

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:

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- Step 1 Insert the CD One 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 (#).
 - Step 3 If the `/cdrom` directory does not already exist, enter the following command to create it:

```
# mkdir /cdrom
```
 - Step 4 Start SMIT by entering:

```
# smit
```
 - Step 5 From the SMIT System Management menu, select **System Storage Management (Physical & Logical Storage)**.
 - Step 6 Select **File Systems**.
 - Step 7 Select **Add/Change/Show/Delete File Systems**.
 - Step 8 Select **CDROM File Systems**.
 - Step 9 Select **Add a CDROM File System**
 - Step 10 Click the DEVICE name **List** button, and select the device name (such as `cd0`) from the list that appears.
 - Step 11 Enter the name of a mount point directory (such as `/cdrom`) in the Mount Point field.
 - Step 12 Click **OK** and check for messages in the Output: field.
If you have already performed this procedure, or if another device is already mounted on the mount point, the process fails.
 - Step 13 Click **Done**. Click **Cancel** to clear the Add CDROM File System dialog box.
 - Step 14 Stop SMIT by pressing **F12** or selecting **Exit > Exit SMIT**.

- Step 15** Enter the following at the command prompt:
- ```
smit mountfs
```
- The Mount a File System dialog box appears.
- Step 16** Click the FILE SYSTEM name List button, and select the device name of the CD-ROM drive that you want to mount (such as cd0) from the list that appears.
- Step 17** In the DIRECTORY over which to mount field, enter the name of a mount point directory (for example, /cdrom).
- Step 18** Click the TYPE of file system List button, and select **cdarfs** as the filesystem type.
- Step 19** Set the Mount as Read-Only system field to **yes**.
- Step 20** Click **OK** and check for messages in the Output: field. If the mount is successful, there are no messages.
- Step 21** Click **Done**.
- Step 22** Click **Cancel** to exit SMIT.
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## Mounting a Remote CD-ROM Drive

To mount a remote CD-ROM drive:

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- Step 1** Perform all steps described in “Mounting a Local CD-ROM Drive” on the remote workstation.
- Step 2** From the command line, enter the following command:
- ```
# smit mknfsexp
```
- The Add a Directory to Exports List dialog box appears.
- Step 3** Enter the CD-ROM mount point directory (such as /cdrom) in the PATHNAME of directory to export field.
- Step 4** Use the arrow buttons to change the Mode to Export Directory field to read-only.
- Step 5** Enter the appropriate information, if necessary, into the other fields.
- Step 6** Click **OK**, and check for messages in the Output: field.

- Step 7 Click **Done**.
- Step 8 Click **Cancel** to exit SMIT.

After working on the remote workstation, perform the following steps on the local workstation:

- a. Log in as root.
- b. Enter:

```
# mount remote_hostname:remote_exported_filesystem_name \
  local_mount_point
```

For example, to mount the /cdrom remote filesystem from the workstation zen to the local /cdrom directory, enter the following command:

```
# mount zen:/cdrom /cdrom
```

Unmounting a Local CD-ROM Drive

To unmount a local CD-ROM drive:

- Step 1 Unmount the CD-ROM filesystem by performing one of the following procedures:
- a. As root, enter:

```
# cd
# umount themountpoint
```

Where *themountpoint* is the directory on the local system on which you mounted the CD-ROM. For example, if you mounted the CD-ROM on the local directory /cdrom, enter **umount / cdrom**:

Or

- a. As root, start SMIT by entering **smitt**.
- b. Select **System Storage Management**.
- c. Select **File Systems**.
- d. Select **Unmount a File System**.
- e. Enter the mountpoint in the Name of the file system to unmount field.

- f. Click **OK**.
- Step 2 Remove the CD-ROM and store it in a safe place.
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Unmounting a Remote CD-ROM Drive

To unmount a remote CD-ROM drive:

- Step 1 As root, start SMIT at the remote machine by entering **smit**.
- Step 2 Select **System Storage Management (Physical & Local Storage)**.
- Step 3 Select **File Systems**.
- Step 4 Select **Add/Change/Show/Delete File Systems**.
- Step 5 Select **Network File System (NFS)**.
- Step 6 Select **Network File System (NFS)** again.
- Step 7 Select **Remove a Directory from Exports List**.
- Step 8 Enter the CD-ROM mount point directory (such as `/cdrom`) in the **PATHNAME of exported directory to be removed** field and click **OK**.
- Step 9 As root, enter the following commands on the remote and local machines:

```
# cd  
# umount themountpoint
```

Where *themountpoint* is the directory on the system on which you mounted the CD-ROM. For example, if you mounted the CD-ROM on the directory `/cdrom` on both the local and remote systems, enter **umount /cdrom** on both machines:



Note Alternatively, you can use SMIT to unmount the CD-ROM filesystem on the local machine as explained in the “Unmounting a Local CD-ROM Drive” section.

Step 10 Remove the CD-ROM and store it in a safe place.
