

Network Management Support CD Instructions

This CD-ROM contains the latest Cisco network management device and application support files. These files are organized into product packages and provide up-to-date management support for the latest Cisco devices.

For all platforms, follow the instructions to mount and then refer to the software installation instructions located on the CD-ROM in a README file. There will be README files for each platform/product. If you are using a PC, mounting is unnecessary, so skip directly to the PC README file for instructions.

For information on what Cisco device packages are included on this CD-ROM, refer to the *README_FIRST* file. For information on installing Cisco device packages for use with CiscoView, refer to the *cvinstall_README* file for your platform.

For the latest device support, refer to the Software Library area on Cisco Connection Online (CCO) at http://www.cisco.com/kobayashi/Library_root.shtml.

The following instructions describe mounting information for this CD-ROM from either a local or a remote machine. Included are procedures for mounting on SunOS, Solaris, HP-UX (Versions 9.x and 10.x), and AIX. Windows 95 and Windows NT do not require special mounting instructions. Skip directly to the Windows README file.

Mounting on a SunOS Workstation

This section describes mounting the support CD-ROM on a SunOS 4.1.x system.

Mounting from a Local CD-ROM Drive

Insert the support CD-ROM disk into the CD-ROM drive; then perform the following steps:

- 1** Become the superuser by entering **su** and the root password at the command prompt, or log in as **root**. The command prompt changes to the pound sign (#).
- 2** If the */cdrom* directory does not already exist, enter the following command to create it:

```
# mkdir /cdrom
```

- 3 Mount the CD-ROM drive by entering the following command:

```
# /etc/mount -rt hsfs /dev/device_name /cdrom
```

The **-r** option mounts the CD-ROM drive in read-only mode, and the **-t** option indicates the type of file system, where **hsfs** specifies a file system with an ISO 9660 standard or High Sierra standard with Rock Ridge extensions. The *device_name* argument specifies the device that you mount, usually *sr0*. If you do not use these options, media error messages may appear on the console.

To install CiscoView packages, follow the instructions in the *cvinstall_sun_README* file located on the CD.

Mounting from a Remote CD-ROM Drive

Insert the support CD-ROM into the CD-ROM drive; then perform the following steps on the remote machine:

- 1 Become the superuser by entering **su** and the root password at the command prompt, or log in as **root**. The command prompt changes to the pound sign (#).
- 2 Use a text editor to create an */etc/exports* file, if one does not exist.

- 3 Add the following line to the */etc/exports* file:

```
/cdrom -ro
```

- 4 Ensure that your workstation is enabled as an NFS server, as follows:

Verify NFS server status with the following command:

```
# ps -ax | grep nfsd | grep -v grep
```

Both *nfsd* and *rpc.mountd* daemons must be running for a workstation to be an NFS server. If no *nfsd* daemons are running, start some with the following command:

```
# nfsd 8 &
```

Verify *rpc.mountd* daemon status with the following command:

```
# ps -ax | grep rpc.mountd | grep -v grep
```

If no *rpc.mountd* daemon is running, start one with the following command:

```
# /usr/etc/rpc.mountd -n
```

5 To mount the CD-ROM drive, enter the following command:

```
# /etc/mount -rt hfs /dev/device_name /cdrom
```

6 Run **exportfs -a** with the following command:

```
# exportfs -a
```

7 Go to the local machine.

8 Become the superuser by entering **su** and the root password.

9 Create a */cdrom* directory, if one does not already exist, by entering the following command:

```
# mkdir /cdrom
```

10 To mount the CD-ROM drive, enter the following command:

```
# /etc/mount -r remote_machine_name:/cdrom /cdrom
```

To install CiscoView packages, follow the instructions in the *cvinstall_sun_README* file located on the CD.

Mounting on Sun/Solaris

This section describes mounting the support CD-ROM on a Sun/Solaris 2.4 or 2.5 system.

Mounting from a Local CD-ROM Drive

Insert the support CD-ROM disk into the CD-ROM drive; then perform the following steps:

- 1 Become the superuser by entering **su** and the root password at the command prompt, or log in as **root**. The command prompt changes to the pound sign (#).
- 2 If the `/cdrom` directory does not already exist, enter the following command to create it:

```
# mkdir /cdrom
```

- 3 Mount the CD-ROM drive.

The *vold* daemon manages the CD-ROM device and performs the mounting. The CD-ROM may 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 disk. If the `/cdrom/cdrom0` directory is empty because the CD was not

mounted, or if File Manager did not open a window displaying the contents of the CD-ROM disk, verify if the *vold* daemon is running by entering the following command:

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

If the system does not display anything, enter the following command:

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

If the vold daemon is running but did not mount the CD, stop the daemon process and then restart it.

```
# kill -15 process_ID_number  
# /usr/sbin/vold &
```

To install CiscoView packages, follow the instructions in the *cvinstall_sol_README* file located on the CD.

Mounting from a Remote CD-ROM Drive

Insert the support CD-ROM disk into the CD-ROM drive; then perform steps 1 through 6 on the remote machine.

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

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

```
# mkdir /cdrom
```

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

4 Ensure that your workstation is enabled as an NFS server, as follows:

Verify NFS server status with the following command:

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

If your machine is enabled as an NFS server, the following daemons should be running: */usr/lib/nfs/nfsd* and */usr/lib/nfs/mountd*.

If these daemons are not running, enable your machine as an NFS server with the following command:

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

- 5 Add the following line to the */etc/dfs/dfstab* file:

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

- 6 Mount the CD-ROM drive.

The *vold* daemon manages the CD-ROM device and performs the mounting. The CD-ROM may 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 disk. If the */cdrom/cdrom0* directory is empty because the CD was not mounted, or if File Manager did not open a window displaying the contents of the CD-ROM disk, verify if the *vold* daemon is running by entering the following command:

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

If the system does not display anything, enter the following command:

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

If the vold daemon is running but did not mount the CD, stop the daemon process and then restart it.

```
# kill -15 process_ID_number  
# /usr/sbin/vold &
```

7 Go to the local machine.

8 Become the superuser by entering **su** and the root password.

9 Create a */cdrom* directory, if one does not already exist, by entering the following command:

```
# mkdir -p /cdrom/cv
```

10 To mount the CD-ROM drive, enter the following command:

```
# /usr/sbin/mount -r  
remote_machinename:/cdrom/cdrom0 /cdrom/cv
```

By default, CiscoView is installed in */opt/CSCOcv*.

To install CiscoView packages, follow the instructions in the *cvinstall_sol_README* file located on the CD.

Mounting on HP-UX

This section describes mounting the support CD-ROM on HP-UX 9.0x or 10.X systems.

Mounting from a Local CD-ROM Drive

Insert the support CD-ROM disk into the CD-ROM drive; then perform the following steps:

- 1 Become the superuser by entering **su** and the root password at the command prompt, or log in as **root**. The command prompt changes to the pound sign (#).
- 2 If the */cdrom* directory does not already exist, enter the following command to create it:

```
# mkdir /cdrom
```

- 3 Mount the CD-ROM drive by entering one of the following commands:

On HP-UX 9.x:

```
# /etc/mount -rt cdfs -o ro /dev/dsk/device_name  
/cdrom
```

On HP-UX 10.x:

```
# /usr/sbin/mount -rt cdfs /dev/dsk/device_name  
/cdrom
```

An example of a device name on HP-UX 9.x is */dev/dsk/c201d2s0*, on HP-UX 10.x is *dev/dsk/c0t3d0*.

The **-r** option mounts the CD-ROM in read-only mode. The **-t** option indicates the type of file system, where **cdfs** specifies a file system with an ISO 9660 standard or High Sierra standard with Rock Ridge extensions. *device_name* is the device that you mount, usually *dsk/c201d5s0*. If you do not use these options, media error messages may appear on the console.

To install CiscoView packages, follow the instructions in the *cvinstall_hpux_README* file located on the CD.

Mounting from a Remote CD-ROM Drive

Insert the support CD-ROM disk into the CD-ROM drive; then perform steps 1 through 7 on the remote machine.

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

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

```
# mkdir /cdrom
```

- 3 Use a text editor to create an */etc/exports* file, if one does not exist.
- 4 Add the following line to the */etc/exports* file:

```
/cdrom -ro
```

- 5 Ensure that your workstation is enabled as an NFS server, as follows:

Verify NFS server status with the following command. Both *nfsd* and *rpc.mountd* daemons must be running for a workstation to be an NFS server.

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

If no *nfsd* daemons are running, start some with one the following commands:

On HP-UX 9.x:

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

On HP-UX 10.x:

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

Verify *rpc.mountd* daemon status with the following command:

```
# ps -e | grep rpc.mountd | grep -v grep
```

If no *rpc.mountd* daemon is running, start one with one of the following commands:

On HP-UX 9.x:

```
# /usr/etc/rpc.mountd -n
```

On HP-UX 10.x:

```
# /usr/sbin/rpc.mountd -n
```

- 6 Mount the CD-ROM drive by entering one of the following commands:

On HP-UX 9.x:

```
# /etc/mount -rt cdfs -o ro /dev/dsk/device_name  
/cdrom
```

On HP-UX 10.x:

```
# /usr/sbin/mount -rt cdfs /dev/dsk/device_name  
/cdrom
```

An example of a device name on HP-UX 9.x is */dev/dsk/c201d2s0*, on HP-UX 10.x is *dev/dsk/c0t3d0*.

7 Run **exportfs -a** with the following command:

On HP-UX 9.x:

```
# /usr/etc/exportfs -a
```

On HP-UX 10.x:

```
# /usr/sbin/exportfs -a
```

8 Go to the local machine.

9 Become the superuser by entering **su** and the root password.

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

```
# mkdir /cdrom
```

11 Mount the CD-ROM drive by entering one of the following commands:

On HP-UX 9.x:

```
# /etc/mount -r remote_machine_name:filesystem  
/cdrom
```

On HP-UX 10.x:

```
# /usr/sbin/mount remote_machine_name:filesystem  
/cdrom
```

To install CiscoView packages, follow the instructions in the *cvinstall_hpux_README* file located on the CD.

Mounting on AIX

This section describes how to mount the CD-ROM on AIX systems.

Mounting from a Local CD-ROM Drive

Insert the support CD-ROM disk into the CD-ROM drive; then perform the following steps:

- 1 Become the superuser by entering **su** and the root password at the command prompt, or log in as **root**.
- 2 Start SMIT by entering **smit** at the command prompt.
- 3 From the System Management menu, select **Physical & Logical Storage**.
- 4 Select **File Systems**.
- 5 Select **Add/Change/Show Delete File Systems**.
- 6 Select **CDROM File Systems**.
- 7 Select **Add a CDROM File System**.
- 8 Click the “DEVICE name” **List** button and select the device name from the list that appears.

- 9 Enter the name of a mount point directory (such as */cdrom*) in the “Mount point” field.
 - 10 Click **Do** and read the output.
 - 11 Click **Done** and terminate SMIT by pressing **F12**.
 - 12 Mount your filesystem by entering **smit mountfs** at the command prompt.
 - 13 Click the “FILE SYSTEM name” **List** button and select a device name from the list that appears.
 - 14 In the “DIRECTORY over which to mount” field, enter the name of a mount point directory (such as */cdrom*).
 - 15 Click the “TYPE of file system” **List** button and select **cdarfs** as the file system type.
 - 16 Set the Mount as Read-Only System field to **yes**.
 - 17 Click **Do** and read the output.
 - 18 Click **Done** and terminate SMIT by pressing **F12**.
- To install CiscoView packages, follow the instructions in the *cvinstall_aix_README* file located on the CD.

Mounting from a Remote CD-ROM Drive

Insert the support CD-ROM disk into the CD-ROM drive; then perform the following steps on the remote machine:

- 1** Perform Steps 1 through 18 from the previous section, “Mounting from a Local CD-ROM Drive.”
- 2** Enter **smit mknfsexp** at the command prompt.
- 3** Enter the “PATHNAME of directory to export” (such as */cdrom*).
- 4** Use the arrow keys to change the Mode to Export Directory field to **read-only**.
- 5** Enter the appropriate information, if necessary, into the other fields.
- 6** Click **Do**, read the output, then click **Done**.
- 7** Terminate SMIT by pressing **F12**.
- 8** On the local system, log in as the **root** user.
- 9** On the local system, enter **mount remote_hostname: remote_exported_filesystem/name local_mount_point**.

To install CiscoView packages, follow the instructions in the *cvinstall_aix_README* file located on the CD.

Unmounting the CD-ROM

To unmount the CD-ROM from your SunOS, HP-UX, or AIX machine, perform the following steps. Solaris does not require unmounting.

- 1 To unmount the CD-ROM drive enter the following commands as superuser.

For SunOS or HP-UX:

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

For Sun/Solaris:

```
# umount /cdrom (for a remote CD)  
OR  
# umount /cdrom/./cdrom0 (for a local CD)
```

- 2 To eject the CD-ROM disk, either press the eject button on the CD-ROM drive (HP machines), or type:

For SunOS or HP-UX:

```
# eject /cdrom
```

For Sun/Solaris:

```
# eject
```

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

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