

AtmDirector Installation Instructions

This booklet provides instructions on installing the AtmDirector™ CD-ROM from either a local or a remote machine. Also included is a step-by-step procedure for installing the AtmDirector software.

Note Perform all tasks as the superuser.

Installing from a Local CD-ROM

To install the CD-ROM from a local CD-ROM drive, perform the following steps:

- 1 Log in as the superuser by entering **su** and the root password.
- 2 Create a */cdrom* directory, if one does not exist, by entering the following command:

```
# mkdir /cdrom
```

If the */cdrom* directory already exists, proceed to the next step.

- 3 Place the CDROM in its caddy and insert it into the CD-ROM drive.

The CD is automatically mounted onto the */cdrom* directory. If you are running File Manager, a separate File Manager window displays the contents of the CD-ROM. If the */cdrom* 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, check 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 &
```

The *vold* daemon manages the CD-ROM device and performs the mounting.

Installing from a Remote CD-ROM

To install the CD-ROM from a remote CD-ROM drive, perform the following steps on the *remote* machine:

- 1 Log in as the superuser by entering **su** and the root password.

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

```
# mkdir /cdrom
```

If the */cdrom* directory already exists, proceed to the next step.

- 3 Place the CD-ROM in its caddy and insert it into the CD-ROM drive.
- 4 Use a text editor to create an */etc/dfs/dfstab* file on Solaris, if one does not exist.
- 5 Add the following line to the */etc/dfs/dfstab* file:

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

- 6 Ensure that your workstation is enabled as an NFS server. To do so, first check the status of your NFS server by entering 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
```

The CD is automatically mounted onto the */cdrom* directory. If you are running File Manager, a separate File Manager window displays the contents of the CD-ROM. If the */cdrom* 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, check 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 &
```

The *vold* daemon manages the CD-ROM device and performs the mounting.

- 7 Go to the *local* machine.

8 Become the superuser by entering the following command:

```
% su root
```

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

```
# mkdir /cdrom
```

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

```
# /usr/sbin/mount remote_machinename:/cdrom /cdrom
```

Installing AtmDirector

To install the AtmDirector software, perform the following steps:

Note You can terminate the installation at any time by answering **q** to a system prompt. To return to the previous question at any time, enter **^**.

1 Install the Cisco Sybase package by entering the following command:

```
# pkgadd -d /cdrom/cdrom0 CSCOsyb
```

The Cisco Sybase package is installed in the directory */opt*. If you want to install the package in a different directory, enter the following command:

```
# pkgadd -a none -d /cdrom/cdrom0 CSCOsyb
```

The system prompts you with the following:

```
Do you want to continue with the installation of this
package [y, n?] y
```

2 Enter **y** to continue with the installation.

The system installs the Cisco Sybase package and notifies you of the completion:

```
Installation of <CSCOsyb> was successful.
```

You are then prompted with the following notice:

```
***IMPORTANT NOTICE***
This machine must now be rebooted to ensure sane
operation. Execute
shutdown -y -i6 -g0
and wait for the "Console Login:" prompt.
```

- 3 Reboot your system by entering the following command:

```
shutdown -y -i6 -g0
```

- 4 Log in to your system.

- 5 Become the superuser by entering the following command:

```
% su root
```

- 6 Install the Cisco AtmDirector package by entering the following command:

```
# pkgadd -d /cdrom/cdrom0 CSC0atmd
```

You are prompted to enter the Sybase home directory:

```
Enter the home directory of Sybase? [/opt/CSC0syb]  
/opt/CSC0syb
```

- 7 Press the Return key to accept the default location of */opt/CSC0syb*. If you installed Sybase in an alternate location (using the **—a none** option), enter that location.

The Cisco AtmDirector package is installed in the specified directory. The following additional values are used, by default, for this install:

```
AtmDirector UDP port: 5889
AtmDirector log file /opt/CSCOatmd/data/log/logfile
Sybase data server: CW_SYBASE
Sybase backup server: CW_BACKUP_SERVER
```

Note You can accept these standard values and proceed with the installation, or you can customize one or more values when prompted.

8 Answer **y** to install AtmDirector with the specified values.

The system displays the location where AtmDirector will be installed and the values you have chosen for this installation.

If you answer **n**, the system prompts you with a series of questions for each value and then prompts you again:

```
Do you want to continue with the installation of this
package [y, n?] y
```

9 Answer **y** to continue with the installation of AtmDirector.

The system installs the AtmDirector package and notifies you of the completion:

```
Installation of <CSCOatmd> was successful.
```


10 To configure the Sybase database for AtmDirector, run the database setup script by entering the following command:

```
# /opt/CSCOatmd/etc/atmd_setupdb
```

Note If you installed AtmDirector in a directory other than *CSCOatmd*, enter that directory name.

The sytem prompts you with the following:

```
Do you wish to configure Sybase? y
```

11 Answer **y** to configure Sybase.

You are prompted to enter and then reenter the system administrator password for the configured Sybase data server:

```
Enter the Sybase 'sa' password?  
Reenter the password to verify?
```

12 Enter the system administrator password.

You are prompted to enter the size of the database:

```
Enter the database size in MB.
```

- 13** Enter the size of the database. You may use the following guidelines to choose a size:

For a network of 0-50 nodes, enter 20.

For a network of 50-200 nodes, specify 50.

For a network of over 200 nodes, specify 75.

The system creates a new Sybase physical device that will be used to store data for AtmDirector. This can either be a regular file or a raw partition. If you wish to enlarge the database at a later time, refer to the *AtmDirector Getting Started Guide*.

You are prompted to enter the database filename:

Enter the database filename.

- 14** Enter the database filename, or press the Return key to accept the default value. The default is */opt/CSCOsymb/data/atmd_datadevice*.

You are prompted to enter the log filename:

Enter the log filename.

- 15** Enter the log filename or press the Return key to accept the default value. The default is */opt/CSCOsymb/data/atmd_logdevice*.

The system runs the database setup script. The following additional values are used, by default, for configuring Sybase:

```
AtmDirector log size: 12
Data server TCP port: 5988
Backup server TCP port: 6088
Master database device:
/opt/CSCOsymb/data/atmd_master
Master database size: 17
Sybsysprocs device:
opt/CSCOsymb/data/atmd_sybsysprocs
Sybsysprocs size: 14
Temp database device:
/opt/CSCOsymb/data/atmd_tempdevice
Temp database size: 20
```

Note You can accept these standard values and proceed with the setup, or you may customize one or more values when prompted.

16 Answer **y** to run the setup script with the specified values.

If you answer **n**, the system prompts you with a series of questions for each value.

17 Answer **y** to run the setup script.

The system runs the setup script and notifies you of the completion:

```
atmd_setupdb successfully completed!
```

18 Log in to your system.

19 Bring up your window manager.

20 Open an xterm window.

21 Become the superuser by entering the following command:

```
% su root
```

22 Enter the following command to start the AtmDirector daemons:

```
# /opt/CSCOatmd/etc/atmd_startup
```

Note If you installed AtmDirector in a directory other than *CSCOatmd*, enter that directory name.

23 Exit from your system to become a regular user.

24 Change directory by entering the following command:

```
% cd /opt/CSCOatmd/bin
```

Note If you installed AtmDirector in a directory other than *CSCOatmd*, enter that directory name.

25 Enter the following command to start AtmDirector:

```
% atmdirector
```

The system displays the AtmDirector main window. Select **Options>Global Options** and fill in the seed IP Address to start Discovery. For further information, refer to the *AtmDirector Getting Started Guide* and the online help that ships with the product.

Note Installation log files are located in the */opt/CSCOatmd/data/log* directory.

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