

# Upgrading to Solaris 2.5.1 and HP OpenView 4.11

*Ascend Communications, Inc.*

Product Code: 80045  
Revision 00  
February 1997

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# About This Guide

This guide describes software installation instructions for upgrading Solaris 2.4 to 2.5.1 and HP OpenView 3.3.1 to 4.11. The *Upgrading to Solaris 2.5.1 and HP OpenView 4.11 Guide* is a task-oriented guide that describes, step-by-step, the upgrade process, installation scripts, and related tasks. This guide is intended for the system administrator who is responsible for the installation and setup of the Network Management Station (NMS) and for customers who need to upgrade their current network management software.

## What You Need to Know

As a reader of this guide, you should be familiar with basic UNIX operating-system commands and know how to use a mouse. This guide assumes that you have installed the Cascade switch hardware. Refer to the appropriate hardware installation guides for more information:

- *STDX 6000 Hardware Installation Guide*
- *Cascade B-STDX 8000/9000 Hardware Installation Guide*

# How to Use This Guide

Before you read this guide, read the Software Release Notice (SRN) that accompanies the software. This section highlights the chapters and contents in this guide.

Read	To Learn About
Chapter 1	Installation prerequisites, system, hardware, and software requirements.
Chapter 2	Upgrading to Solaris 2.5.1.
Chapter 3	Preparing for the HP OpenView 4.11 Upgrade.
Chapter 4	Upgrading to HP OpenView 4.11.
Appendix A	IP Discovery.

## Related Documents

This section lists the related Cascade and third-party documentation that may be useful to reference.

### Cascade

- *SYBASE 11 SQL Server Upgrade Guide* (Product Code: 80040)
- *Network Configuration Guide for B-STDX/STDX* (Product Code: 80017)
- *Diagnostic and Troubleshooting Guide for B-STDX/STDX* (Product Code: 80018)
- *Bulk Statistics Collector for B-STDX/STDX* (Product Code: 80032)
- *STDX 6000 Hardware Installation Guide* (Product Code: 80006)
- *Cascade B-STDX 8000/9000 Hardware Installation Guide* (Product Code: 80005)
- *Cascade Networking Services Technology Overview* (Product Code: 80001)
- *Customer Network Management User's Guide* (Product Code: 80016)

- *NMS Provisioning Server User's Guide* (Product Code: 80023)

## Third Party

- *Solaris 2.4 System Configuration and Installation Guide*
- *Solaris 2.5.1 System Configuration and Installation Guide*
- *HP OpenView 4.11 Network Node Manager Documentation Set*
- *SYBASE SQL Server Reference Manual: Volumes 1 and 2*
- *SYBASE SQL Server System Administration Guide*

## Customer Comments

Customer comments are welcome. Please fill out the Customer Comment Form located at the back of this guide and return it to us.

## Terminology

HP OpenView Network Node Manager, Version 4.11 is referred to as *HP OpenView 4.11* throughout this manual.

Sun Microsystems, Inc. SunSoft Solaris, Version 2.5.1 is referred to as *Solaris 2.5.1* in this manual.

# Conventions

This guide uses the following conventions to emphasize certain information, such as user input, screen prompts and output, and menu selections. For example:

Convention	Indicates	Example
<b>Courier Bold</b>	User input on a separate line.	<code>eject cdrom</code>
Courier	Screen or system output.	Please wait...
<i>[bold italics]</i>	Variable parameters to enter.	<b>[your IP address]</b>
<b>Boldface</b>	User input and screen options in text.	Enter <b>cd install</b>
Menu ⇒ Option	Select an option from the menu.	CascadeView ⇒ Logon
Black border surrounding text	Notes and warnings.	See examples below.
<i>Italics</i>	Book titles, new terms, and emphasized text.	<i>Network Management Station Installation Guide</i>



*Provides helpful suggestions or reference to materials not contained in this manual.*



*Warns the reader to proceed carefully in order to avoid equipment damage or personal harm.*

# 1

## Overview

Solaris 2.5.1 is the operating system on which you install HP OpenView 4.11, the network management software application that runs in conjunction with CascadeView.

This chapter describes the system, software, and hardware requirements for this upgrade.

▶ *Cascade does not require you to upgrade to Solaris 2.5.1.*

# Upgrade Requirements

Before you upgrade to HP OpenView 4.11, do the following:

- Verify `/opt` has at least 70 MB of free space.
- Verify you installed HP OpenView 3.3.1 in `/opt`.
- Back up the SYBASE and HP OpenView databases. For more information on performing backups, refer to Chapter 2 of the *March 1996 CascadeView/UX Network Configuration Guide*.
- Obtain the cluster patch file `2.5.1_Recommended.tar.Z` from Sun (1-800-USA-4SUN) if you are upgrading to Solaris 2.5.1. Chapter 2 describes procedures on installing this file.

If you are not upgrading to Solaris 2.5.1, obtain the cluster patch file `2.4_Recommended.tar.Z`. To install this file, refer to Chapter 2.

## Hardware Requirements

The workstation must be equipped with the following:

- 1/4-inch Tape Drive
- CD-ROM Drive
- SCSI device addresses

Verify that the SCSI device addresses (on the back of each device) are set as follows:

**Table 1-1. SCSI Device Addresses**

SCSI Device	Address
Tape drive	4
First hard disk	0
Second hard disk	1

# Software Requirements

The following software programs must be installed prior to upgrading to Solaris 2.5.1 and HP OpenView 4.11:

**Sun Microsystems SunSoft™ Solaris® 2.4 operating environment** — Includes SunOS™ 5.4 operating system, ONC+™/NFS® networking software, OpenWindows™ Version 3.4 windows environment.

**Motif Window Manager, Version 1.2.4** (Cascade recommends Sun Express Motif 1.2.4) — Runs client applications, such as electronic mail, and enables you to customize your visual display, such as change the position and size of windows.

**SYBASE 11 SQL Server** — A relational database software program used to store database information and provide backup and recovery of database files.



*This guide assumes that you upgraded to SYBASE 11 using Cascade's SYBASE installation scripts. For more information on upgrading to SYBASE 11, refer to the SYBASE 11 SQL Server Upgrade Guide.*

**HP OpenView, Version 3.3.1** — Provides the graphical user interface platform on which CascadeView/UX resides.

*SNMP Management* - Integrates network management and system management applications, providing network management functionality through pull-down menus and dialog boxes.

*Network Node Manager (Optional)* - Provides the alarm-filtering user interface and enables the Event Browser.

**CascadeView 2.0.2.x or Greater** — Provides the Cascade-specific configuration and monitoring tools needed to configure, monitor, and control a Cascade switch network. CascadeView/UX configuration and monitoring tools are fully integrated within the HP OpenView graphical user interface.

# 2

# Upgrading to Solaris 2.5.1

Solaris 2.5.1 is the operating system software you install on the NMS Sun SPARCstation. Although you can follow the installation instructions in the *Solaris SMCC™ Hardware Platform Guide*, this chapter provides the *Cascade-recommended* settings for installing Solaris 2.5.1.

# Upgrading to Solaris 2.5.1

If you are upgrading to Solaris 2.5.1 from Solaris 2.4, follow the instructions in this section. You can also use these procedures if you are upgrading to Solaris 2.5. When you upgrade your system, the new software merges with local modifications of the existing system.



*Before you upgrade your operating-system software, back up the existing system.*

To upgrade to Solaris 2.5.1:

1. Power on the Sun SPARCstation.
2. At the console login prompt, log in as the nms user and enter the appropriate password.
3. Enter the following command to display the IP address and subnet mask that you are currently using:

```
ifconfig le0
```

Make a note of the IP address and subnet mask. You need this information during the upgrade.

4. At the # prompt, enter **init 0** to shut down your system.
5. Verify that the jumper switch, located on the back of the CD-ROM drive, is set to SCSI ID 6.
6. Power on the Sun SPARCstation.
7. When the system comes up, hold down the Stop key and press the **a** key. The system displays the ok prompt.
8. Insert the Solaris 2.5.1 CD into the CD-ROM drive.
9. At the ok prompt, enter **boot cdrom**.

The system boots the operating system from the CD-ROM drive. After several minutes, the system displays the following message:

```
Starting open windows...
```

The Solaris logo appears and the Solaris Install Console window displays the following message:

```
The system is coming up. Please wait.
```

10. At the Solaris Installation Program dialog box, choose Continue.
11. At the Identify This System dialog box, choose Continue.
12. At the Host Name dialog box, enter [**your host name**] (for example, nms01) and choose Continue.
13. At the Network Connectivity dialog box, select Yes and choose Continue.
14. At the Internet Protocol (IP) Address dialog box, enter [**your current IP address**] and choose Continue.
15. At the Confirm Information dialog box, confirm the information displayed. If it is correct, choose Continue. To change any information, choose Change.

The Solaris Install Console window displays the following message:

```
Starting remote procedure call (RPC) services: sysidnis
```

16. At the Name Service dialog box, select None and choose Continue.

 ***If you are running Network Information Services (NIS), consult your System Administrator.***

17. At the Confirm Information dialog box, confirm the information displayed. If it is correct, choose Continue. To change any information, choose Change.
18. At the Subnets dialog box, select Yes to make this system part of a subnet. Choose Continue.
19. At the Netmask dialog box, enter [**your current subnet mask**] and choose Continue.

20. At the Time Zone dialog box, select Geographic region and choose Set.
21. At the Geographic Region dialog box, select a region from the list on the left and a time zone from the list on the right. Choose Continue.
22. At the Date and Time dialog box, accept the default date and time or enter new values. Choose Continue.
23. At the Confirm Information dialog box, confirm the information displayed. If it is correct, choose Continue. To change any information, choose Change.

The Solaris Install Console window displays the following:

```
System Identification is completed.  
Starting Solaris installation program...
```

24. At the Install Solaris Software - Initial dialog box, choose Continue.
25. At the Upgrade System dialog box, choose Upgrade.
26. At the Customize Existing Software dialog box, choose Continue.
27. At the Profile dialog box, choose Begin Upgrade.

The Solaris Install Console window displays various messages, for example:

```
Finding modified files. This may take several minutes.  
Calculating space requirements.  
Space check complete.  
Starting upgrade:  
Removing obsolete packages and saving modified files
```

The upgrade process takes approximately 90 minutes. When the upgrade completes, the Solaris Install Console window displays the following message:

```
After performing any necessary cleanup actions, the system  
should be rebooted.
```

```
#
```

28. At the # prompt, enter **init 6** to reboot the system.
29. Proceed to **“Installing the Solaris 2.5.1 Cluster Patch”**.

# Installing the Solaris 2.5.1 Cluster Patch

You must install the Solaris 2.5.1 cluster patch file *2.5.1\_Recommended.tar.Z* on your system. There are several versions of the *2.5.1\_Recommended.tar.Z* file (*Patch.0*, *Patch.1*, *Patch.2*, *Patch.3*). Select the latest numerical version. For more information on obtaining this file, contact Sun at 1-800-USA-4SUN.



*If you did not upgrade to Solaris 2.5.1 and have a Solaris 2.4 system, you must install the file *2.4\_Recommended.tar.Z* on your system. Use the same procedures below and replace *2.5.1\_Recommended.tar.Z* with *2.4\_Recommended.tar.Z*.*

Perform the following steps to install the Solaris 2.5.1 cluster patch:

1. At the # prompt in a command tool window, enter

```
zcat [/i>path to file]/2.5.1_Recommended.tar.Z | (cd /tmp; tar -xvpf -)
```

where “path to file” is the cluster patch’s location.

Volumes of output appear.

2. When the # prompt appears, enter the following commands:

```
cd /tmp/2.5.1_Recommended/  
./install_cluster
```

After several lines of output, the following message appears:

```
Are you ready to continue with install? [y/n]:
```

3. Enter **y** to continue.
4. When the # prompt appears, reboot the workstation.

# Editing the New Solaris 2.5.1 Inittab File

When you upgrade Solaris 2.4 to Solaris 2.5.1, Solaris loads a new version of the `/etc/inittab` file and renames the existing `/etc/inittab` file. As part of the CascadeView/UX installation, you added a line to the `inittab` file so that the system would invoke the Cascade tftp daemon to listen to the default tftp port for requests rather than using `inetd`. You must edit the new version of the `inittab` file to include the line that invokes the Cascade tftp daemon.

Use the following steps to add the line to `inittab`:

1. Type the following command:

```
vi /etc/inittab <Return>
```

2. While holding down the Shift key, type `$G` to go to the end of the file.
3. While holding down the Shift key, type `A` and press Return to append a line onto the file.
4. Add the following line to the end of the file:

```
tf:3:respawn:/opt/CascadeView/bin/tftpserv > /dev/null 2>&1
```

These commands invoke the Cascade tftp daemon to listen to the default tftp port for requests, rather than using `inetd`. No tracing is enabled.

5. Press the Escape key.
6. Type `:wq!` <Return>
7. At the `#` prompt, type the following command:

```
init 0 <Return>
```

This command instructs the system to read the inittab file. The system then starts the Cascade tftp daemon.



*You cannot retrieve and display trace and status information if you use Sun Microsystem's tftp daemon. If you use Sun Microsystem's tftp daemon, configure it to run with the command: `in.tftpd/tfpboot`. Do not run TFTP in secure mode (with the `-s` option) or switch-download and configuration-sync operations will fail. Cascade does not support Sun Microsystem's tftp daemon on the STDX 3000/6000 switches.*

# Setting Up the System for HP OpenView 4.11

Cascade provides an installation script (`install_cvux`) that:

- Sets up the system
- Upgrades HP OpenView 3.3.1 to 4.11

When you run the `install_cvux` script the first time, the script sets up the system by adding semaphores to the `/etc/systems` file. A semaphore is an interprocess communication signal that indicates the status of a shared system resource, such as shared memory. The upgrade encounters problems if you do not add semaphores to the `/etc/systems` file. After the script updates this file, reboot the workstation.



*Before you upgrade to HP OpenView 4.11, you must back up the SYBASE and HP OpenView databases. For information on backups, refer to Chapter 2 of the March 1996 CascadeView/UX Network Configuration Guide.*

# Setting Up the System Prior to Upgrade

This section requires you to:

- Load the Cascade-supplied HP OpenView media
- Extract the installation script from the media
- Run the installation script
- Verify `/opt` file system has 70 MB of free space (the installation script exits if you do not have this space)

To set up the system:

1. At the console login, log in as root by entering **root**. When prompted, enter `[root password]`.

If you are logging in in a command tool window, at the # prompt enter **su - root**. When prompted, enter `[root password]`. Proceed to **Step 3**.

 *If you are logged in via a remote connection (rlogin/rsh/telnet), set your DISPLAY variable to the appropriate value. To do this, enter the command:*

```
DISPLAY=[enter local hostname]:0.0
export DISPLAY
```

*(This example uses the Korn shell syntax.)*

*In addition, in a new command tool window on the local system, run **xhost +** as the user who controls the system console. Executing this command enables you to open the window that displays the installation log.*

2. At the # prompt, start OpenWindows by entering

```
/usr/openwin/bin/openwin
```

3. Insert the Cascade-supplied HP OpenView media into the media drive and close the latch.

4. In the command tool window, enter

```
cd /opt
```

5. To extract the scripts from the media, enter

```
tar -xvf [media device pathname] cv_scripts
```

6. Change to the scripts directory by entering

```
cd cv_scripts
```

7. Run the HP OpenView installation script by entering

```
./install_cvux
```

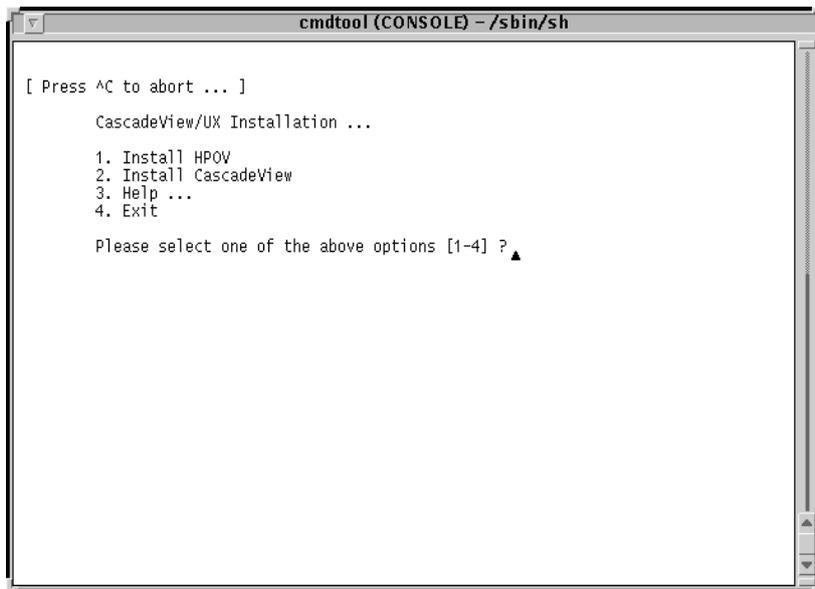


*The script exits if /opt does not have 70 MB of free space.*

The following message appears:

```
Verifying superuser privileges.....
```

The CascadeView/UX Installation menu appears.



```
cmdtool (CONSOLE) - /sbin/sh

[ Press ^C to abort ... ]

CascadeView/UX Installation ...

1. Install HPOV
2. Install CascadeView
3. Help ...
4. Exit

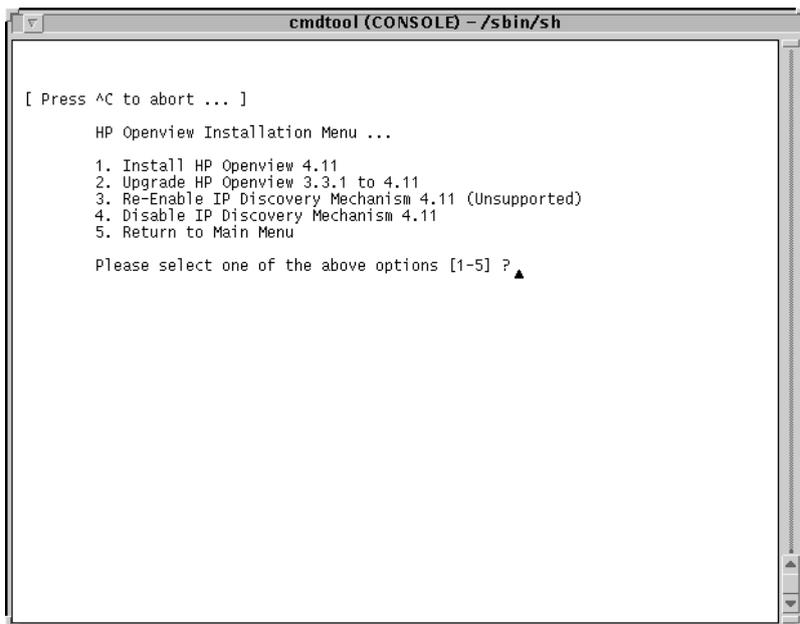
Please select one of the above options [1-4] ? ▲
```

**Figure 3-1. CascadeView/UX Installation Menu**

▶ *Once the `install_cvux` script runs, you can exit the script at any time by typing **<Ctrl> C**. The script cleans any “work in progress.”*

- At the CascadeView/UX Installation menu, enter **1** to view the HP OpenView Installation menu.

The HP OpenView Installation menu appears.



```
cmdtool (CONSOLE) - /sbin/sh

[ Press ^C to abort ... ]

HP Openview Installation Menu ...

1. Install HP Openview 4.11
2. Upgrade HP Openview 3.3.1 to 4.11
3. Re-Enable IP Discovery Mechanism 4.11 (Unsupported)
4. Disable IP Discovery Mechanism 4.11
5. Return to Main Menu

Please select one of the above options [1-5] ? ▲
```

**Figure 3-2. HP OpenView Installation Menu**

9. At the HP OpenView Installation menu, enter **2** to set up the system for upgrade.

*The script does not upgrade to HP OV 4.11 when you select 2. The script simply sets up the system. The script provides this utility only once before the upgrade.*

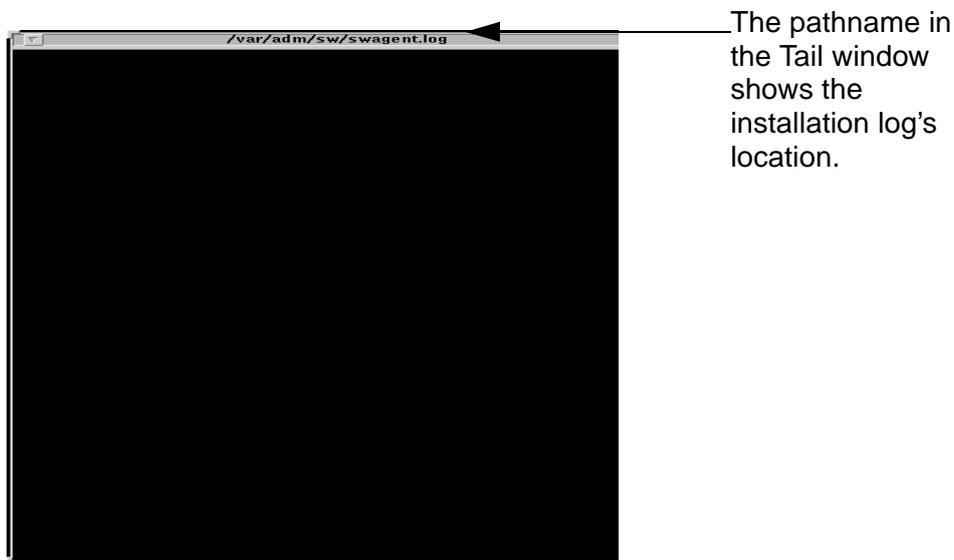
The following message appears:

```
Would you like to view (tail -f) the install log (default=y)?
```

The Tail window allows users to view a log of the installation.

10. Press Return.

The Tail window appears.



The pathname in the Tail window shows the installation log's location.

**Figure 3-3. Tail window**

The system displays the following message:

```
Note: In order to restore back to the original state of your  
HP OpenView installation, it is recommended that you back  
your system up before continuing with this procedure.
```

```
Complete all prerequisites before continuing.
```

```
Do you wish to continue? <y|n> [default=y]:
```

11. Press Return to continue.

The modifications window displays the following message.



```
cmdtool - /sbin/sh

*****
* Modifications have been made to '/etc/system'. For the changes *
* to take effect, you must REBOOT the workstation now. Then    *
* re-run the scripts after the system resumes.                  *
*****

# ▲
```

**Figure 3-4. Modifications Window**

12. At the # prompt, enter **init 6** to reboot the system.

When the system reboots, the SYBASE Server automatically shuts down and restarts. If you installed a two-system configuration, the SYBASE Server is not shut down because SYBASE resides on another system.

The system setup is complete when you see the console login prompt.

13. Proceed to the section Chapter 4, “Installing HP OpenView 4.11”.

# 4

# Upgrading to HP OpenView 4.11

This chapter describes how to:

- Upgrade HP OpenView 3.3.1 to 4.11
- Disable IP Map Discovery
- Verify the installation

In addition, this chapter describes HP OpenView 4.11 backup procedures.

# Installing HP OpenView 4.11

Before you start the upgrade to HP OpenView 4.11, make sure you complete the system setup procedures described in [Chapter 3](#).

To upgrade to HP OpenView 4.11:

1. At the console login, enter **root**. When prompted, enter **[root password]**.
2. Start OpenWindows by entering

```
/usr/openwin/bin/openwin
```

3. In the command tool window, change to the scripts directory by entering

```
cd /opt/cv_scripts
```

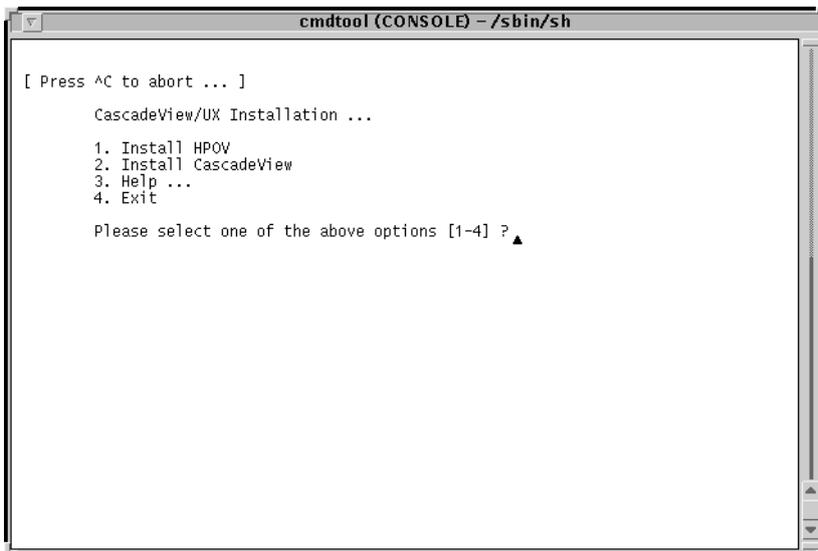
4. Start the HP OpenView installation script by entering

```
./install_cvux
```

The following message appears:

```
Verifying superuser privileges...
```

The CascadeView/UX Installation menu appears.

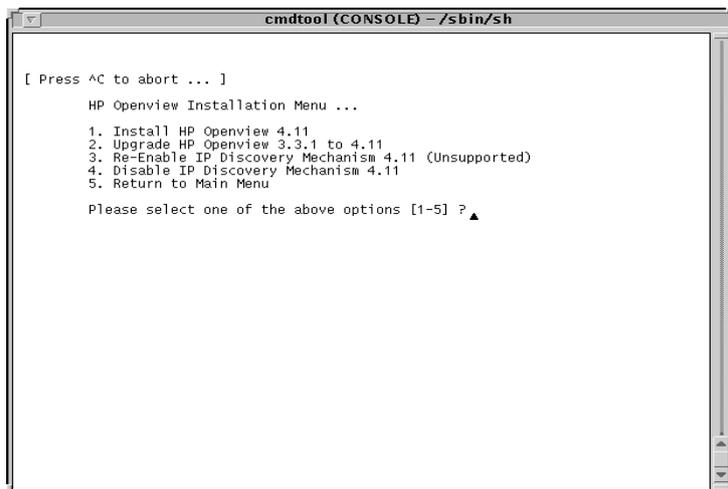


**Figure 4-1. CascadeView/UX Installation Menu**

Once the `install_cvux` script runs, you can exit the script at any time by typing **<Ctrl> C**. The script cleans any “work in progress.”

5. At the CascadeView/UX Installation menu, enter **1** to view the HP OpenView Installation menu.

The HP OpenView Installation menu appears:



**Figure 4-2. HP OpenView Installation Menu**

6. Enter **2** to upgrade HP OpenView 3.3.1 to 4.11.

The following message appears:

```
Would you like to view (tail -f) the install log (default=y)?
```

The Tail window allows users to view a log of the ongoing installation process.

7. Press Return.

The Tail window appears and the system displays:

Note: In order to restore back to the original state of your HP OpenView installation, it is recommended that you back up your system before continuing with this procedure.

Complete all prerequisites before continuing.

```
Do you wish to continue? <y|n> [default=y]:
```

8. Press Return to continue.

The following message appears:

```
Install the media in your device now.  
*****
```

What is the path on the Local Host :

9. Enter [*media pathname*].

The following message appears:

```
[Hit Return to continue with the installation.]
```

10. Press Return.

The following messages appear:

```
Searching for HP OpenView Databases...Done.
```

```
The following languages are supported by software in this  
depot:
```

- 1) English
- 2) Japanese

```
Enter the number corresponding to the preferred language:
```

11. Enter **1**.

The following message appears:

```
You could have purchased either the full or entry NNM  
product. Look at the product name on the Entitlement  
Certificate or the Update Letter that was shipped to you with  
NNM to determine which of the products to choose.
```

- 1) Network Node Manager Full product
- 2) Network Node Manager Entry product

```
Enter the number corresponding to the product you purchased:
```

12. Enter **1 or 2**.

The following message appears:

```
Do you want to install the manpages? (y|n):
```

13. Enter y.

The following messages appear:

```
This installation will put the following software on your system:
```

```
HP OpenView Network Node Manager entry product for Solaris 2.x
```

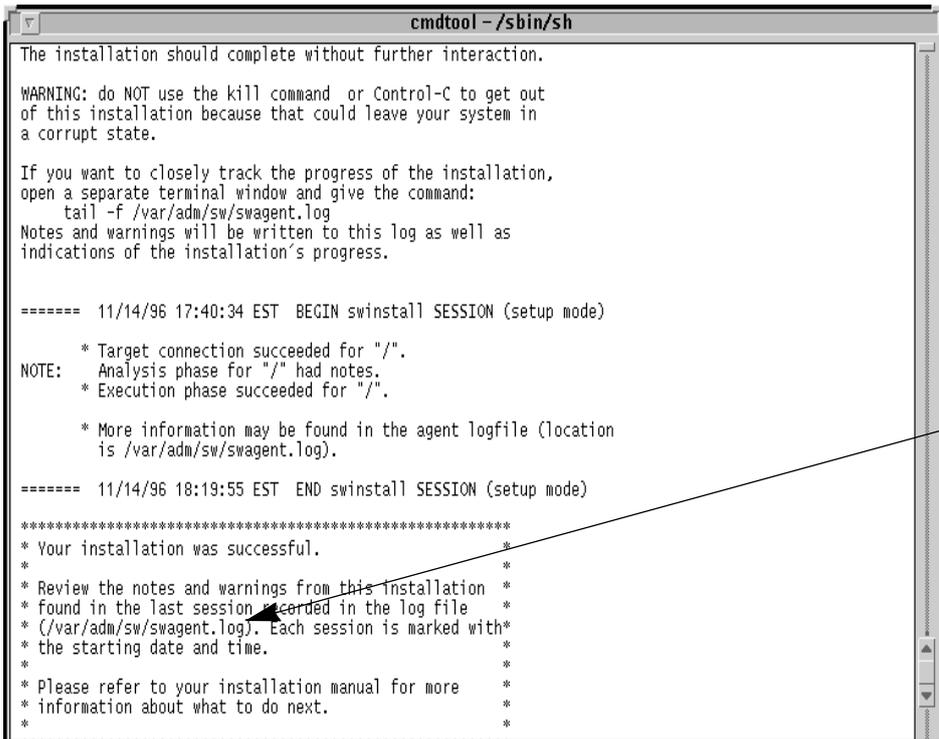
```
HP OpenView Network Node Manager man pages
```

```
There are many factors that can affect the amount of time this installation could take. However, it averages around 30 to 45 minutes.
```

```
Do you want to continue with this installation? (y|n) :
```

14. Enter y to continue. The installation process takes approximately 30 to 45 minutes.

The following messages (shown in **Figure 4-3**) appear during the installation:



```

cmdtool - /sbin/sh
The installation should complete without further interaction.

WARNING: do NOT use the kill command or Control-C to get out
of this installation because that could leave your system in
a corrupt state.

If you want to closely track the progress of the installation,
open a separate terminal window and give the command:
    tail -f /var/adm/sw/swagent.log
Notes and warnings will be written to this log as well as
indications of the installation's progress.

===== 11/14/96 17:40:34 EST BEGIN swinstall SESSION (setup mode)

* Target connection succeeded for "/".
NOTE:  Analysis phase for "/" had notes.
* Execution phase succeeded for "/".

* More information may be found in the agent logfile (location
is /var/adm/sw/swagent.log).

===== 11/14/96 18:19:55 EST END swinstall SESSION (setup mode)

*****
* Your installation was successful.
*
* Review the notes and warnings from this installation
* found in the last session recorded in the log file
* (/var/adm/sw/swagent.log). Each session is marked with*
* the starting date and time.
*
* Please refer to your installation manual for more
* information about what to do next.
*
  
```

Review Installation Log

**Figure 4-3. HP OpenView Installation Messages**

15. Review the log file for installation details.
16. At the “Hit Return to Continue” prompt, press Return.

The following message appears:

```
HP OpenView Network Node Manager Configuration
```

```
*****
```

```
Re-Installing Custom Map Databases...Done.
```

```
Setting up Symbolic Links...Done.
```

```
Re-Installing CascadeView application files...Done.
```

```
Copying HP OpenView configuration files.....Done.
```

```
Setting up CascadeView fields in HP OpenView  
database....Done.
```

```
Loading Cascade trap formats into HP OpenView.....Done.
```

```
Resetting Trap Events...Done.
```

```
Installing the CascadeView trap log daemon...Done.
```

```
Starting the CascadeView trap log daemon...Done.
```

Use 'ovstatus cvtraplogd' to check the status of the daemon.

## Disabling IP Discovery

IP Discovery finds all IP-addressable nodes on your network and creates an object for each discovered node. Cascade switches do not respond to IP Discovery. Therefore the script disables it. Refer to Appendix C, “IP Discovery” for information about this feature.



*Cascade does not support IP Discovery. Enabling this feature severely affects the performance of your NMS Server.*

The screen displays the following:

```
Disabling HP OpenView IP Configuration
*****

Stopping the OV Platform...Done.
Removing netmon...Done.
Removing ovrepld...Done.
Removing ovtopmd...Done.
Removing snmpcollect...Done.
Removing ipmap...Done.
Disabling XNmevents for netmon and snmpCollect...Done.

The disabling of IP Map discovery is complete.

Do you wish to continue? <y|n> [default=y]:
```

1. Press Return to continue.

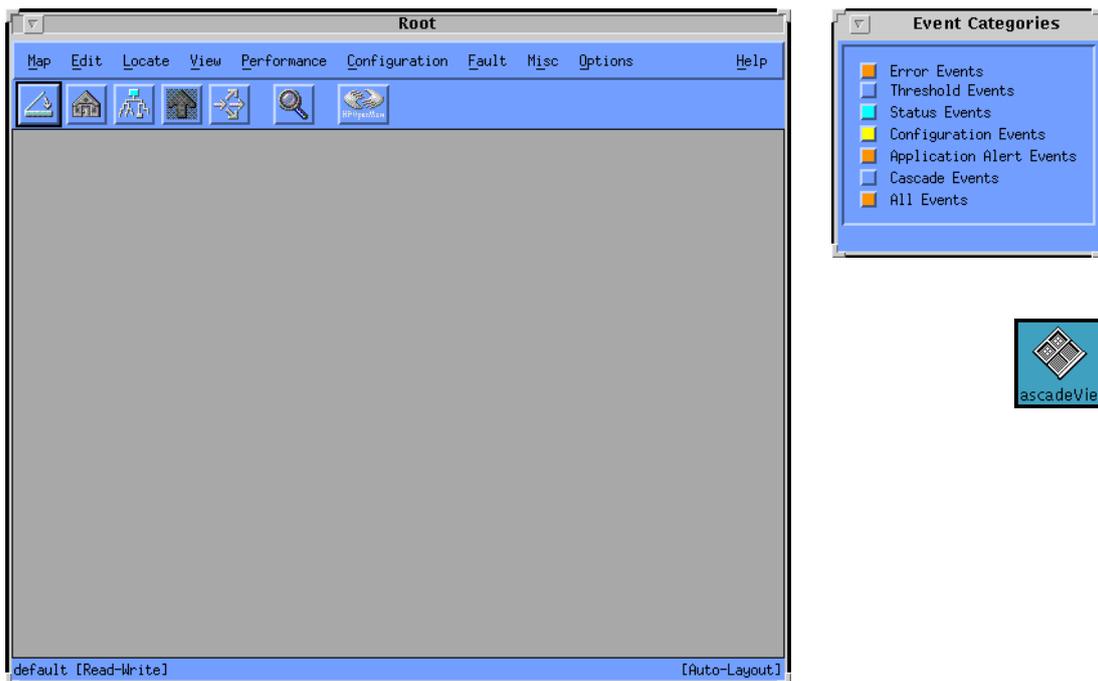
The following message appears:

```
Verifying the HPOV installation
-----
```

The HP OpenView Window and the Events Category dialog box will appear. Choose Map=> Exit from HP OpenView to end the verification.

## Verifying the HP OpenView Installation

The upgrade successfully completes when you see the HP OpenView window, Event Categories window, and CascadeView icon.



**Figure 4-4. HP OpenView 4.11 window and Event Categories Window**

HP OpenView uses certain colors to display windows. If other applications on your system use these colors (e.g. Netscape), the following messages appear.

```

ovw: Xt Warning: Cannot allocate colormap entry for
"#aaaaa6d6d5555"
ovw: Xt Warning: Cannot allocate colormap entry for
"#8d6057"

```

You can ignore these messages.

Complete the installation by performing the following steps:

1. Exit the HP OpenView window and Event Categories window by selecting Map ⇒ Exit.
2. At the OpenView windows WARNING dialog box, choose OK.  
The HP OpenView window and Event Categories window disappears.
3. At the HP OpenView Installation menu, enter **5** to exit.
4. At the CascadeView/UX Installation Menu, enter **4** to exit.

The following message appears:

```
Cleaning up temporary files.....Done.
```

```
Exiting Installation script.
```

5. Close the Tail window by placing the mouse pointer in the window and typing **<Ctrl> c**.  
The upgrade to HP OpenView 4.11 is complete.
6. Review the installation log before reintegrating HP OpenView with CascadeView.
7. Proceed to **“Backing Up HP OpenView Databases”**.

## Backing Up HP OpenView Databases

Use the following procedures to back up HP OpenView databases.

1. Load a tape into the tape drive.
2. Verify you are logged in as root. You should see a # prompt. If you are not logged in as root, enter **su - root**. When prompted, enter **[root password]**.

If you have a two-system configuration, verify you are logged on to the HP OpenView Server.

3. Shut down HP OpenView services by entering

```
/opt/OV/bin/ovstop
```

4. Access the databases directory by entering

```
cd /opt/OV/databases
```

5. Enter the following command to create an archive of the necessary files in OpenView and store them on the tape in */dev/rmt/0m*:

```
tar -cvf /dev/rmt/0m openview/*
```

6. Access the HP OpenView Services directory by entering

```
/opt/OV/bin/ovstart
```

The system then completes the backup procedure.

# A

# IP Discovery

IP Discovery finds all IP-addressable nodes on your network and creates an object for each discovered node.

This appendix describes how to:

- Enable IP Discovery
- Disable IP Discovery

# Enabling IP Discovery

The Cascade script automatically disables IP Discovery during the installation of HP OpenView 4.11. However, if you use HP OpenView to manage an IP network, you can re-enable IP Discovery by performing the following steps:



*Cascade does not support IP Discovery. Re-enabling this feature severely affects the performance of your NMS Server.*

1. Verify you are logged in as root. You should see a # prompt.  
If you are not logged in as root, enter **su - root**. When prompted, enter **[root password]**.
2. Change to the `/opt/cv_scripts` directory by entering  
  
`cd /opt/cv_scripts`
3. Start the Cascade Installation script by entering **./install\_cvux**.
4. At the CascadeView/UX Installation menu, enter **1** to view the HP OpenView Installation menu.
5. At the HP OpenView Installation menu, enter **3** to re-enable IP Discovery.
6. Press Return to view the Tail window.

The following message appears:

```
Cascade does not support the IP discovery mechanism.  
Enabling this feature will severely impact the performance  
of your NMS Server.
```

```
Do you wish to continue? <y|n> [default=y]
```

7. Press Return to continue.

The following message appears:

```
Enabling IP Configuration
*****

Adding netmon...Done.
Adding ovrepld...Done.
Adding ovtopmd...Done.
Adding snmpcollect...Done.
Adding ipmap...Done.
Enabling XNmevents for netmon and snmp collect...Done.
Starting IP Discovery daemons...Done.

The enabling of IP Map discovery is complete.
[Hit return to continue.]
```

8. Press Return to continue.
9. At the HP OpenView Installation menu, enter **5** to go to the CascadeView/UX Installation menu.
10. At the CascadeView/UX Installation menu, enter **4** to exit.

The following message appears:

```
Cleaning up temporary files. Done.

Exiting Installation script.
```

11. Close the Tail window by placing the mouse pointer in the window and typing **<Control> c**.

# Disabling IP Discovery

To disable IP Discovery:

1. Verify you are logged in as root. You should see a # prompt.  
If you are not logged in as root, enter **su - root**. When prompted, enter [**root password**].
2. Change to the `/opt/cv_scripts` directory by entering  
  
`cd /opt/cv_scripts`
3. Start the Cascade Installation script by entering `./install_cvux`.
4. At the CascadeView/UX Installation menu, enter **1** to view the HP OpenView Installation menu.
5. At the HP OpenView Installation menu, enter **4** to disable IP discovery.
6. Press Return to view the Tail window.

The following message appears:

```
Disabling HP OpenView IP Configuration
*****

Stopping the OV Platform...Done.
Removing netmon...Done.
Removing ovrepld...Done.
Removing ovtopmd...Done.
Removing snmpcollect...Done.
Removing ipmap...Done.
Disabling XNmevents for netmon and snmpCollect...Done.

The disabling of IP Map discovery is complete.
[Hit return to continue.]
```

7. Press Return to continue.

The following message appears:

```
Starting the OpenView object database...Done.
Processing field registration entries...Done.
```

8. At the HP OpenView Installation menu, enter **5** to go to the CascadeView/UX Installation Menu.
9. At the CascadeView/UX Installation menu, enter **4** to exit.

The following message appears:

```
Cleaning up temporary files. Done.
```

```
Exiting Installation script.
```

10. Close the Tail window by placing the mouse pointer in the window and typing **<Control> c**.

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