

Part No. 210274-E Rev 0.00
March 2004

4655 Great America Parkway
Santa Clara, CA 95054

Installing Optivity Switch Manager Release 4.0.0.0

210274-E

NORTEL
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About this guide

This guide describes the procedure to install Optivity Switch Manager Release 4.0 on a PC or a Sun* workstation running Solaris* 2.7, 2.8, or 2.9, or SunOS* 5.7, 5.8, or 5.9, or Linux-Kernel version 2.2 and above.

This installation guide contains the following sections:

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Supported devices

Optivity Switch Manager currently supports the Nortel Networks* platforms and software releases described in [Table 1](#).

Table 1 Optivity Switch Manager supported platforms and software releases

Platform	Software release
Passport* 8600, including the following new hardware: 8681XLW module, 8681XLR module, 8616GTE module, 8672ATME MDA, 8608GBM module, 8608GTM module, 8632TXM module, 8648TXM module, 8672ATMM module, 8683POSM module.	3.0, 3.0.x, 3.1.x, 3.2.0, 3.2.0.2, 3.2.1.0, 3.2.2 (OSM 2.0), 3.3 (OSM 3.0), 3.5, 3.7 (OSM 4.0)
Passport 8600 Web Switching Module	WebOS 9.x (OSM 2.0), 10.0.x (OSM 3.0)

Table 1 Optivity Switch Manager supported platforms and software releases (continued)

Platform	Software release
Passport 8300	2.0(OSM 4.0)
Passport 8100	2.0, 2.0.1.1, 3.1.x, 3.2.0, 3.2.0.2, 3.2.1.0, 3.2.2 (OSM 2.0), 3.3 (OSM 3.0)
Passport 1050/1150/1200/1250	2.0.5.6, 2.0.5.7, 2.0.7.2, 2.0.7.3, 2.0.7.4, 2.1.0, 2.1.3 (OSM 2.0, OSM 3.0).
Passport 1424T	2.1 (OSM 3.0)
Passport 1612G, 1624G, 1648T	1.0 (OSM 3.0)
BayStack* 350/410/450	3.0, 3.1, 4.0, 4.1 (OSM 2.0), 4.2,4.3 and 4.4(OSM 3.0)
Business Policy Switch 2000*	1.0 (OSM 1.0), 1.0.1, 1.1, 1.2, 2.x (OSM 2.0), 3.0 (OSM 3.0),3.1(OSM 4.0)
BayStack 380-24 T	2.0, 2.0.,3.0 (OSM 3.0),3.0(OSM 4.0)
BayStack 380-24 F	2.1.0,3.0 (OSM 3.0),3.0(OSM 4.0)
BayStack 420	1.0 OSM 1.0), 1.0.2, 1.1 (OSM 2.0), 1.1.1, 1.1.2,1.1.3,3.0(OSM 3.0),3.0(OSM 4.0)
BayStack 460	2.3, 3.0 (OSM 3.0),3.0(OSM 4.0)
BayStack 470-24 T	2.0,3.0 (OSM 3.0),3.0(OSM 4.0)
BayStack 470-48 T	2.1.0 (only standalone supported); 2.2.0, 2.2.1 (stack also supported), 3.0,3.0(OSM 4.0)
Bay Stack 425-24T	2.0,3.0(OSM 3.0,3.0(OSM 4.0)
Bay Stack 5510	3.0,3.0.0.1(OSM 3.0),3.0(OSM 4.0)
OPtera Metro 1200/1400/1450**	1.0,1.1, 1.2,1.3
Alteon 2208, 2216, 2224, 2424, 3408, 3416	AOS 21.0
WLAN AP devices	1.3
**These devices can be discovered but are not supported.	

In addition, Optivity Switch Manager discovers any device that supports the Bay Networks* Autotopology Discovery protocol. These devices are visible in the Optivity Switch Manager topology map, but you can only configure the devices listed in [Table 1](#).

Operating Systems

Table 2 lists the operating systems supported by the Optivity Switch Manager.

Table 2 Supported operating systems

Operating System	Version
Microsoft Windows*	95, 98, NT, 2000 (Professional), and XP
Unix—Solaris/SunOS	2.7, 2.8, and 2.9/5.7, 5.8, and 5.9
Linux	Kernel version 2.2 and above



Note: An operating system patch may be required for installing the Java Runtime Environment (JRE) for some Solaris/SunOS releases.

What is included on the CD

Your *Optivity Switch Manager Release 4.0 Software* CD contains Optivity Switch Manager Release 4.0 Software for Windows, Solaris, and Linux.



Note: In this release and future releases OSM will be combined with JRE. This release is combined with JRS 1.4.1

Java Device Manager (JDM) is installed as part of the Optivity Switch Manager installation. After installation, Device Manager can be upgraded independently of Optivity Switch Manager.

Before you begin

Before you install Optivity Switch Manager, make sure the following requirements are met:

- If you are installing Optivity Switch Manager on a Sun workstation, you have system administration and super user (root) access permissions.
- If you are installing Optivity Switch Manager on a Sun workstation, your system is up-to-date with the required patches to run the JRE required by Optivity Switch Manager Software Release 4.0.
- Your system meets the RAM and storage requirements listed in [Table 3](#) for Optivity Switch Manager and Device Manager.

Table 3 Minimum RAM and storage requirements

Platform	Requirements
Windows	128 megabytes (MB) of RAM
Windows	300 MB of disk space
Solaris	128 MB of RAM
Solaris	300 MB of disk space
Linux	128 MB of RAM
Linux	300 MB of disk space

In a Solaris environment, you may also need to install system patches.



Note: To ensure proper operation, any Solaris/SunOS patches, if required, must be installed prior to installing Optivity Switch Manager.

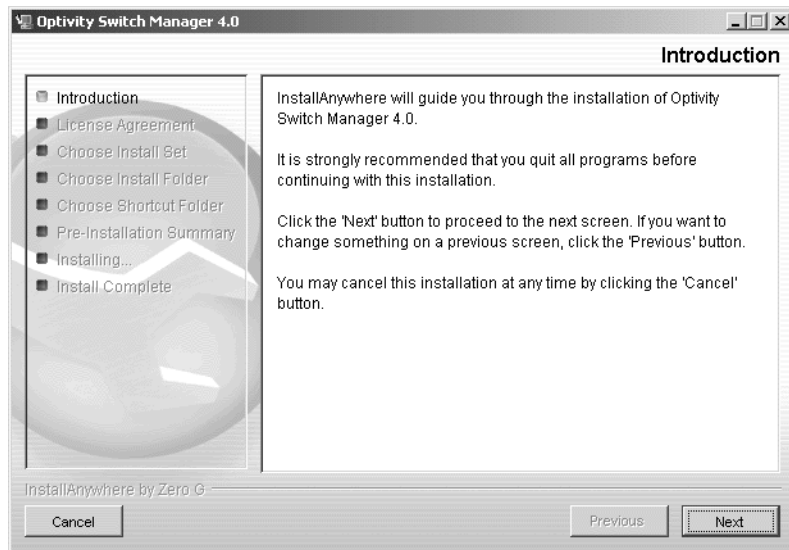
Installing the software in a Windows environment

To install the Optivity Switch Manager software in your windows environment:

- 1 Close all programs.
- 2 **Insert** the *Optivity Switch Manager Release 4.0 Software* CD into your CD-ROM drive.
- 3 From the Windows Start menu, choose **Start > Run**.
The Run dialog box opens.
- 4 Use **Browse** to navigate to the drive where the CD-ROM is located.
- 5 On the CD-ROM drive, **locate** the \OSM_SW\OSM-Windows subdirectory.
- 6 Double-click on the **osm_4000.exe** file.

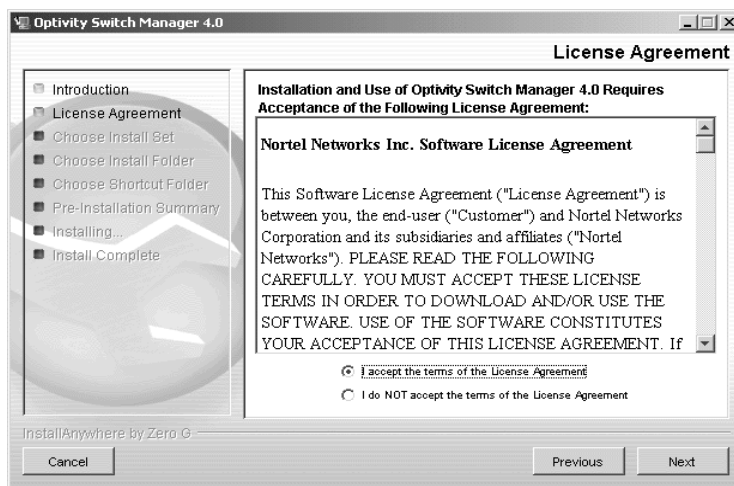
The InstallAnywhere* Introduction dialog box opens (Figure 1).

Figure 1 InstallAnywhere Introduction dialog box



- 7 Click **Next** to continue the installation process.

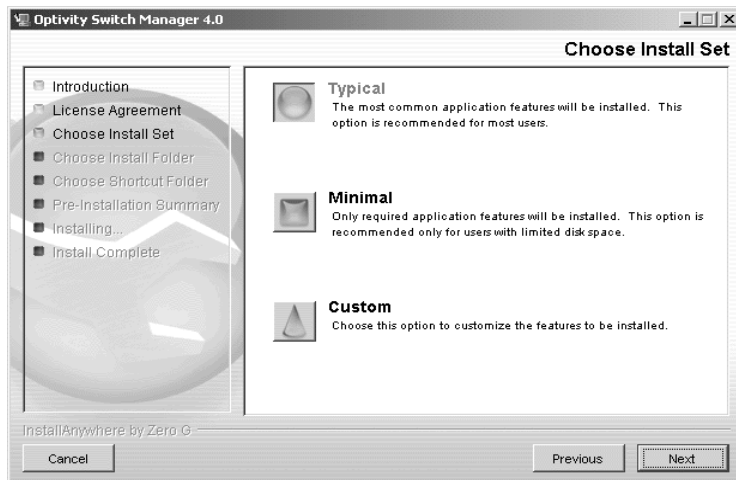
The License Agreement dialog box opens (Figure 2).

Figure 2 License Agreement dialog box

8 Click **I accept the terms of the license agreement** as shown in [Figure 2](#).

9 Click **Next**.

The Choose Install Set dialog box opens ([Figure 3](#)).

Figure 3 Choose Install Set dialog box

10 Do one of the following:

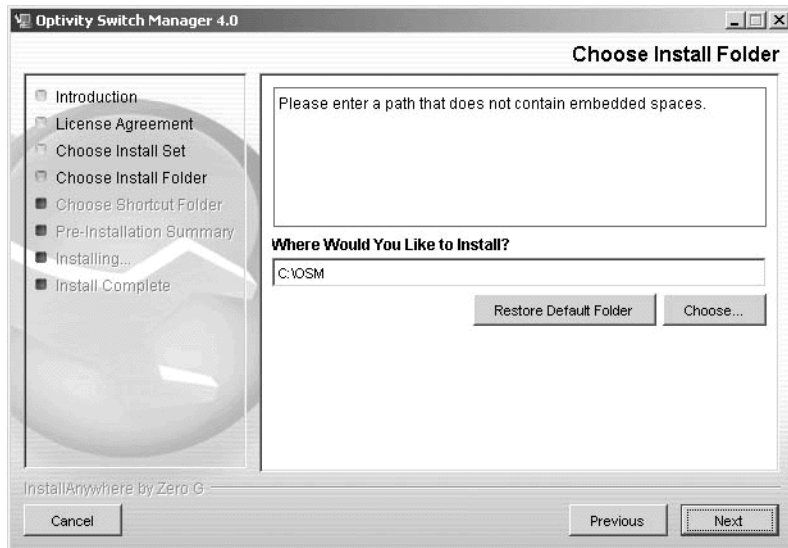
- Select **Typical** installation to install the common set features.

- Select **Minimal** installation to select the features to install (recommended for those with limited disk space).
- Select **Custom** installation to customize the features prior to installation.

11 Click Next.

The Choose Install Folder dialog box opens (Figure 4).

Figure 4 Choose Install Folder dialog box

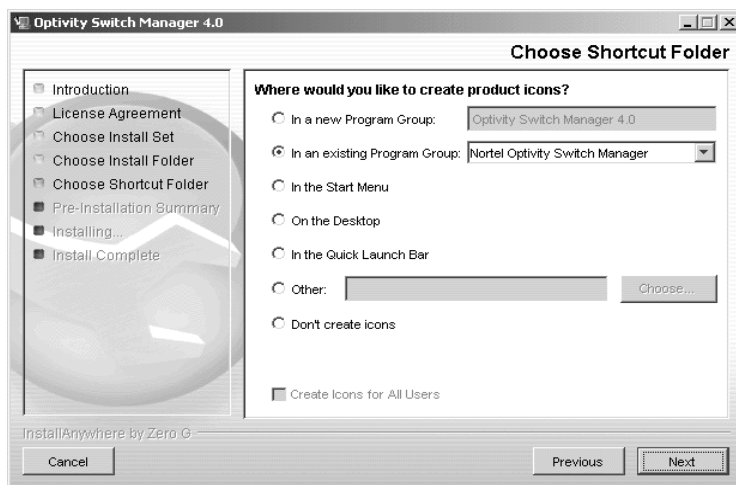


12 Select Restore Default Folder or click Choose to select the storage path.

You cannot have spaces in the path name.

13 Click Next.

The Choose Shortcut Folder dialog box opens (Figure 5).

Figure 5 Choose Shortcut Folder dialog box

14 Select your shortcut path(s).

15 Click **Next**.

The Pre-Installation Summary dialog box opens (Figure 6).

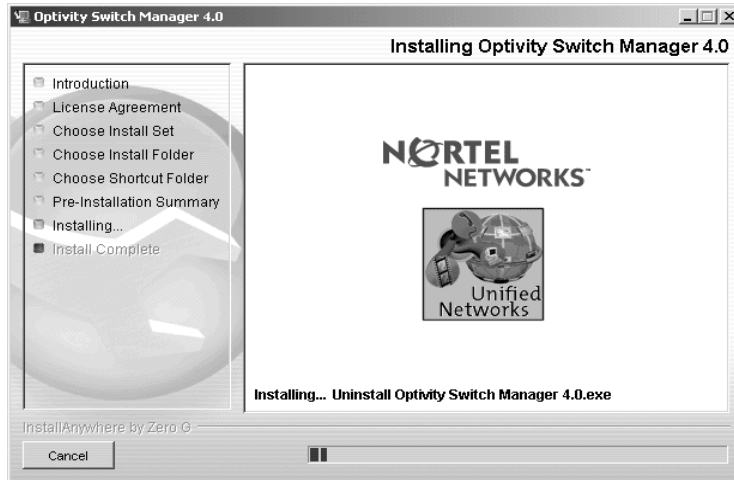
Figure 6 Pre-installation Summary dialog box

16 Verify the folder, shortcut(s), and disk space required to install the software. Use the **Previous** button to return to the appropriate dialog box to make changes.

17 Click Install.

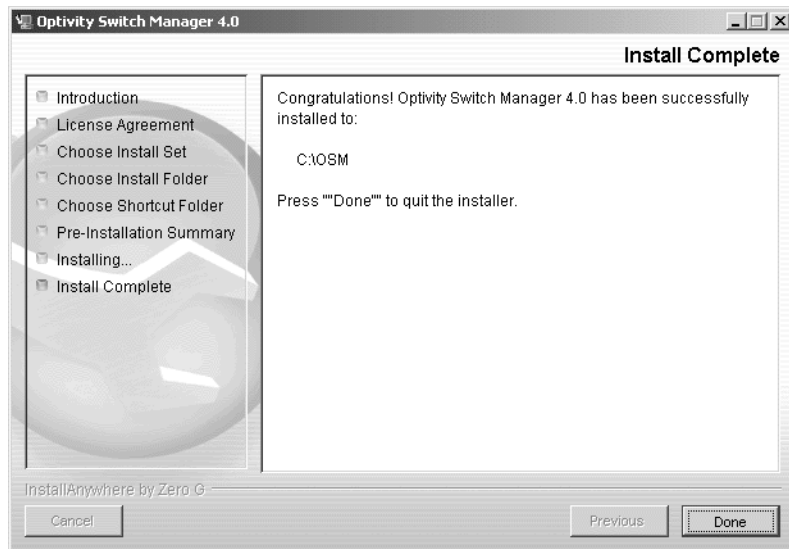
The installation process begins (Figure 7).

Figure 7 Installing Optivity Switch Manager dialog box



18 When the installation is complete, the Install Complete dialog box opens (Figure 8).

Figure 8 Install Complete dialog box



19 Click Done.

Immediately before the Install Complete dialog is displayed, the installer will install two services into the system, the RMIRegistry service, and the OSMScheduler service, and start both services.



Note: The RMIRegistry and the OSMScheduler are service only for the Window NT, Window 2000, and Window XP platforms. For Window 9x, you must run Scheduler from the OSM menu command and must also start RMI Registry and leave RMI window open before launching Scheduler.

For more information on using Optivity Switch Manager, refer to *Using Optivity Switch Manager, Release 4.0* (208963-D).

Installing OSM in a Solaris 2.7, 2.8, or 2.9 environment



Note: To ensure proper operation, any Solaris/SunOS patches, if required, must be installed prior to installing Optivity Switch Manager.

To run Optivity Switch Manager on a Sun workstation, the workstation must be running Solaris 2.7, 2.8, or 2.9 or SunOS 5.7, 5.8, or 5.9, and the appropriate operating system patches for the version of Solaris/SunOS on your workstation must be installed. If your system has an older version of Solaris/SunOS, you must upgrade the system to at least the 2.7/5.7 level before you install this software.

These instructions assume that you have mounted the CD-ROM drive onto the /cdrom directory. For instructions on mounting the CD-ROM drive, refer to your system's operating system user guide.

- 1 Copy the install program file *osm_4000_solaris.sh* from the /OSM_SW/OSM-Unix subdirectory on the *Optivity Switch Manager Release 4.0*

Software CD to a location on your workstation where you want to install the software.



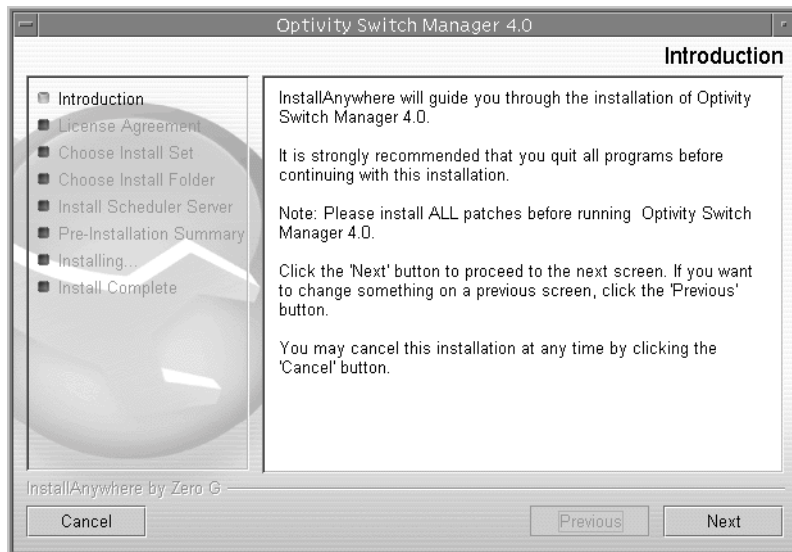
Note: As Solaris is a multi-user system, Nortel Networks recommends that you install OSM as a super-user (root). Super user is required to install the RMIRegistry server and the OSM Scheduler server, see below.

2 Run the install program by entering:

osm_4000_solaris.sh

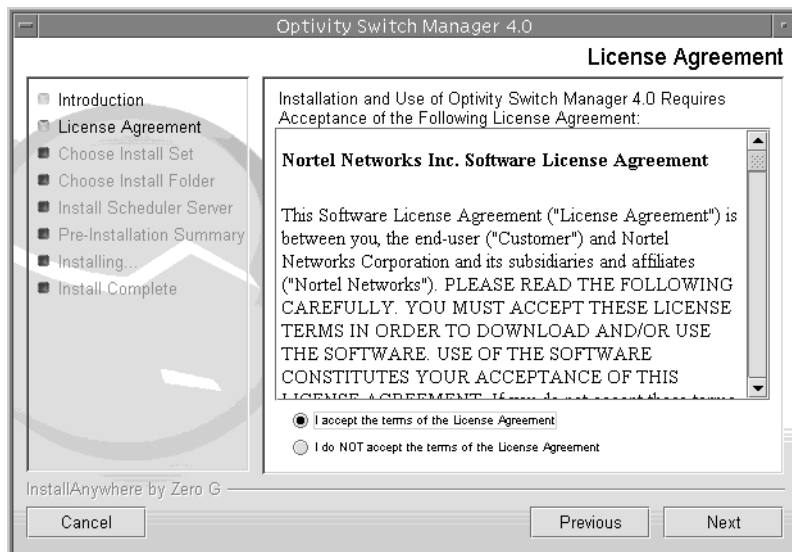
The InstallAnywhere* Introduction dialog box opens (Figure 9).

Figure 9 InstallAnywhere Introduction dialog box



3 Click **Next** to continue the installation process.

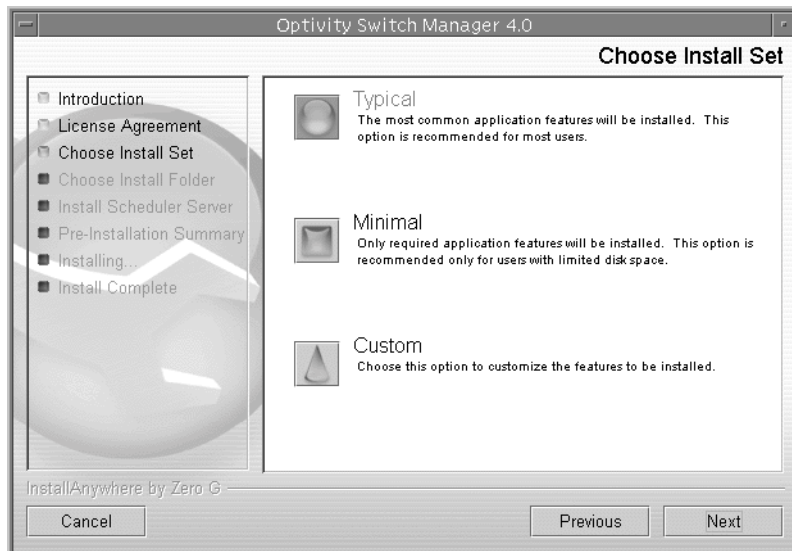
The License Agreement dialog box opens (Figure 10).

Figure 10 License Agreement dialog box

- 4 Click **I accept the terms of the license agreement** as shown in [Figure 10](#).
- 5 Click **Next**.

The Choose Install Set dialog box opens ([Figure 11](#)).

Figure 11 Choose Install Set dialog box

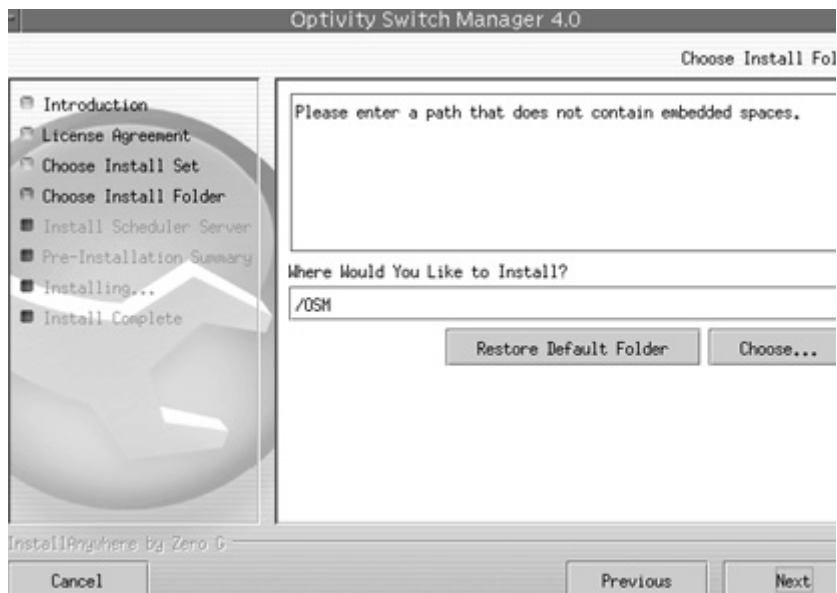


6 Do one of the following:

- Select **Typical** installation to install the common set features.
- Select **Minimal** installation to select features to install (recommended for those with limited disk space).
- Select **Custom** installation to customize the features prior to installation.

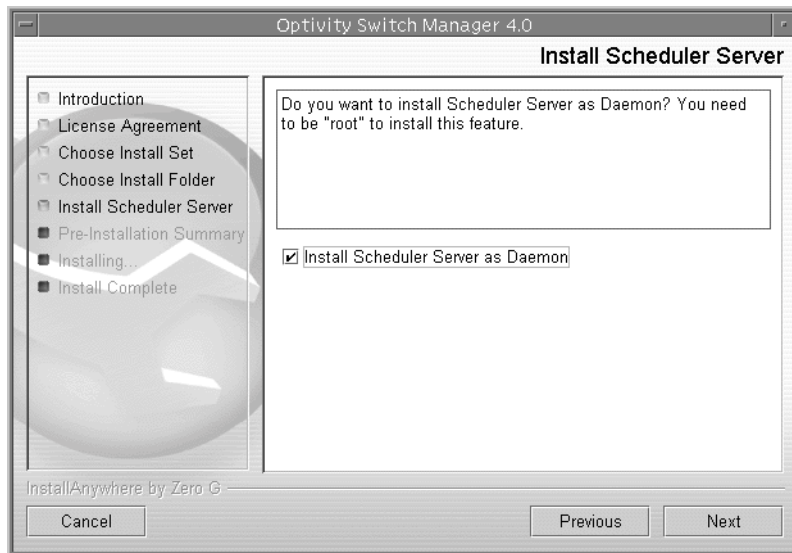
7 Click **Next**.

The Choose Install Folder dialog box opens ([Figure 12](#)).

Figure 12 Choose Install Folder dialog box

- 8 Click **Restore Default Folder** or click **Choose** to select the storage path.
- 9 Click **Next**.

The Install Scheduler Server dialog box opens ([Figure 13](#)).

Figure 13 Install Scheduler Server dialog box

- 10** Click the **optional check box** if you want to install the Scheduler Server as a daemon (the default is not-checked).

If you choose *not* to install the Scheduler Server as a daemon during the installation process, you can run Scheduler Server as a command.

If you are *not* at the root prior to installing the Scheduler Server, an Installer Error dialog box will display ([Figure 14](#)).

Figure 14 Installer Error dialog box

- 11** Click **Next**.

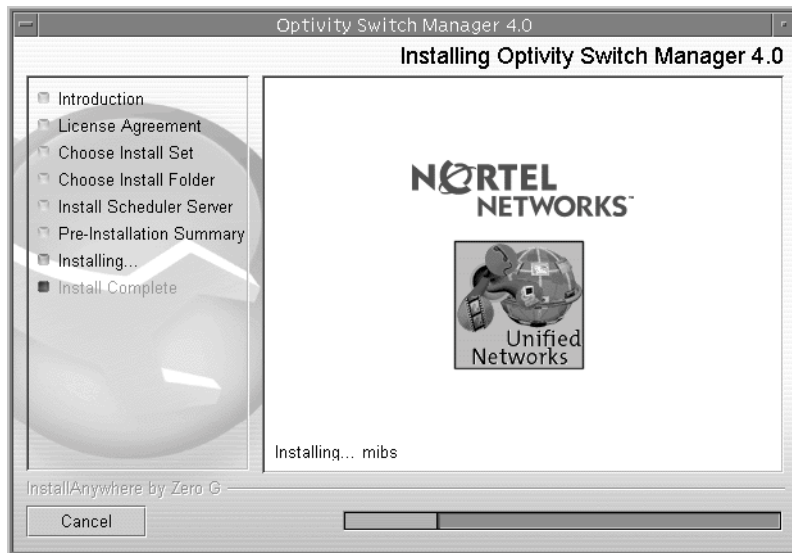
The Pre-Installation Summary dialog box opens ([Figure 15](#)).

Figure 15 Pre-installation Summary dialog box

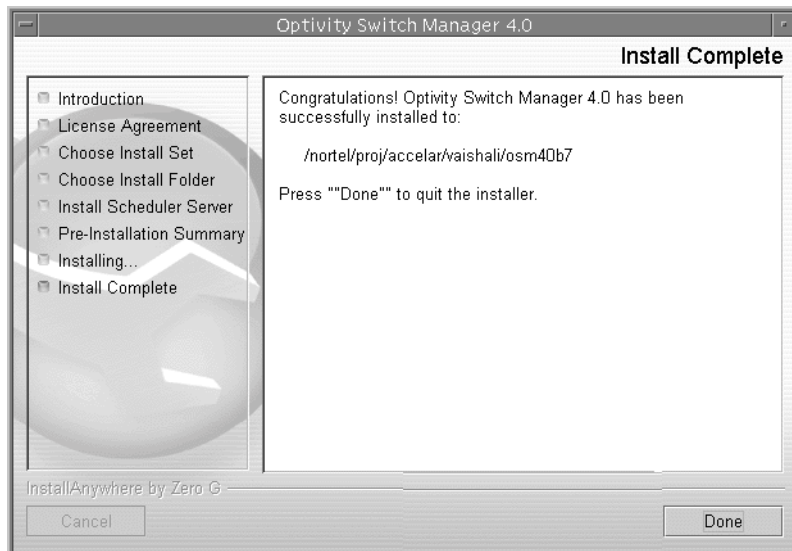
12 Verify the folder, shortcut(s), and disk space required to install the software. Use the Previous button to return to the appropriate dialog box to make changes.

13 Click **Install**.

The installation process begins (Figure 16).

Figure 16 Installing Optivity Switch Manager dialog box

When the installation is complete, the Install Complete dialog box opens (Figure 17).

Figure 17 Install Complete dialog box

- 14** Click **Done** to exit the installation.

Optivity Switch Manager is now installed.

Installing the software in Linux environment

To run Optivity Switch Manager on Linux workstation, the workstation must be running Linux-Kernel version 2.2 and above. The appropriate operating system patches for the this version of Linux OS must be installed. If your system has an older version of Linux, you must upgrade the system to at least the Kernel version 2.2 and above before installing OSM.

These instructions assume that you have mounted the CD-ROM drive onto the /cdrom directory. For instructions on mounting the CD-ROM drive, refer to your system's operating system user guide.

- 1** Copy the install program file *osm_4000_linux.sh* from the /OSM_SW/ OSM-Unix subdirectory found on the *Optivity Switch Manager Release 4.0 Software* CD to a preferred location in your workstation.

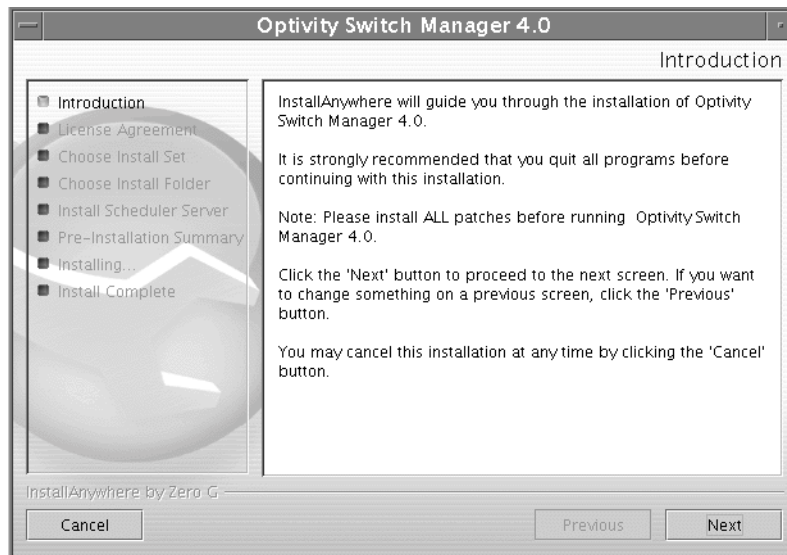
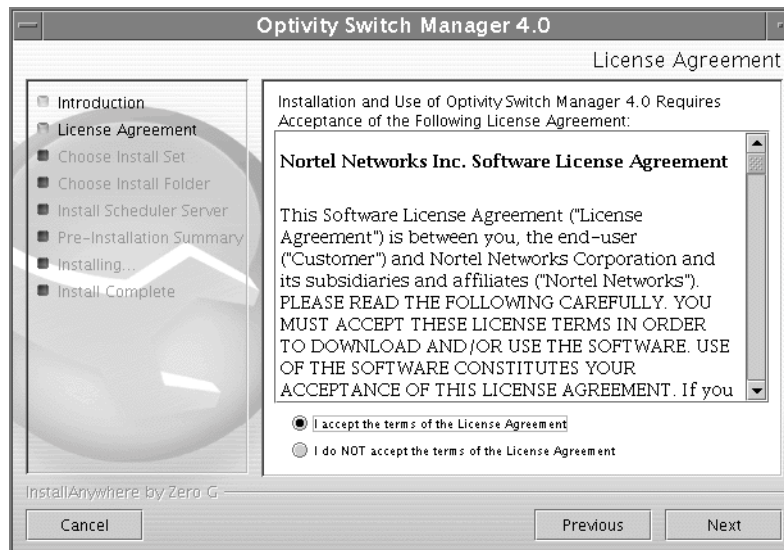


Note: As Linux is a multi-user system, Nortel Networks recommends that you install OSM as a super-user (root). Super user is required to install the RMIRegistry server and the OSM Scheduler server.

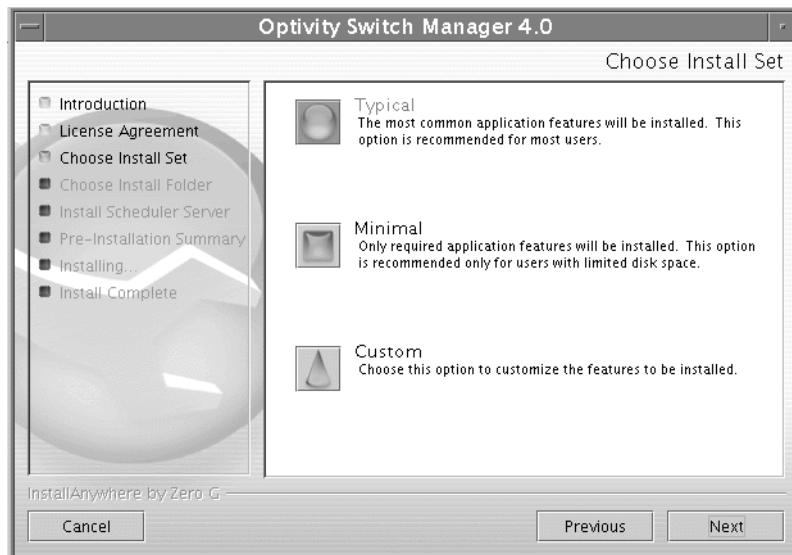
- 2** Run the install program by entering:

osm_4000_linux.sh

The InstallAnywhere* Introduction dialog box opens ([Figure 18](#)).

Figure 18 InstallAnywhere Introduction dialog box**Figure 19** License Agreement dialog box

- 3 Click **I accept the terms of the license agreement** as shown in [Figure 19](#).
- 4 Click **Next**.
- 5 The Choose Install Set dialog box opens ([Figure 20](#))

Figure 20 Choose Install Folder dialog box

- Select **Minimal** installation to select features to install (recommended for those with limited disk space).
- Select **Custom** installation to customize the features prior to installation.

6 Click **Next**.

Figure 21 Install Scheduler Server dialog box

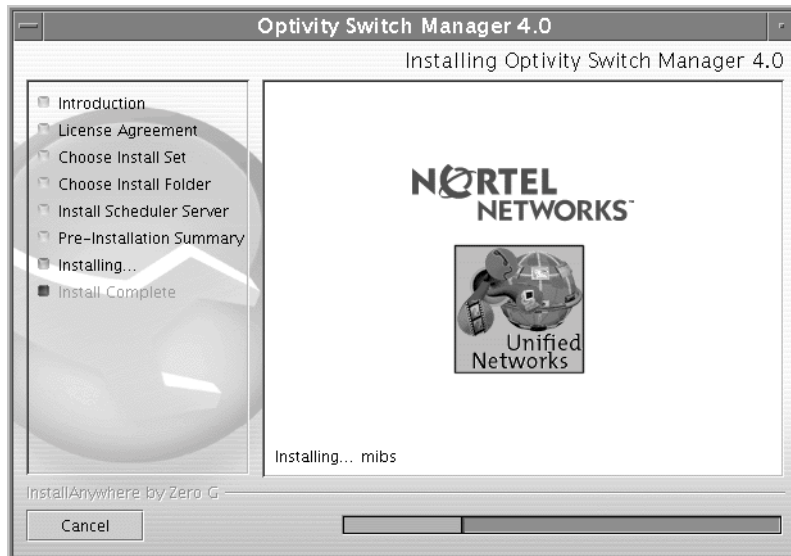


- 7 The Choose Install Scheduler Server dialog box opens ([Figure 21](#))
- 8 Select **Restore Default Folder** or click **Choose** to select the storage path.
You can not have spaces in the path name.
- 9 Click **Next**.

Figure 22 Pre-installation Summary dialog box

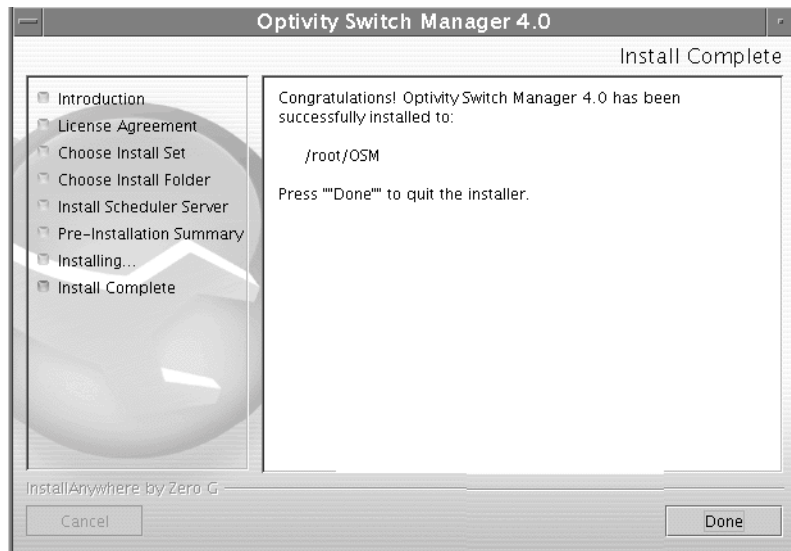
- 10** Select your shortcut path(s).
- 11** Click **Next**.
- 12** The Pre-Installation Summary dialog box opens (Figure 22).

Figure 23 Installing Optivity Switch Manager dialog box



13 Click **Install**.

14 The installation process begins (Figure 23)

Figure 24 Installing Complete dialog box

15 When the installation is complete, the Install Complete dialog box opens (Figure 24).

16 Click **Done**.

Launching Optivity Switch Manager

To start Optivity Switch manager in a SunOS/Solaris and Linux environment, enter the following command:

```
cd OSM_INSTALLED_DIRECTORY (for example, /usr/OSM/4000)
./OSM
```

Launching Device Manager

To access the Device Manager, from the Optivity Switch Manager, you double-click on a device or select the Device Manager icon from the toolbar. Device Manager is automatically installed when you install Optivity Switch Manager.

To start the Device Manager separately from Optivity Switch Manager, enter the command:

```
./JDM
```

To run Optivity Switch Manager, refer to *Using Optivity Switch Manager, Release 4.0* (208963-D).

Launching Scheduler Server from the command line

If the *Install Scheduler Server as Daemon* option is not selected during the OSM installation process (see [page 21](#)), you can start the Scheduler Server from the command line by executing these commands:

```
cd OSM_INSTALLED_DIRECTORY (for example, /usr/OSM/4000)
```

```
cd bin
```

```
./osm_scheduler
```



Note: The Scheduler Server remains active during your login session only; if you logout, the session will terminate.
