

NTNM35FA

Nortel Networks

Site Manager 6.0

Planning and Installation Guide

Standard Release 6.0 Issue 1 November 2003

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About this document

This guide includes planning and installation information on the Site Manager software. Site Manager is a nodal management tool that you can use to operate, administer, maintain, and provision network elements.

This planning and installation guide includes the following topics:

- [Supported products and features](#)
- [Site Manager installation](#)
- [Site Manager overview](#)
- [Ordering information](#)

Note 1: For specific information on how to use Site Manager for a particular product, refer to the documentation for that product. Nortel Networks technical publications (NTPs) are available online and in print form.

Note 2: For information on Site Manager online help, see [Online help on page 3-11](#).

Audience

The following members of your company are the intended audience of this guide:

- planners
- provisioners
- network administrators

References

This document refers to the following guides and NTPs:

- *Preside Applications Platform Interface Login User Guide*, 450-3101-012
- *Preside Applications Platform Installation and Administration User Guide*, 450-3101-201
- *Preside Applications Platform Planning Guide*, 450-3101-601
- *Nortel Networks OPTera Metro 3300/3400 Multiservice Platform Release 11.1 Planning and Ordering Guide*, NTRN11AL
- *Nortel Networks OPTera Metro 3300/3400 Multiservice Platform Security and Administration*, 323-1051-302
- *Nortel Networks OPTera Metro 3300/3400 Multiservice Platform Installation*, 323-1051-201
- *Nortel Networks OPTera Metro 3500 Multiservice Platform Release 12 Planning and Ordering Guide*, NTRN10AM
- *Nortel Networks OPTera Metro 3500 Multiservice Platform Security and Administration*, 323-1059-302
- *Nortel Networks OPTera Metro 3500 Multiservice Platform Installation*, 323-1059-201
- *Nortel Networks OC-48 Lite Multiplexer Planning Guide*, NTL63AB
- *Nortel Networks OC-48 Lite Multiplexer Preside Site Manager User Guide*, NTL65BB
- *Nortel Networks OC-48 Lite Multiplexer Preside Site Manager Alarm Clearing Guide*, NTL65CB
- *Nortel Networks OC-48 Lite Multiplexer Installation and Site Testing Procedures*, 323-1231-201

Text conventions

The following table lists the text conventions used in this document.

Item	Convention	Example
Hardkey combinations	The plus sign (+) is used to indicate that you must press two keys at the same time.	Press Shift+:
Return key	The return key symbol (↵) is used to indicate that you must press the return key.	cd /tmp ↵
User input	Angle brackets are used to indicate variable input.	Enter <hostname >

Technical support and information

For technical support and information from Nortel Networks, refer to the following table.

Technical Assistance Service	
<p>For service-affecting problems: For 24-hour emergency recovery or software upgrade support, that is, for:</p> <ul style="list-style-type: none"> • restoration of service for equipment that has been carrying traffic and is out of service • issues that prevent traffic protection switching • issues that prevent completion of software upgrades 	<p>North America: 1-800-4NORTEL (1-800-466-7835)</p> <p>International: 001-919-992-8300</p>
<p>For non-service-affecting problems: For 24-hour support on issues requiring immediate support or for 14-hour support (8 a.m. to 10 p.m. EST) on non-urgent issues.</p>	<p>North America: 1-800-4NORTEL (1-800-466-7835)</p> <p>Note: You require an express routing code (ERC). To determine the ERC, see our corporate Web site at www.nortelnetworks.com. Click on the Express Routing Codes link.</p> <p>International: Varies according to country. For a list of telephone numbers, see our corporate Web site at www.nortelnetworks.com. Click on the Contact Us link.</p>
<p>Global software upgrade support: For non-service affecting software upgrade issues</p>	<p>North America: 1-800-4NORTEL (1-800-466-7835)</p> <p>International: Varies according to country. For a list of telephone numbers, see our corporate Web site at www.nortelnetworks.com. Click on the Contact Us link.</p>

Supported products and features

This chapter lists the products and associated features supported by Site Manager Release 6.0.

Supported products

[Table 1-1](#) lists the products supported by Site Manager Release 6.0.

Table 1-1
Supported products

Product	Release
Nortel Networks OPTera Metro 3100 Multiservice Platform	4.0
Nortel Networks OPTera Metro 3300/3400 Multiservice Platform	9.1 and 11.1
Nortel Networks OPTera Metro 3500 Multiservice Platform	10.1,10.3, 11.0, and 12.0
Nortel Networks TransportNode OC-48 Lite Multiplexer	1.0 and 1.1

Note: If Site Manager does not support the product release or if the shelf processor is not running the same load as the rest of the network element, only the following applications will be available: Active Alarms, Events, Backup and Restore, Upgrade Management, and Load Installation Management.

Features for supported products

Table 1-2 summarizes the Site Manager features for the OPTera Metro 3100, 3300, 3400, and 3500 products, and the OC-48 Lite Multiplexer product.

Table 1-2
Summary of Site Manager features for supported products

Feature	OPTera Metro 3000 series						OC-48 Lite Multiplexer
	3100	3300/3400		3500			
	Rel. 4.0	Rel. 9.1	Rel. 11.1	Rel. 10.1 and 10.3	Rel. 11.0	Rel. 12.0	Rel. 1.0 and 1.1
Alarms							
• Active alarms	√	√	√	√	√	√	√
• Alarm cut-off	√	√	√	√	√	√	√
• Alarm flow control	n/a	n/a	√	n/a	√	√	n/a
• Alarm profiles	n/a	√	√	√	√	√	n/a
• Alarm provisioning including external alarms	√	√	√	√	√	√	√
• Event reporting	√	√	√	√	√	√	√
• External controls	√	√	√	√	√	√	√
• Span of control alarm list	√	√	√	√	√	√	n/a
Backup and restore	√	√	√	√	√	√	√
Bay command console (BCC) command line interface (CLI)	n/a	n/a	n/a	√	√	√	n/a
Bidirectional line-switched ring (BLSR) management	n/a	n/a	n/a	√	√	√	n/a
• Full VT management	n/a	n/a	n/a	n/a	√	√	n/a
• STS management	n/a	n/a	n/a	√	√	√	n/a
Connection identification	n/a	√	√	√	√	√	n/a
Connection management							
• End-to-end connections	√	√	√	√	√	√	n/a
• Nodal connections	√	√	√	√	√	√	(Read only)
• Virtual concatenation	n/a	n/a	n/a	n/a	n/a	√	n/a
• VT BLSR	n/a	n/a	n/a	n/a	√	√	n/a

Table 1-2 (continued)
Summary of Site Manager features for supported products

Feature	OPTera Metro 3000 series						OC-48 Lite Multiplexer
	3100	3300/3400		3500			
	Rel. 4.0	Rel. 9.1	Rel. 11.1	Rel. 10.1 and 10.3	Rel. 11.0	Rel. 12.0	
Equipment and facility provisioning	√	√	√	√	√	√	√
General broadcast messaging between users logged in to an NP or SP	n/a	n/a	n/a	n/a	n/a	√	n/a
Inventory list	√	√	√	√	√	√	√
In-service traffic rollover (ISTR)	√	√	√	√	√	√	√
Login management (direct, remote, or Ethernet access)	√	√	√	√	√	√	√
Map topology	√	√	√	√	√	√	n/a
• Displaying adjacent network elements outside the span of control	n/a	n/a	√	n/a	√	√	n/a
Management Information Base (MIB) browser	n/a	n/a	n/a	√	√	√	n/a
Modifiable login banner	n/a	n/a	n/a	n/a	n/a	√	n/a
Multiple network elements (NE) access	√	√	√	√	√	√	√
Multiple window environment	√	√	√	√	√	√	√
Node information	√	√	√	√	√	√	√
• Common Language Location Identifier (CLLI) provisioning	n/a	n/a	√	n/a	√	√	n/a
Online help							
• Context-sensitive help for windows, dialog boxes, and menus	√	√	√	√	√	√	√
• Procedural information	n/a	√	√	√	√	√	√

1-4 Supported products and features

Table 1-2 (continued)
Summary of Site Manager features for supported products

Feature	OPTera Metro 3000 series						OC-48 Lite Multiplexer
	3100	3300/3400		3500			
	Rel. 4.0	Rel. 9.1	Rel. 11.1	Rel. 10.1 and 10.3	Rel. 11.0	Rel. 12.0	
OPTera Packet Edge (OPE)	n/a						n/a
• Alarms							
— Active alarms		√	√	√	√	√	
— Trap activation and provisioning		√	√	√	√	√	
• Ethernet network to network interface (NNI) redundancy		n/a	n/a	n/a	√	√	
• Management Information Base (MIB) Browser		√	√	√	√	√	
• Network topology		√	√	√	√	√	
• Overbooking (fairness)		n/a	√	n/a	√	√	
• SNMP settings		√	√	√	√	√	
• Traffic management							
— Static routing		√	√	√	√	√	
— WAN load sharing		√	√	√	√	√	
Optical Ethernet-Private Line (OE-PL) service provisioning	n/a	n/a	√	n/a	√	√	n/a
Performance monitoring (PM) (counts and thresholds)	√	√	√	√	√	√	√
• Physical PM counts	n/a	n/a	n/a	n/a	√	√	n/a
• Protection PM counts	n/a	n/a	√	n/a	√	√	n/a
• Threshold crossing report type	n/a	n/a	n/a	n/a	n/a	√	n/a
Protection provisioning and status	√	√	√	√	√	√	√
Protection exerciser	n/a	√	√	√	√	√	√

Table 1-2 (continued)
Summary of Site Manager features for supported products

Feature	OPTera Metro 3000 series						OC-48 Lite Multiplexer
	3100	3300/3400		3500			
	Rel. 4.0	Rel. 9.1	Rel. 11.1	Rel. 10.1 and 10.3	Rel. 11.0	Rel. 12.0	
Security and Administration							
• Customer managed network (CMN)	n/a	√	√	√	√	√	n/a
• Intrusion attempt handling	n/a	√	√	√	√	√	n/a
• Invalid password	n/a	√	√	√	√	√	n/a
• Password change	√	√	√	√	√	√	√
• Security logs	n/a	√	√	√	√	√	n/a
• User authentication							
— Local account (user ID and password)	√	√	√	√	√	√	√
— Local challenge-response	n/a	n/a	√	n/a	√	√	n/a
— Remote access dial-in user authentication service (RADIUS)	n/a	n/a	√	n/a	√	√	n/a
• User profile	√	√	√	√	√	√	√
Shelf level view	√	√	√	√	√	√	√
Software upgrade and load installation management	√	√	√	√	√	√	√
Span of control	√	√	√	√	√	√	√
Synchronization provisioning							
• Time of day (TOD)	n/a	n/a	√	n/a	√	√	n/a
• Timing mode	√	√	√	√	√	√	√
• Timing reference	√	√	√	√	√	√	n/a
Target identifier address resolution protocol (TARP) provisioning	√	√	√	√	√	√	√

1-6 Supported products and features

Table 1-2 (continued)
Summary of Site Manager features for supported products

Feature	OPTera Metro 3000 series						OC-48 Lite Multiplexer
	3100	3300/3400		3500			
	Rel. 4.0	Rel. 9.1	Rel. 11.1	Rel. 10.1 and 10.3	Rel. 11.0	Rel. 12.0	
Telemetry byte-oriented serial protocol (TBOS) provisioning	√	√	√	√	√	√	n/a
Test access							
• Creating or editing a test access session	n/a	n/a	n/a	n/a	n/a	√	n/a
• Retrieving test access information	n/a	n/a	n/a	n/a	n/a	√	n/a
• Time out period provisioning	n/a	n/a	n/a	n/a	√	√	n/a
• Test access port provisioning and releasing	n/a	n/a	n/a	n/a	√	√	n/a
TL1 command builder	√	√	√	√	√	√	n/a
TL1 event logging	n/a	n/a	√	n/a	√	√	n/a
Trap proxy	n/a	√	√	√	√	√	n/a

Site Manager installation

This chapter describes how to install Site Manager. You can install Site Manager on a:

- personal computer (PC)
- HP-UX 11 workstation

Note: You can install Site Manager co-resident with Preside Applications Platform (AP) Release 9.1 or higher on an HP-UX 11 workstation

- Sun workstation

Application kit contents

The application kit contains the following items:

- CD-ROM with the Site Manager software
- electronic version of the *Site Manager Planning and Installation Guide* (this guide)

Installation requirements

Operating platforms

Table 2-1 lists each supported operating platform and the corresponding supported operating systems.

Table 2-1
Operating platforms

Operating platform	Supported operating systems
Personal computer (PC)	<ul style="list-style-type: none"> • Windows 98 • Windows 2000 • Windows NT workstation version 4 • Windows XP
Hewlett Packard (HP) workstation	<ul style="list-style-type: none"> • HP-UX 11 (see Note)
Sun workstation	<ul style="list-style-type: none"> • Solaris 8
<p>Note: For information about the required patches and kernel parameters, see HP-UX 11 patches on page 2-2 and HP-UX 11 kernel parameters on page 2-2.</p>	

HP-UX 11 patches

For HP-UX 11 installations, you must install the software patches included on the HP-UX 11 OS Patches Bundle Supplement for Preside host platforms CD-ROM, April 2002 version or later. For ordering information, see *Preside Applications Platform Planning Guide*, 450-3101-601, Release 9.1 or higher. For installation procedures, see *Preside Applications Platform Installation and Administration User Guide*, 450-3101-201, Release 9.1 or higher.

HP-UX 11 kernel parameters

The following table includes the required kernel parameters that you must change on the workstation running HP-UX 11:

Table 2-2
Kernel parameters

Kernel parameter	Value
dbc_max_pct	50
dbc_min_pct	5
max_thread_proc	1200
maxdsiz	2063835136
maxdsiz_64	2063835136
maxfiles	2048

Table 2-2
Kernel parameters

Kernel parameter	Value
maxfiles_lim	2048
maxssiz	0x04000000
maxsiz_64	0x04000000
maxswapchunks	4096
maxuprc	512
maxusers	512
msgtql	1024
ncallout	nkthread + 16
nfile	5128
ninode	3048
nkthread	(nproc*2)+(1000)
nproc	2088
npty	200
semmni	128
semmns	512
semmnu	512
shmmax	1073741824
shmseg	120
vps_ceiling	16
vps_pagesize	4
<p>Note: If the <i>Preside Applications Platform Planning Guide</i> recommends a kernel parameter value that is different than the value recommended in this table, use the greater of the two values.</p>	

For more information about the HP-UX 11 kernel parameters, visit the Hewlett Packard website at:

http://h21007.www2.hp.com/dspp/tech/tech_TechDocumentDetailPage_IDX/1,1701,1608,00.html

Site Manager configurations with Preside AP

ATTENTION

Preside AP Release 9.1 and higher run on HP-UX 11. Starting with Preside AP Release 9.1, Site Manager can be installed co-resident with Preside AP.

Preside AP workstations must meet the minimum requirements to support Preside AP Release 9.1 or higher. For more information on supported Preside AP workstations, see the *Preside Applications Platform Planning Guide*, 450-3101-601.

Hardware requirements

Table 2-3 identifies the minimum and recommended hardware requirements for Site Manager.

Table 2-3
Site Manager hardware requirements

	PC	HP workstation (see Note)	Sun workstation (see Note)
Minimum hardware requirements			
CD-ROM drive or network access	Required	Same as the supported platform in Preside AP requirements (See hardware requirements for supported hardware platforms in <i>Preside Applications Platform Planning Guide</i> , Release 9.1 or higher)	Required
Hard disk space	100 Mbyte		500 Mbyte
Monitor	256-color display		256-color display
Processor	Pentium processor at 233 MHz		UltraSparc Ili 300 MHz (Ultra 10 Model 300 or better)
RAM	64 Mbyte		256 Mbyte
Recommended hardware requirements			
CD-ROM drive or network access	Required	Same as the supported platform in Preside AP requirements (See hardware requirements for recommended hardware platforms in <i>Preside Applications Platform Planning Guide</i> , Release 9.1 or higher)	Required
Hard disk space	200 Mbyte		500 Mbyte
Monitor	256-color display or better		256-color display or better
Processor	Pentium processor at 400 MHz or higher		UltraSparc Ili 500 MHz (SunBlade 100 or better)
RAM	128 Mbyte or higher		512 Mbyte
Note: Use the default software parameters with respect to the guided installation option of the operating system software.			

Other hardware requirements

For details on other hardware requirements specific to the supported products, refer to:

- OPTera Metro 3000 series: Refer to the Planning and Ordering Guide for the OPTera Metro 3000 release you are running. Refer to [Documentation on page 4-2](#) for product engineering codes (PEC) for OPTera Metro 3000 documentation.
- OC-48 Lite Multiplexer: *Nortel Networks OC-48 Lite Multiplexer Planning Guide*, NTL63AB

Additional hardware

You can use one of the following modems:

- Hayes compatible modem at 2400 baud (minimum)
- Hayes compatible modem at 19200 baud (recommended)

Equipment connection

[Table 2-4](#) identifies the Nortel Networks technical publications (NTPs) to consult for equipment connection details.

Table 2-4
NTPs that include equipment connection information

Product	NTP title	NTP number
OC-48 Lite Multiplexer	Installation and Site Testing Procedures	323-1231-201
OPTera Metro 3300/3400	Installation	323-1051-201
OPTera Metro 3500	Installation	323-1059-201

Engineering rules

ATTENTION

The number of sessions specified in this section varies depending on the memory required by the other processes running on the PC or workstation and the allocated swap space.

If you do not follow the engineering rules, you will impact the performance of all Site Manager sessions running on a PC or workstation. Unexpected behavior can occur if the number of sessions is exceeded.

- Maximum number of Site Manager sessions supported on a PC with minimum or recommended hardware requirements: 1
- Maximum number of Site Manager sessions supported on an HP-UX 11 or Sun workstation with minimum or recommended hardware requirements: No software-imposed restriction (see Note)

Note: When Site Manager is not installed co-resident with Preside AP, the number of sessions is limited by hardware resources only.

- Maximum number of network elements supported in one Site Manager session: one full span of control, including the controller (if applicable)
- Maximum number of OPTera Packet Edge nodes supported in one Site Manager session: 32

Preside AP/MOA co-residency

It will be possible for Site Manager, Preside AP, and the Managed Object Agent (MOA) to co-reside on the same workstation when HP-UX 11 is a supported operating platform for the Preside AP and MOA workstation.

Table 2-5
Preside AP/MOA co-residency

Description	Number of sessions
Number of Site Manager sessions that you can launch simultaneously on a workstation where Site Manager, Preside AP and MOA are co-resident (see Note)	limited to 10
Note: The workstation must meet the minimum hardware requirements as described in the <i>Preside Applications Platform Planning Guide</i> for the release you installed on the workstation. In addition, the workstation must have a minimum of 1-Gbyte RAM and 2-Gbyte swap space.	

Access methods

Site Manager allows you to access a network element by the following methods:

- direct cable (RS-232)
- modem
- Ethernet

Installing Site Manager

[Table 2-6](#) lists the procedures you need to follow to install Site Manager for your required configuration.

Table 2-6
Procedures for installing Site Manager based on configuration

Configuration	Procedure(s) to complete
Site Manager on a PC	Installing Site Manager on a PC on page 2-8
Site Manager on an HP-UX 11 workstation (see Note)	Installing Site Manager software files on an HP-UX 11 workstation on page 2-9
Site Manager on a Sun workstation	Installing Site Manager software files on a Sun Solaris 8 workstation on page 2-11
Site Manager on an internal web server	Installing Site Manager on an internal web server for web distribution on page 2-13
Note: You can install Site Manager co-resident with Preside Applications Platform (AP) Release 9.1 or higher.	

Procedure 2-1 Installing Site Manager on a PC

Use this procedure to install Site Manager on a personal computer (PC).

Requirements

Before you start the software installation, you must:

- uninstall Site Manager if it is already installed on your PC. See [Procedure 2-6, Uninstalling Site Manager from a PC](#)
- ensure that your system meets the installation requirements. See [Installation requirements on page 2-2](#)
- close all applications before installing Site Manager

Step	Action
1	Insert the Site Manager CD-ROM in the CD-ROM drive.
2	If the Site Manager Introduction screen is displayed automatically, go to step 6 .
3	From the Windows taskbar, click Start and then select Run.
4	In the Open field of the Run dialog box, enter the following command: e:\install.exe ↵ where e is your CD-ROM drive letter
5	Click OK.
6	In the Preside Site Manager Introduction screen, click Next, then follow the instructions on the screen to progress through the installation sequence. During the installation, you are prompted to <ol style="list-style-type: none">a. accept the license agreementb. select the folder where you want to install the softwarec. create a shortcut for accessing Site Manager Note: Do not use any of the following characters when specifying the installation folder or the shortcut location: < , > , / , \ , ? , * , : , . Using any of these characters prevents Site Manager from installing correctly (although no error message is displayed). If this occurs, you must re-install Site Manager.
7	In the Preside Site Manager Install Complete screen, click Done to acknowledge completion of the installation. Note: You do not need to install any other software. The Java virtual machine is included with the installation of the Site Manager software.

—end—

Procedure 2-2 Installing Site Manager software files on an HP-UX 11 workstation

Use this procedure to install Site Manager on an HP-UX 11 workstation.

Requirements

ATTENTION

Do not uninstall Site Manager if it is already installed on your HP-UX 11 workstation.

Before you start this procedure you must:

- close all applications before installing Site Manager
 - ensure that the HP-UX 11 software is installed on the workstation
- Note:* To confirm that you have the correct version of the HP-UX 11 software installed on the workstation, use the `uname -r` command. The expected result is B.11.11.
- be authorized to log in to the workstation as the UNIX root user
 - ensure you know the CD-ROM device name. If you do not know the name, see [Procedure 2-5, Recording the CD-ROM device name](#).

Hardware

The minimum and recommended hardware requirements for an HP-UX 11 workstation on which Site Manager Release 6.0 is installed are the same as for the Preside AP Release 9.1 workstation. For more information on the minimum and recommended hardware platforms, see the section on hardware requirements in *Preside Applications Platform Planning Guide*, 450-3101-601, Release 9.1 or higher.

Step	Action
------	--------

- | | |
|---|---|
| 1 | Insert the Site Manager CD-ROM in the CD-ROM drive. |
| 2 | Log in to the HP-UX 11 workstation as the root user by entering the root userID and the password in the login dialog box. |
| 3 | Open a console window. |
| 4 | Change to the /tmp directory by entering |

cd /tmp ↵

Note: You can start the software installation process from any directory. However, use the /tmp directory to ensure the installation files are stored in one location.

—continued—

2-10 Site Manager installation

Procedure 2-2 (continued)

Installing Site Manager software files on an HP-UX 11 workstation

Step	Action
5	Create a new directory to store the CD-ROM files by entering mkdir /cdrom ↵
6	Mount the CD-ROM in the directory created by entering mount /dev/dsk/<device name> /cdrom ↵ where the device name is the name of the CD-ROM drive, for example, c1t2d0.
7	Retrieve the installation files from the /cdrom directory by entering cp /cdrom/HPUX/install.bin ./install.bin ↵
8	Start the software installation process by entering sh ./install.bin ↵
9	Click Next to progress through the installation sequence. During the installation, you are prompted to <ol style="list-style-type: none">accept the license agreementselect the folder where you want to install the software (the default folder location is /opt/nortel/applications/sitemanager)
10	Click Done to acknowledge completion of the installation.
11	The CD-ROM drive must be unmounted from the workstation. Unmount the CD-ROM drive by entering umount /cdrom ↵ Note: For information on running Site Manager, see the <i>Preside Applications Platform Interface Login User Guide</i> , 450-3101-012.

—end—

Procedure 2-3 Installing Site Manager software files on a Sun Solaris 8 workstation

Use this procedure to install Site Manager on a Sun Solaris 8 workstation.

Requirements

ATTENTION

Do not uninstall Site Manager if it is already installed on your Sun Solaris 8 workstation.

Before you start this procedure you must:

- close all applications before installing Site Manager
- ensure that the Solaris 8 software is installed on the workstation
- be authorized to log in to the workstation as the UNIX root user
- have the Site Manager installation CD-ROM

Hardware

For more information on the minimum and recommended hardware requirements, see [Hardware requirements on page 2-4](#).

Step	Action
1	Insert the Site Manager CD-ROM in the CD-ROM drive.
2	Log in to the workstation as the root user by entering the root userID and the password in the login dialog box.
3	Open a console window.
4	Change to the /tmp directory by entering cd /tmp ↵
	Note: You can start the software installation process from any directory. However, use the /tmp directory to ensure the installation files are stored in one location.
5	Create a new directory to store the CD-ROM files by entering mkdir /cdrom ↵
6	Change to the cdrom directory by entering cd /cdrom ↵
7	Retrieve the installation files from the /cdrom directory by entering cp /cdrom/Solaris/install.bin ./install.bin ↵
8	Start the software installation process by entering sh ./install.bin ↵

—continued—

2-12 Site Manager installation

Procedure 2-3 (continued)

Installing Site Manager software files on a Sun Solaris 8 workstation

Step	Action
9	Click Next to progress through the installation sequence. During the installation, you are prompted to <ol style="list-style-type: none">accept the license agreementselect the folder where you want to install the software (the default folder location is /opt/nortel/applications/sitemanager)
10	Click Done to acknowledge completion of the installation. Note: For information on running Site Manager, see the <i>Preside Applications Platform Interface Login User Guide</i> , 450-3101-012.

—end—

Procedure 2-4 Installing Site Manager on an internal web server for web distribution

Use this procedure to install the Site Manager software files on your internal web server for PC, HP-UX 11, or Sun Solaris workstation web distribution.

Requirements

Before you start this procedure, you must set up your web server.

Step	Action
------	--------

Installing Site Manager software files on your internal web server for PC, HP-UX 11, or Sun Solaris workstation web distribution

- 1 Insert the Site Manager CD-ROM in the CD-ROM drive.
- 2 For PC web distribution, copy the PCWebDistribution folder in to a web-accessible directory on your server.
- 3 For HP-UX 11 or Sun Solaris workstation web distribution, copy the PresideWebDistribution folder in to a web-accessible directory on your server.
- 4 Ensure that the destination of the URL for the web distribution is to the install.htm file.

Accessing Site Manager software files on your internal web server from a PC

Note: You do not need to install any other software. The Java virtual machine is included with the installation of the Site Manager software.

- 5 Ensure that you have a web browser application such as Netscape Communicator or Windows Internet Explorer open.
- 6 Locate the internal web server and web-accessible directory containing the Install.htm file.

Automated installation

- 7 Click on the Start Installer for Windows 98, NT... button.
- 8 During the installation you are prompted to
 - a. accept the license agreement
 - b. select the folder where you want to install the software
 - c. create a shortcut for accessing Site Manager

Note: Do not use any of the following characters when specifying the installation folder or the shortcut location: <, >, /, \, ?, *, :, |.
Using any of these characters prevents Site Manager from installing correctly (although no error message is displayed). If this occurs, you must re-install Site Manager.

—continued—

Procedure 2-4 (continued)

Installing Site Manager on an internal web server for web distribution

Step	Action
9	Click Done to acknowledge completion of the installation.
	Manual installation
10	Click on the Download link.
11	From the Save Downloaded File dialog box, select the location where you want to save the file.
12	Click Save.
13	Double click on Install.exe.
14	During the installation you are prompted to <ol style="list-style-type: none">accept the license agreementselect the folder where you want to install the softwarecreate a shortcut for accessing Site Manager
	Note: Do not use any of the following characters when specifying the installation folder or the shortcut location: <, >, /, \, ?, *, :, ;, . Using any of these characters prevents Site Manager from installing correctly (although no error message is displayed). If this occurs, you must re-install Site Manager.
15	Click Done to acknowledge completion of the installation.
16	You have completed this procedure.

Accessing Site Manager software files on your internal web server from an HP-UX 11 or Sun Solaris workstation

17	Ensure that you have a web browser application such as Netscape Communicator or Windows Explorer open.
18	Locate the internal web server and web-accessible directory containing the Install.htm file.
19	Click on the Download link to save the installer.
20	Log in to the workstation as root.
21	Copy the Install.bin file in the / directory. <ol style="list-style-type: none">Enter <code>./</code>.Enter <code>sh ./install.bin</code>.
22	Click Next to progress through the installation sequence. During the installation, you are prompted to <ol style="list-style-type: none">accept the license agreementselect the folder where you want to install the software (the default folder location is <code>/opt/nortel/applications/sitemanager</code>)
23	Click Done to acknowledge completion of the installation.

—end—

Procedure 2-5

Recording the CD-ROM device name

Use this procedure to find and record the device name of the CD-ROM drive.

Step	Action
1	Log in to the workstation as the root user by entering the root user ID and password in the login dialog box.
2	Open a console window.
3	Scan the system hardware for devices by entering ioscan -fun The system displays a list of system devices and a description of each device.
4	Locate the CD-ROM drive description in the list. The second line of the description contains the device name contained in the <code>/dev/dsk</code> file. For example <code>/dev/dsk/c1t2d0</code> .
5	Record the device name.

—end—

Procedure 2-6 Uninstalling Site Manager from a PC

Use this procedure to uninstall Site Manager from a personal computer (PC).

Note: This procedure provides instructions for uninstalling Site Manager using the Uninstall option in the Preside Site Manager program group. You can also uninstall Site Manager using Add/Remove Programs in the Windows Control Panel.

Requirements

Before you uninstall the software, you must:

- close the Site Manager application
- copy the files you want to keep from the Site Manager folder before they are deleted during the uninstall procedure

Step	Action
------	--------

- | | |
|---|--|
| 1 | Click Start on the Windows task bar, then select: Programs, <SiteManager>, Uninstall_PresideSiteManager. |
|---|--|

where

<SiteManager>

is the folder where you installed Site Manager. If you kept the default settings during the installation, the folder is "PresideSiteManager".

- | | |
|---|---|
| 2 | In the Preside Site Manager Uninstall wizard, click Uninstall. |
| 3 | When the uninstallation is complete, click Done to close the Preside Site Manager Uninstall wizard. |

Note: Some folders and files cannot be removed during the uninstallation (for example, the LOGS folder is not removed). You can delete such folders and files manually.

—end—

Procedure 2-7 Uninstalling Site Manager from an HP-UX 11 or from a Sun Solaris 8 workstation

Use this procedure to uninstall Site Manager from an HP-UX 11 or from a Sun Solaris 8 workstation.

Requirements

Before you uninstall the software, you must:

- close the Site Manager application
- be authorized to log in to the workstation as the UNIX root user
- copy files you must keep that are resident in the Site Manager directory

Step Action

Note: This procedure removes the UninstallerData folder you are currently in.

- 1 Log in to the workstation as the root user by entering the root userID and the password in the login dialog box.
- 2 Open a console window.
- 3 Change to the applications directory by entering
cd /opt/nortel/applications.

4



CAUTION

Removing the software directory

You must enter the complete command (as shown below) to remove the Site Manager directory. If you do not enter the complete command, you might remove other directories and all subdirectories.

Remove the software directory by entering

rm -r sitemanager.

—end—

Site Manager overview

Site Manager is a nodal management tool that you can use to operate, administer, maintain, and provision network elements. You can also use Site Manager to provision data parameters of Packet Edge circuit packs.

Operations that you can perform using the Site Manager user interface include:

- monitor alarms and alarm history
- retrieve a historical listing of performance statistics for specific network elements
- provision performance thresholds according to your performance management parameters
- provision equipment and facilities
- control protection status
- provision nodal and end-to-end connections within a span of control
- visualize remote equipment using shelf level graphics

Note 1: For specific information on how to use Site Manager for a particular product, refer to the documentation for that product. Nortel Networks technical publications (NTPs) are available online and in print form.

Note 2: For information on Site Manager online help, see [Online help on page 3-11](#).

Main window

When you log in to Site Manager, the main window opens. See [Main window layout on page 3-3](#). You can use the main window to

- connect to or disconnect from the network
- log in to, log out of, and select network elements
- log in to, log out of, and select Packet Edge circuit packs (OPTera Packet Edge system)
- initiate applications

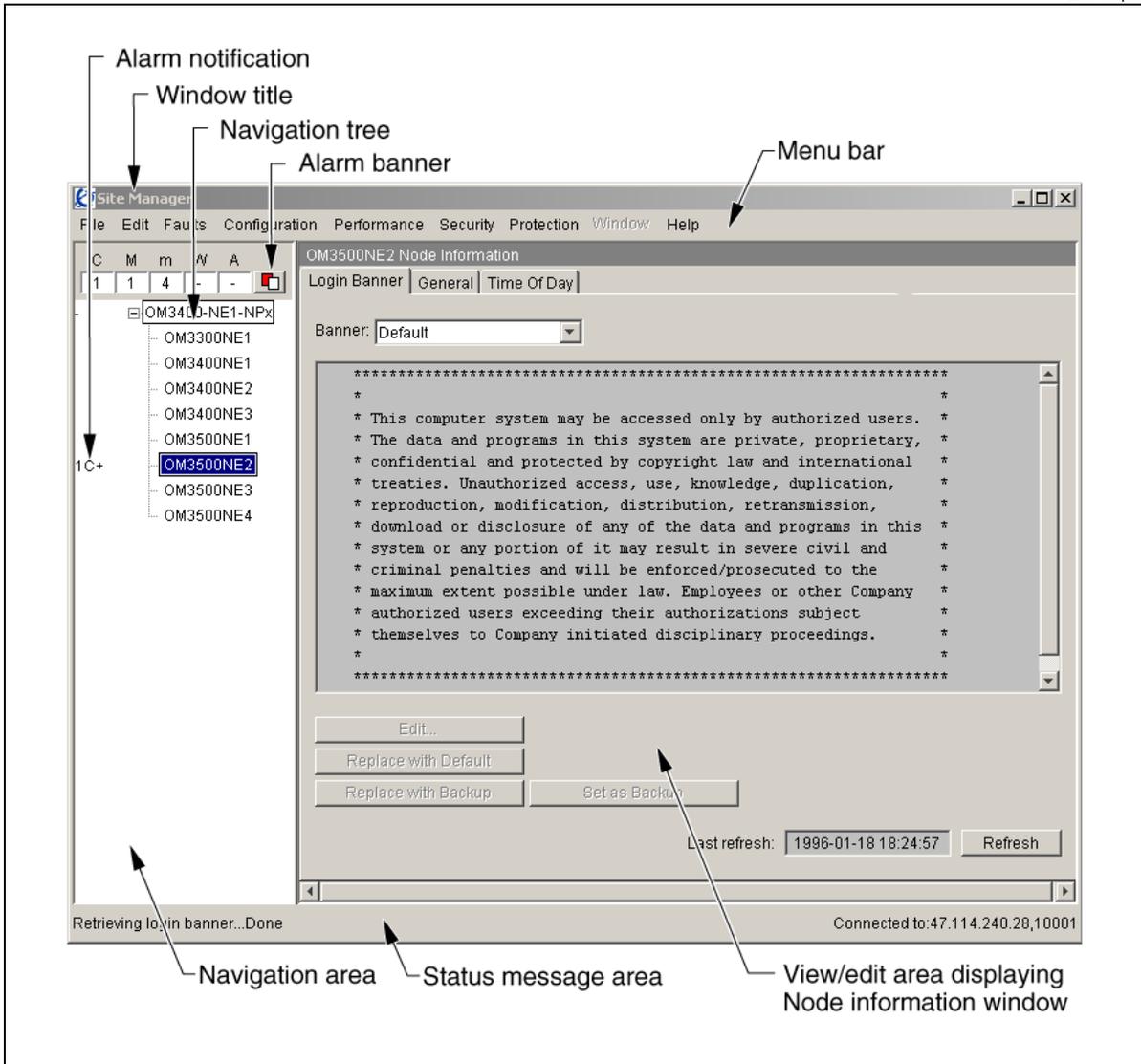
The status bar in the main window reflects the state of the network connection. See [Status message area on page 3-10](#).

The main window contains the following components.

- [Navigation area on page 3-4](#)
- [Alarm banner on page 3-7](#)
- [View/edit area on page 3-9](#)
- [Menu bar on page 3-9](#)
- [Status message area on page 3-10](#)

Main window layout

EX1476p.tif



Note: The information in the main window varies according to product.

Navigation area

Use the navigation area to view or edit details for any of the following:

- network element (OC-48 Lite Multiplexer or OPTera Metro 3000 series)
- network processor (OPTera Metro 3000 series)
- Packet Edge circuit pack, Packet Edge ring, or the Packet Edge network (OPTera Packet Edge system)

You must connect to a network element, network processor, or Packet Edge circuit pack to populate the navigation area with data.

The navigation area also displays alarm notification.

For more information about the navigation area, see:

- [Navigation area details for the OPTera Metro 3000 series and the OC-48 Lite Multiplexer on page 3-4](#)
- [Navigation area details for the OPTera Packet Edge system on page 3-5](#)
- [Alarm notification on page 3-6](#)

Navigation area details for the OPTera Metro 3000 series and the OC-48 Lite Multiplexer

Note 1: For Nortel Networks OPTera Metro 3000 series, a span of control is a subnetwork of network elements under the control of a network processor. For OC-48 Lite Multiplexer networks, a span of control includes only one OC-48 Lite Multiplexer network element.

Note 2: The OC-48 Lite Multiplexer product does not have a network processor. References to the network processor apply to the OPTera Metro 3000 product.

A network element is represented in the navigation area by its name/identifier (ID).

When you select an item in the navigation area, its name/ID is highlighted. When you log in to a network element, a black outline appears around its name/ID.

For the OPTera Metro 3000 series, network elements can appear in the navigation area as individual entries, or as part of a network processor span of control. If you log directly in to a network element, the navigation area displays the network element entry.

Connecting to an OPTera Metro 3000 series network processor

When you connect to a network processor, the navigation area displays the network processor entry and the network elements in the associated span of control. (The navigation area refreshes with the new network processor data if there was a previous connection.) You can connect to only one network processor at a time.

The network elements within a network processor span of control are represented in the navigation area as items branching from the network processor. This is the navigation tree.

Once you connect to the network processor, you can select and log in to multiple network elements simultaneously. See [Selecting multiple network elements \(OPTera Metro 3000 series\) on page 3-17](#).

When you display a network processor span of control in the navigation area, you must log in to each network element and select it before you can view or edit the network element details. Select a network element from the navigation area to enable the associated menus and commands.

Navigation area details for the OPTera Packet Edge system

The navigation area displays the Packet Edge network, all rings in the network, and each circuit pack that is part of a ring. Circuit packs are identified by their system names if the system name is unique; otherwise, circuit packs are identified by their CPU port IP address.

Note: For data management of a Packet Edge circuit pack through Site Manager, you log in directly to the circuit pack using your SNMP read/write/all community string. For details, refer to the *OPTera Packet Edge System User Guide for OPTera Metro 3000 series*, (NTN465YG). For SONET management of a Packet Edge circuit pack through Site Manager, you log in to the network processor whose span of control includes the network element that contains the Packet Edge circuit pack. For details, refer to *Security and Administration* (323-1051-302 for OPTera Metro 3300/3400 or 323-1059-302 for OPTera Metro 3500).

Alarm notification

The navigation area displays alarm notification for individual network elements, for a network processor span of control, or for a Packet Edge network. The alarm notification appears next to the network processor, network element, or Packet Edge circuit pack affected by the alarm. The alarm notification includes an alarm label and color highlighting.

Alarm label

The components of the alarm label can include the following items.

number	Indicates the number of alarms of the highest severity that are active on the network element.
C	One or more alarms with a critical severity are active on the network element.
M	One or more alarms with a major severity, but no alarms with a critical severity, are active on the network element.
m	One or more alarms with a minor severity, but no alarms with a critical or major severity, are active on the network element.
W	One or more warnings are active on the network element.
* (asterisk)	One or more threshold-crossing alerts are active on the network element.
+ (plus sign)	One or more alarms with a lower severity are also active on the network element.

Color highlights

The alarm label can have one of the following color highlights:

- red for critical and major alarms
- orange for minor alarms
- yellow for warnings

Note: The alarm label does not indicate a severity level of threshold-crossing alerts.

Use the Clear Highlighting button in the Alarm banner to remove the color highlights for active alarms. The Clear Highlighting button is the button with the red and white overlapping squares. When the alarm count changes, the alarm label shows color highlights for the alarm with the highest severity level.

The alarm notification in the navigation area appears with the information displayed in the alarm banner. For more information on the alarm banner, see [Alarm banner on page 3-7](#).

Alarm banner

The alarm banner displays the total number of active alarms for all network elements or for the Packet Edge network that you are connected to. You must be logged in to activate the alarm banner.

The alarm banner displays counts of alarms with critical, major, and minor severities, and warnings. The alarm banner displays an asterisk to indicate threshold-crossing alerts. The alarm counts represent the total of new, active, and acknowledged alarms. The alarm counts update as alarms are raised or cleared.

The alarm banner displays color highlights to notify you of changes to the alarm counts. When the alarm count changes, the alarm banner shows color highlights for the alarm with the highest severity level. The color highlights do not appear for changes in the alarm count caused by user connections. For more information on the color highlights, see [Alarm severity levels on page 3-7](#).

If Site Manager cannot communicate with a network element or with a Packet Edge circuit pack, the right side of the alarm banner displays a question mark (?).

To see the total alarm counts for individual network elements, for a network processor span of control, or for a Packet Edge network that you are logged in to, see [Alarm notification on page 3-6](#).

Alarm severity levels

The alarm banner displays separate alarm count fields for alarms with critical, major, and minor severities; warnings; and threshold-crossing alerts.

Alarm count fields

The alarm count fields are as follows:

C	Displays the number of alarms with a critical severity that are active on all network elements or Packet Edge circuit packs that you are logged in to.
M	Displays the number of alarms with a major severity that are active on all network elements or Packet Edge circuit packs that you are logged in to.
m	Displays the number of alarms with a minor severity that are active on all network elements or Packet Edge circuit packs that you are logged in to.
W	Displays the number of warnings that are active on all network elements or Packet Edge circuit packs that you are logged in to.

The alarm count indications are as follows:

- number In the C, M, m, and W alarm count fields, indicates the number of alarms of that severity, or warnings that are active on all network elements or Packet Edge circuit packs that you are logged in to.
- * In the alarm count field, indicates that one or more threshold-crossing alerts are active on one or more network elements that you are logged in to. (Not applicable to the OPTera Packet Edge system.)
- In the alarm count field, indicates that no alarms of that severity, warnings, or threshold-crossing alerts are active on all network elements or Packet Edge circuit packs that you are logged in to.

Color highlights

For critical, major, and minor alarms and warnings, the alarm banner displays a highlight color to notify you of the alarm with the highest severity. The color highlight appears as a background color in the alarm count field.

The alarm count field can have one of the following color highlights:

- red for critical and major alarms
- orange for minor alarms
- yellow for warnings

Note: The alarm banner does not indicate a severity level of threshold-crossing alerts.

Use the Clear Highlighting button in the Alarm banner to remove the color highlights for active alarms. The Clear Highlighting button is the button with the red and white overlapping squares. When the alarm count changes, the alarm label shows color highlights for the alarm with the highest severity level.

Note: The alarm count field does not show color highlights if the cause of changes to the alarm count are due to Site Manager user connections to network elements.

View/edit area

The view/edit area appears on the right side of the Site Manager main window. The view/edit area allows you to view or edit information for any of the following:

- network element (OC-48 Lite Multiplexer or OPTera Metro 3000 series)
- network processor (OPTera Metro 3000 series)
- Packet Edge circuit pack, Packet Edge ring, or the Packet Edge network (OPTera Packet Edge system)

When you log in and select an item in the navigation area, the view/edit area displays the related information. The contents of the view/edit area vary with the selected product and the selected command from the menus. When you log in to Site Manager and select a network element, network processor, or Packet Edge circuit pack, the Node Information window is the default display.

Menu bar

The menu bar is at the top of the Site Manager main window. You must log in to and select an item from the navigation area to enable the associated menus and commands.

The menu bar contains the following drop-down menus:

- File
- Edit
- Faults
- Configuration
- Performance
- Security
- Protection (Not applicable for the OPTera Packet Edge system)
- Window
- Help

The availability and contents of the drop-down menus change to reflect the available applications for the item selected in the navigation area. Commands that are not available are grayed out. Some commands are restricted by the security level of the user ID you use to log in to Site Manager.

Note: For information on the commands available in the menu bar, refer to the product documentation or online help.

Keyboard shortcuts

You can use the keyboard to access the menu options and associated commands. The key combination for menu access is shown in parentheses after the menu title. The key for a command is the underlined letter in the command list. Keyboard shortcuts appear on the menu next to the command.

Status message area

The status message area is a single-line text field at the bottom of the main window that displays status messages for Site Manager.

The connection status is displayed on the right side of the status message area. The information displayed in the “Connected to” message depends on the connection type.

- network connection to a network element:
Connected to: <IP address>, <port>
- direct connection with a serial cable to a network element:
Connected to: <port_name>
- modem connection to a network element:
Connected to: <telephone#>

Site Manager does not maintain a history of status messages.

Customizing the display

You can modify the layout of the Site Manager display. Refer to the following procedures:

- [Resizing windows on page 3-18](#)
- [Resizing table columns on page 3-19](#)
- [Sorting table columns on page 3-20](#)
- [Sorting table rows on page 3-21](#)
- [Displaying multiple windows on page 3-24](#)

Online help

Site Manager uses Sun Microsystems JavaHelp to provide procedures and context-sensitive information on windows and dialog boxes.

The online help has a toolbar and two areas (see [Online help on page 3-12](#)).

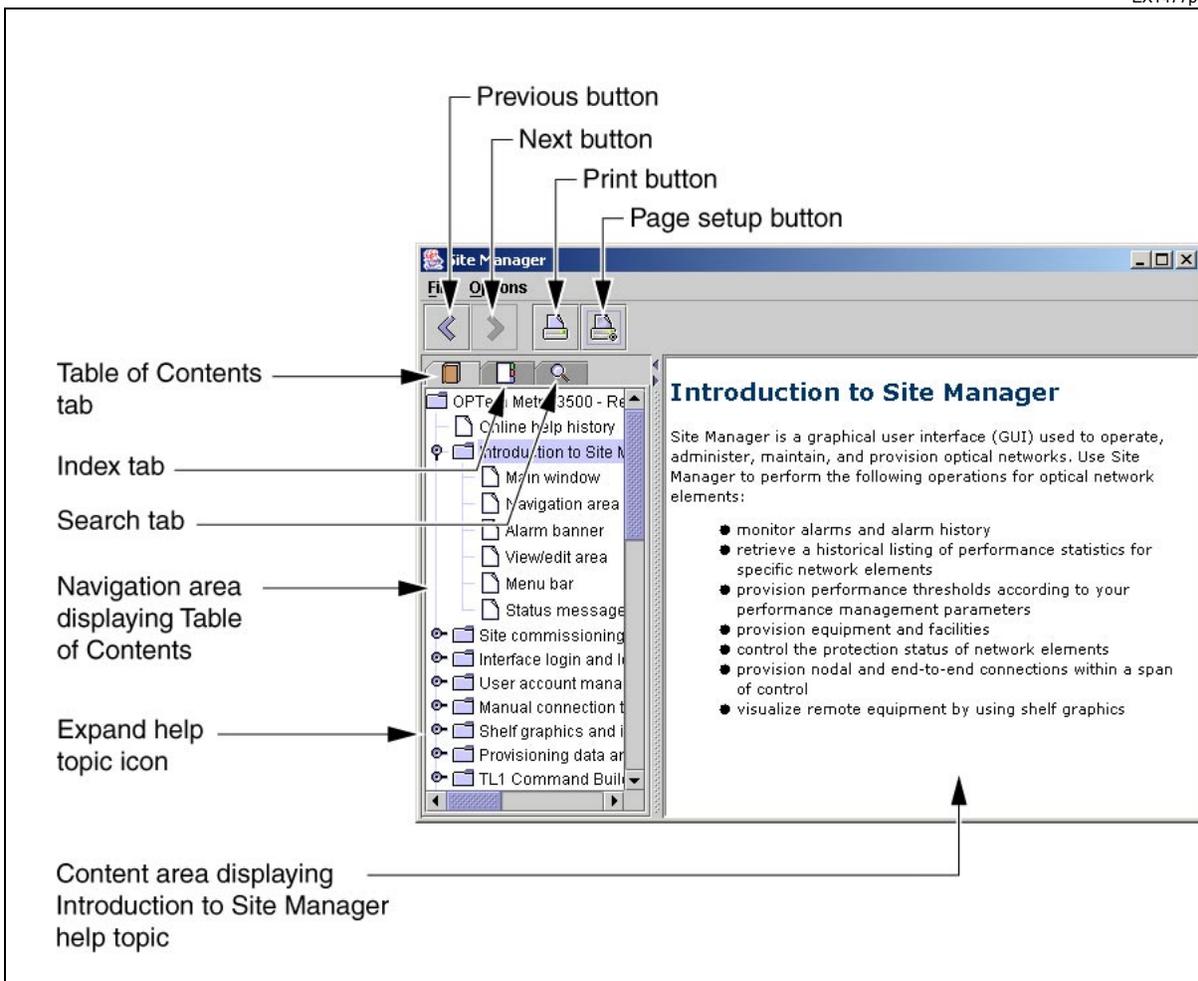
Toolbar	Contains the Previous, Next, and Print buttons.	
	Previous button	Click to retrace help topics in reverse order of the original selections, starting from the current help display.
	Next button	Click to retrace help topic selections in the same order as the original selections, starting from the current help display. The Next button is active only if you used the Previous button earlier during a session.
	Print button	Click to print the help topic text.
Content area	Displays help topic text.	
Navigation area	Select a tab to switch between the table of contents, index, and full text search displays.	
	Table of Contents	Select the left tab to see the table of contents of the help topics. You can expand and collapse the help topics.
	Index	Select the middle tab to see the index of help topics.
	Full text search	Select the right tab to search for a specific word or part of a word contained in the help topic.

For more information on the online help, see

- [Online help terminology on page 3-13](#)
- [Displaying online help on page 3-26](#)
- [Navigating through online help on page 3-27](#)
- [Printing an online help topic on page 3-29](#)

Figure 3-1
Online help

EX1477p.tif



Online help terminology

The Site Manager online help uses the following terms to describe the graphical user interface components:

Dialog box	A dialog box allows you to adjust operating variables. It appears in a window separate from the main screen. A dialog box does not contain menus. You cannot change the size of a dialog box.
Drop-down list	A drop-down list is a list that appears when you click the arrow button on the right side of a field.
Drop-down menu	A drop-down menu is a menu of commands that you can select by clicking on the menu name on the menu bar.
Links	Links (blue, underlined or bold text) take you to another place in the Help. Underlined text links to another topic that appears in the content area. Bold text links to another topic in a separate secondary or pop-up window.
Pop-up menu	A pop-up menu is a menu that appears when you right-click on a window or a dialog box.
Scroll bar	A scroll bar appears at the right or bottom edge of a dialog box when the contents are not completely visible. Each scroll bar contains two scroll arrows and a scroll box. Use the scroll arrows and the scroll box to scroll through the contents of the dialog box or area.
Window	A window appears in the view/edit area of Site Manager. It displays information related to the command selected from a menu. The Node Information window appears by default when you log in.

Procedure 3-1 Starting Site Manager

Use this procedure to start a Site Manager session on a PC, HP-UX-11, or Sun Solaris workstation.

Note 1: For information on starting Site Manager from a Nortel Networks Preside workstation, see the *Preside Applications Platform Interface Login User Guide*, 450-3101-012, or the Preside online information.

Note 2: For information on logging in, consult the following documents depending on the product:

- for OPTera Metro 3000 series, see *Nortel Networks OPTera Metro 3500 Multiservice Platform, Security and Administration*, 323-1059-302 or the *Nortel Networks OPTera Metro 3300/3400 Multiservice Platform, Security and Administration*, 323-1051-302.
- for an OPTera Packet Edge system, see *Nortel Networks OPTera Packet Edge System User Guide for OPTera Metro 3000 series*, NTN465YG.
- for OC-48 Lite Multiplexer, see *Nortel Networks OC-48 Lite Multiplexer Preside Site Manager User Guide*, NTL565BB.

Requirements

Before you begin this procedure, ensure that Site Manager is installed on the PC, HP-UX-11, or Sun Solaris workstation. Refer to [Chapter 2, Site Manager installation](#) for more information on installing Site Manager.

Step	Action				
1	<table><tr><td>If you installed Site Manager on a PC</td><td>Then go to step 2</td></tr><tr><td>HP-UX-11 or Sun Solaris workstation</td><td>step 3</td></tr></table>	If you installed Site Manager on a PC	Then go to step 2	HP-UX-11 or Sun Solaris workstation	step 3
If you installed Site Manager on a PC	Then go to step 2				
HP-UX-11 or Sun Solaris workstation	step 3				

Starting Site Manager on a PC

- 2 Click the Start button on the Windows task bar, then select: Programs, <SiteManager>, PresideSiteManager.
- where
- <SiteManager> is the folder where you installed Site Manager. If you kept the default settings during the installation, the folder is "PresideSiteManager".

Site Manager opens. The Login dialog box is displayed.

You have completed this procedure.

—continued—

Procedure 3-1 (continued)
Starting Site Manager

Step	Action
-------------	---------------

Starting Site Manager on an HPUX-11 or Sun Solaris workstation

- | | |
|----------|--|
| 3 | Change to the directory where Site Manager is installed by entering
cd <directory> ↵
where
<directory> is the directory where you installed Site Manager. If you kept the default settings during the installation, the directory is “/opt/nortel/applications/sitemanager”. |
| 4 | Start Site Manager by entering
sh SiteManager ↵
<i>Site Manager opens. The Login dialog box is displayed.</i>
You have completed this procedure.
—end— |

Procedure 3-2 Closing Site Manager

Use this procedure to close a Site Manager session.

Step	Action
1	Select Exit from the File drop-down menu.
2	Click OK in the confirmation dialog box.

—end—

Procedure 3-3 Selecting multiple network elements (OPTera Metro 3000 series)

Use this procedure to select multiple network elements.

You can perform the following actions simultaneously on selected network elements.

- autologin
- login as
- logout

For more information on login and logout procedures, see *OPTera Metro 3300/3400 Multiservice Platform Security and Administration*, 323-1051-302 or *OPTera Metro 3500 Multiservice Platform Security and Administration*, 323-1059-302.

Step	Action						
1	Ensure that you are logged in to the network processor. See: <ul style="list-style-type: none"> • <i>OPTera Metro 3300/3400 Multiservice Platform Security and Administration</i>, 323-1051-302, or • <i>OPTera Metro 3500 Multiservice Platform Security and Administration</i>, 323-1059-302 						
2	<table border="0" style="width: 100%;"> <tr> <td style="width: 70%;">If you want to select</td> <td style="width: 30%; text-align: right;">Then go to</td> </tr> <tr> <td>all network elements in the navigation tree</td> <td style="text-align: right;">step 3</td> </tr> <tr> <td>multiple (but not all) network elements in the navigation tree</td> <td style="text-align: right;">step 4</td> </tr> </table>	If you want to select	Then go to	all network elements in the navigation tree	step 3	multiple (but not all) network elements in the navigation tree	step 4
If you want to select	Then go to						
all network elements in the navigation tree	step 3						
multiple (but not all) network elements in the navigation tree	step 4						

Selecting all network elements

- 3 Press Ctrl+A.
You have completed this procedure.

Selecting multiple network elements

- 4 Click on a network element in the navigation area to select it.
- 5 Press and hold the Ctrl key.
- 6 Click on each additional network element you want to select.
- 7 Release the Ctrl key.
You have completed this procedure.

—end—

Procedure 3-4 Resizing windows

Use this procedure to change the size of the Site Manager window or navigation area.

Step	Action								
1	Hold the cursor over the border of the window or area you want to resize. <table><tr><td>If you want to modify</td><td>Then hold the cursor over the</td></tr><tr><td>the width</td><td>right or left border</td></tr><tr><td>the height</td><td>top or bottom border</td></tr><tr><td>both the width and the height simultaneously (applicable to windows only)</td><td>window corner</td></tr></table>	If you want to modify	Then hold the cursor over the	the width	right or left border	the height	top or bottom border	both the width and the height simultaneously (applicable to windows only)	window corner
If you want to modify	Then hold the cursor over the								
the width	right or left border								
the height	top or bottom border								
both the width and the height simultaneously (applicable to windows only)	window corner								

2 When the cursor changes to a double-ended arrow, click and hold the left mouse button and drag the border until the window or area is the required size.

3 Release the left mouse button.

Note: The navigation area and window size return to the default size when you exit Site Manager.

—end—

Procedure 3-5 Resizing table columns

Use this procedure to change the width of a table column in Site Manager.

Step	Action
1	Place the cursor in the table heading, over the right margin of the column you want to resize.
2	When the cursor changes to a double-ended horizontal arrow icon (<—>), click and hold the left mouse button while you drag the border of the column to the required column width.
3	Release the left mouse button.

Note: The table column width returns to the default width when you log out of the network element or exit from Site Manager.

—end—

Procedure 3-6

Sorting table columns

Use this procedure to change the order of columns in a table in Site Manager.

Step	Action
1	Select the column that you want to move by clicking and holding the left mouse button on the column heading.
2	Drag the column to the new location.
3	Release the left mouse button.

Note: The order of columns in the table returns to the default display when you log out of the network element or exit Site Manager.

—end—

Procedure 3-7

Sorting table rows

Use this procedure to sort the rows in a table in ascending or descending alphanumerical order according to the content of one column.

Step	Action
------	--------

- 1 To sort the rows in a table, click on the column heading. The column heading that controls the sorting order for the table appears in a bold typeface.

Note 1: You cannot sort the table rows in all windows.

Note 2: All columns are sorted alphanumerically except the Date and Time columns. Date and Time columns are sorted by date and then time.

Note 3: The order of rows in the table returns to the default display order after you close the window.

- 2 To sort the rows in the opposite order, pause, then click again on the same column heading.

Note: A double-click on a column heading has the same result as a single-click.

—end—

Procedure 3-8 Copying table data

Use this procedure to copy table data. You can then paste the table data into another application, such as a text editor.

Step	Action										
1	Display the window that includes the table.										
2	Select the row(s) in the table: <table><thead><tr><th>If you want to</th><th>Then</th></tr></thead><tbody><tr><td>copy a single row of the table</td><td>click on the row, then select Copy from the Edit drop-down menu, or press Ctrl+C</td></tr><tr><td>copy the entire table</td><td>click on a row, then select Copy Table from the Edit drop-down menu, or press Ctrl+T</td></tr><tr><td>select a group of (consecutive) rows</td><td>click on the first row in the selection, press and hold the Shift key, then click on the last row in the selection</td></tr><tr><td>select a group of nonconsecutive rows</td><td>click on the first row in the selection, press and hold the Ctrl key, then click the remaining rows in the selection</td></tr></tbody></table>	If you want to	Then	copy a single row of the table	click on the row, then select Copy from the Edit drop-down menu, or press Ctrl+C	copy the entire table	click on a row, then select Copy Table from the Edit drop-down menu, or press Ctrl+T	select a group of (consecutive) rows	click on the first row in the selection, press and hold the Shift key, then click on the last row in the selection	select a group of nonconsecutive rows	click on the first row in the selection, press and hold the Ctrl key, then click the remaining rows in the selection
If you want to	Then										
copy a single row of the table	click on the row, then select Copy from the Edit drop-down menu, or press Ctrl+C										
copy the entire table	click on a row, then select Copy Table from the Edit drop-down menu, or press Ctrl+T										
select a group of (consecutive) rows	click on the first row in the selection, press and hold the Shift key, then click on the last row in the selection										
select a group of nonconsecutive rows	click on the first row in the selection, press and hold the Ctrl key, then click the remaining rows in the selection										

Note: Selecting groups of rows is supported for some tables only.

—end—

Procedure 3-9 Printing or saving tables

Use this procedure to print or save a table from Site Manager. Use this procedure if you want to print or save the complete table. If the window includes more than one table, all tables are printed or saved.

Note: If you want to print or save specific rows of a table, complete the procedure [Copying table data on page 3-22](#), paste the contents into another application (such as a text editor), and then print or save the data from that application.

Step	Action
------	--------

1	Display the window or dialog box that includes the table.						
2	<table border="1"> <thead> <tr> <th>If you want to</th> <th>Then go to</th> </tr> </thead> <tbody> <tr> <td>print a table</td> <td>step 3</td> </tr> <tr> <td>save a table</td> <td>step 6</td> </tr> </tbody> </table>	If you want to	Then go to	print a table	step 3	save a table	step 6
If you want to	Then go to						
print a table	step 3						
save a table	step 6						

Printing a table

- | | |
|---|--|
| 3 | Print the table as follows: <ul style="list-style-type: none"> If the table appears in a window, select Print from the File menu, or press Ctrl-p. If the table appears in a dialog box, press Ctrl-p. |
| 4 | In the Print dialog box, select a printer and the printing preferences. |
| 5 | Click OK. |

Saving a table

- | | |
|---|---|
| 6 | Save the table as follows: <ul style="list-style-type: none"> If the table appears in a window, select Save As from the File menu, or press Ctrl-s. If the table appears in a dialog box, press Ctrl-s. |
| 7 | In the Save As dialog box, select the drive and folder where you want to save the file. |
| 8 | Type the file name in the File name field. |
| 9 | Click Save. |
- The file is saved using the comma-delimited file format.

—end—

Procedure 3-10 Displaying multiple windows

Use this procedure to open the Shelf Level View or the Active Alarms in a window separate from the main screen.

Step	Action						
1	<table><tr><td>If you want to display the</td><td>Then go to</td></tr><tr><td>Shelf Level View in a separate window</td><td>step 2</td></tr><tr><td>Active Alarms in a separate window</td><td>step 4</td></tr></table>	If you want to display the	Then go to	Shelf Level View in a separate window	step 2	Active Alarms in a separate window	step 4
If you want to display the	Then go to						
Shelf Level View in a separate window	step 2						
Active Alarms in a separate window	step 4						

Displaying the Shelf Level View in a separate window

Note: The Shelf Level View application is not applicable to an OPTera Packet Edge system.

- 2 Select Shelf Level View from the Configuration drop-down menu to display the Shelf Level View window.
- 3 Do one of the following:
 - Select Open In New Window from the File drop-down menu.
 - Right-click the Shelf Level View window title bar, and select Open In New Window from the pop-up menu.

The Shelf Level View window appears in a window separate from the main screen. The main screen displays the Node Information window. Both windows function independently.

Displaying the Active Alarms in a separate window

- 4 Select Active Alarms from the Faults drop-down menu to display the Active Alarms window.
- 5 Do one of the following:
 - Select Open In New Window from the File drop-down menu.
 - Right-click the Active Alarms window title bar, and select Open In New Window from the pop-up menu.

The Active Alarms window appears in a window separate from the main screen. The main screen displays the Node Information window. Both windows function independently.

Note: Use the Window drop-down menu on any open window to toggle between the windows.

—end—

Procedure 3-11

Editing Site Manager preferences

Use this procedure to set the following preferences for Site Manager:

- open either the Login dialog box or Login Manager window when you start Site Manager
- set the number of Host Name/Address or Login NE entries in the recent history drop-down list for these fields in the Login dialog box
- change the default directory from the current working directory

Step	Action
------	--------

- | | |
|---|--|
| 1 | Select Preferences from the Edit drop-down menu to open the Edit Preferences dialog box. |
|---|--|

Setting the login method

- | | |
|---|---|
| 2 | Select the Login tab. |
| 3 | Under Startup, select the Login Dialog or Login Profile Manager radio button. |

Setting the number of Host Name/Address or Login NE entries in the recent history drop-down list

- | | |
|---|---|
| 4 | Select the Login tab. |
| 5 | Under Login Dialog, type the required number of entries (between 1 and 100) in the Host Name/Address list or Login NE list. |

Changing the default directory

- | | |
|---|--|
| 6 | Select the Default Directory tab. |
| 7 | Click Choose. |
| 8 | Search for and select the directory to use for the default directory according to the documentation for your operating system. |
| 9 | Click Select. |

Closing the Edit Preferences dialog box

- | | |
|----|-----------|
| 10 | Click OK. |
|----|-----------|

—end—

Procedure 3-12 Displaying online help

Use this procedure to display online help for Site Manager.

Step	Action
1	Display context-sensitive help by: <ul style="list-style-type: none">• selecting Current Window F1 from the Help drop-down menu• clicking the Help button, if available, on the associated dialog box• pressing F1 (on PC workstations) <p>Note: F1 help is not available in the Terminal dialog box.</p>

—end—

Procedure 3-13

Navigating through online help

Use this procedure to navigate through online help.

You can navigate the Site Manager online help through the Table of contents, the Index, or the Full-text search options from the navigation area. The Table of contents and Index are organized as a list of topics that you can expand and collapse. The full-text search allows you to search for a word or part of a word in the online help; the Site Manager help system will display all entries that match the search string.

Step	Action
------	--------

1	If you want to use the	Then go to
	table of contents	step 2
	index	step 5
	full-text search	step 8

Using the table of contents

- 2 Select the Table of contents tab in the navigation area. The Table of contents tab is the left tab.
- 3 Expand the help topic entry in the navigation area by selecting the expand icon.
- 4 Select the help topic entry.
The Help browser content area displays the selected information.

Using the index

- 5 Select the Index tab in the navigation area. The Index tab is the middle tab.
- 6 Enter a term in the Find field.
- 7 Press Enter.
Note: The index Find field is case-sensitive. Each time you press Enter, the find term is highlighted in the index. The matching topic is displayed in the content area.

Using the full-text search

- 8 Select the Search tab in the navigation area. The Search tab is the right tab.
- 9 Enter a term in the Find field.

—continued—

Procedure 3-13 (continued)

Navigating through online help

Step	Action
-------------	---------------

10	Press Enter.
-----------	--------------

The navigation area displays topics that contain a partial or full match of the search term. Topics are listed in descending order of relevance. The order of the topics in the list is determined by:

- the type of match; for example, if the topic contains a partial or full match
- the number of times the search term occurs in the topic

A topic that contains two exact matches with the search term may appear higher in the list than a topic that contains five partial matches. A circle and a number appear beside each topic in the list. The circle indicates the relevance of the topic and the number indicates the number of times the full or partial search term appears within the topic.

—end—

Procedure 3-14

Printing an online help topic

Use this procedure to print an online help topic.

Step	Action
1	Display the Help window. For instructions, see Displaying online help on page 3-26 .
2	Click the Print icon on the toolbar of the Help window.

—end—

Ordering information

This chapter describes the software and documentation components for Site Manager Release 6.0. This chapter also identifies the Nortel Networks product engineering codes (PECs) required to order the components.

To order Site Manager Release 6.0, contact your local Nortel Networks support organization.

Software

[Table 4-1](#) identifies the PEC for ordering software components for Site Manager Release 6.0.

Table 4-1
PEC for Site Manager software components

Software component	PEC
Site Manager Release 6.0 Application Kit includes: <ul style="list-style-type: none"> • Site Manager Release 6.0 Software • Site Manager Release 6.0 Planning and Installation Guide (electronic version on CD) 	NTNM14FA

Certificate

[Table 4-2](#) identifies the PECs for ordering a right-to-use (RTU) certificate for Site Manager Release 6.0. You need to order an RTU for each network element.

Table 4-2
PECs for RTU certificates

RTU description	PEC
Site Manager Release 6.0 Upgrade RTU	NTNM79FA
Site Manager Release 6.0 OC-48 Lite Multiplexer RTU	NTNM79FB
Site Manager Release 6.0 OPTera Metro 3000 Series RTU	NTNM79FC

Documentation

Table 4-3 identifies the PEC for ordering the printed version of this document.

Table 4-3
PEC for Site Manager Release 6.0 Planning and Installation Guide

Software component	PEC
Site Manager Release 6.0 Planning and Installation Guide	NTNM35FA

Table 4-4 identifies the PECs for ordering documentation for products supported by Site Manager Release 6.0.

Table 4-4
PECs for documentation

Product	Release	Document(s)
OC-48 Lite Multiplexer	1.1	<ul style="list-style-type: none"> • <i>Planning Guide</i>, NTLS63AB • <i>Preside Site Manager User Guide</i>, NTLS65BB • <i>Preside Site Manager Alarm Clearing Guide</i>, NTLS65CB
OPTera Metro 3100	4.02	<ul style="list-style-type: none"> • <i>OPTera Metro 3100 Multiservice Platform Planning Guide</i>, NTRJ10AF • <i>OPTera Metro 3100 Multiservice Platform Ordering Guide</i>, NTRJ11AE
OPTera Metro 3300/3400 Multiservice Platform	9.1	<i>OPTera Metro 3300/3400 Multiservice Platform Release 9.1 Planning and Ordering Guide</i> , NTRN11AK (see Note)
	11.1	<i>OPTera Metro 3300/3400 Multiservice Platform Release 11.1 Planning and Ordering Guide</i> , NTRN11AL (see Note)
OPTera Metro 3500 Multiservice Platform	10.1	<i>OPTera Metro 3500 Multiservice Platform Release 10.1 Planning and Ordering Guide</i> , NTRN10AK (see Note)
	10.3	<i>OPTera Metro 3500 Multiservice Platform Release 10.3 Planning and Ordering Guide</i> , NTRN13AL (see Note)
	11.0	<i>OPTera Metro 3500 Multiservice Platform Release 11.0 Planning and Ordering Guide</i> , NTRN10AL (see Note)
	12.0	<i>OPTera Metro 3500 Multiservice Platform Release 12.0 Planning and Ordering Guide</i> , NTRN10AM (see Note)
Note: The Planning and Ordering Guide includes the complete list of PECs for documentation.		

Nortel Networks

Site Manager 6.0

Planning and Installation Guide

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