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Release Notes for Site Manager Software Version 14.0.3

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Site Manager Version 14.0.3 is a software release that includes bug fixes and new features added since Site Manager Version 14.0.2. These release notes contain guidelines for using Site Manager Version 14.0.3.

Before You Begin

Before using this guide, you must complete the following procedures. For a new router:

- Install the router (see the installation guide that came with your router).
- Connect the router to the network and create a pilot configuration file (see *Quick-Starting Routers*, *Configuring Remote Access for AN and Passport ARN Routers*, or *Connecting ASN Routers to a Network*).

Make sure that you are running the latest version of Nortel Networks* BayRS* and Site Manager software. For information about upgrading BayRS and Site Manager, see the upgrading guide for your version of BayRS.

Text Conventions

This guide uses the following text conventions:

bold text	Indicates command names and options and text that you need to enter. Example: Enter show ip {alerts routes} . Example: Use the dinfo command.
<i>italic text</i>	Indicates new terms, book titles, and variables in command syntax descriptions. Where a variable is two or more words, the words are connected by an underscore. Example: If the command syntax is: show at <valid_route> <i>valid_route</i> is one variable and you substitute one value for it.
screen text	Indicates system output, for example, prompts and system messages. Example: Set Trap Monitor Filters
separator (>)	Shows menu paths. Example: Protocols > IP identifies the IP option on the Protocols menu.

Acronyms

This guide uses the following acronyms:

IP	Internet Protocol
TCP	Transmission Control Protocol
TPID	tag protocol identifier
WEP	WAN Encryption Protocol

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Europe, Middle East, and Africa	(33) (4) 92-966-968
North America	(800) 4NORTEL or (800) 466-7835
Asia Pacific	(61) (2) 9927-8800
China	(800) 810-5000

Additional information about the Nortel Networks Technical Solutions Centers is available from the www.nortelnetworks.com/help/contact/global URL.

An Express Routing Code (ERC) is available for many Nortel Networks products and services. When you use an ERC, your call is routed to a technical support person who specializes in supporting that product or service. To locate an ERC for your product or service, go to the <http://www130.nortelnetworks.com/cgi-bin/eserv/common/essContactUs.jsp> URL.

Release Notes for Site Manager Software Version 14.0.3

These release notes include information about the following topics:

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Site Manager and BayRS Compatibility

As of BayRS Version 14.00, the Site Manager software version number matches that of BayRS. For example, the version of Site Manager that ships with BayRS Version 14.0.3 is Site Manager Version 14.0.3. We have made this change to help you align versions of Site Manager with versions of BayRS.

Site Manager Version 14.0.3 supports two previous BayRS major releases: BayRS Version 12.x and BayRS Version 13.x.

Site Manager System Requirements

See the section that applies to your PC or UNIX workstation.

PC Requirements

Site Manager for the PC requires the following hardware and software:

- 486 PC (Pentium recommended)
- Microsoft* Windows* 95 (32 bit), Windows NT* 4.0 (32 bit), or Windows 98 (32 bit)
- Microsoft TCP/IP protocol stack provided with Windows and a compatible network adapter and driver
- 16 MB of RAM (minimum)
- 75 MB of free disk space
- CD-ROM drive
- VGA monitor (SuperVGA monitor recommended)



Caution: Read the following instructions before upgrading to Windows 95.

If you purchased a computer with Windows 95 and a network adapter installed, most likely you have the correct TCP/IP protocol stack, network adapter, and driver. Proceed to “Testing TCP/IP” in Chapter 8 of *Quick-Starting Routers*.

If you need to upgrade from Windows 3.1 to Windows 95, first uninstall any existing 16-bit TCP/IP stack, such as Distinct TCP/IP Run Time. Otherwise, Windows 95 will install the existing stack instead of the Microsoft TCP/IP protocol stack.

If you already upgraded from Windows 3.1 to Windows 95, and the upgrade kept an existing 16-bit TCP/IP stack, such as Distinct TCP/IP Run Time, you must uninstall the 16-bit TCP/IP stack before adding the Microsoft TCP/IP protocol stack.

To uninstall a 16-bit TCP/IP stack, see the TCP/IP provider's documentation and support for help in removing the stack's path statements, *services* file, and *winsock.dll* files dated prior to July 11, 1995. (That is the date of the *winsock.dll* file installed by Windows 95.)

To add or update a protocol, network adapter, or driver, see the appropriate documentation and support from Microsoft and the adapter manufacturer. You add protocols and driver updates from the Network option of the Control Panel. You add new network adapters and their drivers from the Add New Hardware option of the Control Panel.

Windows 95 attempts to match a driver to the network adapter installed on your computer. If Windows 95 cannot find a compatible driver, you must update the driver. Contact the adapter manufacturer for the latest drivers. Microsoft and other Windows 95 Web sites might also have updated drivers.

See the *Microsoft Windows 95 Resource Kit* for additional technical information about these issues. A copy of this guide is available from Microsoft Press*.

IBM/AIX Requirements

To run Site Manager, your IBM workstation requires the following hardware and software:

- Supported workstations:
 - IBM RS/6000 340, 370
 - PowerPC
- Supported operating system: IBM* AIX* Version 4.2
- Window environments:
 - CDE 1.0.1
 - AIX Motif 1.2
- 32 MB of RAM (64 MB recommended)
- 80 MB of disk space
- 32 MB of swap space (64 MB recommended; with NetView for AIX, 96 MB of swap space is required)
- Network adapter appropriate for your network

- CD-ROM drive

HP 9000 Requirements

To run Site Manager, your HP* 9000 requires the following hardware and software:

- Supported workstations: HP 9000 Series 700 or 800
- Supported operating system: HP-UX 10.20, including the complete *services* (network services) directory
- Window environment: CDE 1.0.1
- 32 MB of RAM
- 95 MB of disk space
- 32 MB of swap space (64 MB recommended)
- Network adapter appropriate for your network
- CD-ROM drive

SPARCstation Requirements

To run Site Manager, your SPARCstation* requires the following hardware and software:

- Supported workstations:
 - SPARCstations 5, 10, 20
 - UltraSPARCstation
- Supported operating systems:
 - Solaris* 2.5, 2.5.1, and 2.6



Note: Site Manager Version 14.0.3 does not include SunOS support.

- Window environment for Solaris:
 - CDE 1.0.1
 - OpenWindows 3.5

- 32 MB of RAM (64 MB recommended)
- 32 MB of swap space
- 85 MB of disk space
- Network adapter appropriate for your network
- CD-ROM drive

Maximum Number of Well-Known Connections

Site Manager supports up to 500 well-known connections.



Caution: Do not add more than the maximum number of connections.

General Guidelines for Version 14.0.3

Follow these guidelines when you use Site Manager Version 14.0.3.

Site Manager

During dynamic configuration of an L2TP circuit, Site Manager takes more than 2 minutes to create all required circuits and related MIB instances.

WEP Configuration Support

We merged the capability to configure the WAN Encryption Protocol (WEP) into Site Manager beginning with Version 6.20. Site Manager Version 14.0.3 lets you configure BayRS with (or without) the DES-40 or DES-56 WAN Encryption Option installed.

To use the DES-40 or DES-56 WAN Encryption Option, you must purchase the WEP executables for BayRS Version 14.0.3 software.

SunOS 4.1.4 Support Discontinued for Site Manager

Site Manager Version 14.0.3 does not operate with SunOS, but will continue to work with Solaris and other supported operating systems.

Hi/fn Compression

If you have purchased the Hi/fn Compression CD for BayRS 14.0.3, you must install the Hi/fn executable into the BayRS 14.0.3 router kernel using Image Builder. To install Hi/fn, follow the instructions in the CD insert.

Installing Site Manager on Windows NT

The Windows NT platform supports Site Manager Version 14.0.3 software. The procedures for installing Site Manager on Windows NT and Windows 95 are essentially the same. However, if the TCP/IP *services* file is not in the default directory (*C:\WINNT\system32\drivers\etc*), the installation script prompts for the location of the directory.

For information about installing Site Manager software on Windows NT, see *Quick-Starting Routers* or the CD booklet *BayRS and Site Manager Software Installation*.

Socket Binding Messages with UNIX Network Management Systems

UNIX network management systems such as OpenView or SunNet Manager might prevent Site Manager from binding to the SNMP sockets. As a result, the Trap Manager fails to operate and issues the following messages:

```
wftraps: : Unable to bind udp/snmp sockets. (C3501)
```

```
wftraps: : Permission to bind a socket is denied. Verify that the
application is owned by "root", and that the permissions have been
configured to set the effective user id to that of the owner of the
file when the file is run. If the permissions are correct, another
process may have already bound to the udp ports. (C3501)
```

To solve this problem, close the network management system and its processes by terminating their process IDs, and then start Site Manager from the command line.

New X Resource File

We strongly recommend that you use the *WFSM_INSTALL* script to install Site Manager Version 14.0.3 on UNIX systems. The script installs the X resource file, *XSiteMgr*, into the windowing directory. If you do not run the script successfully, Site Manager might not run correctly.

If you choose to install Site Manager manually, without running the *WFSM_INSTALL* script, you must copy the *XSiteMgr* file from the Site Manager config directory to one of the following locations:

- \$HOME
- \$HOME/app-defaults
- /usr/x11/lib/app-defaults
- /usr/openwin/lib/app-defaults

If you are running Site Manager Version 14.0.3, and are also running earlier versions of Site Manager at the same time, you will see both the new *XSiteMgr* file and the previous version of the X resource file, *XJam*, in the windowing directory.

Color Compatibility Issue

If you are running Site Manager Version 14.0.3 on the HP-UX 10.20 platform, you might not be able to see all of the values options for parameters, because the colors do not display correctly on the screen.

Make sure that you are using the X resource file *XSiteMgr* (see the preceding section, “[New X Resource File](#)”). You must also set the environment variable *XUSERFILESEARCHPATH* to */usr/lib/X11/app-defaults/%N*. For example, if you are using the C shell, enter the following command:

setenv XUSERFILESEARCHPATH /usr/lib/X11/app-defaults/%N

Operating Limitations and Cautions

Be aware of the following limitations and cautions when using Site Manager 14.0.3:

- If you choose Statistics Manager > Tools > Launch Facility and then attempt to start the OSI L1 and OSI L2 route entry table, table 1 is empty if no L1 routes exist, even though L2 routes exist.
- Site Manager requires a value for the parameter Protocol Type (hex) as part of the 802.1Q configuration process. Despite the misleading parameter name, the entered value must be a decimal number in the range of 1514 through 65535. The displayed default value, 33024, is expressed in decimal notation. If you must enter a new value, use decimal notation. This value should be the decimal equivalent of the TPID field in the 802.1Q encapsulated frame. If the device on the remote side of the 100BASE-T interface is a Nortel Networks product, for example a member of the Passport^{*} line, it is not necessary to change the default value. Currently all Nortel Networks products insert a value of 33024 (or 8100 in hexadecimal notation) into the TPID field of 802.1Q frames.