Release Notes for Site Manager Software Version 15.6.0.0

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Contents

Preface

Site Manager Version 15.6.0.0 is a software release that includes bug fixes and new features added since Site Manager Version 15.5.0.0. These release notes contain guidelines for using Site Manager Version 15.6.0.0.

Hard-Copy Technical Manuals

You can print selected technical manuals and release notes free, directly from the Internet. Go to the www.nortel.com/support URL. Find the product for which you need documentation. Then locate the specific category and model or version for your hardware or software product. Use Adobe* Acrobat Reader* to open the manuals and release notes, search for the sections you need, and print them on most standard printers. Go to Adobe Systems at the www.adobe.com URL to download a free copy of the Adobe Acrobat Reader.

How to Get Help

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Release Notes for Site Manager Software Version 15.6.0.0

These release notes include information about the following topics:

Site Manager and BayRS Compatibility

Starting with 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 15.6.0.0 is Site Manager Version 15.6.0.0. We have made this change to help you align versions of Site Manager with versions of BayRS.

Site Manager Version 15.6.0.0 supports two previous BayRS major releases: BayRS Version 13.*x* and BayRS Version 14.*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 NT* Version 4.0 or Windows* 2000

- Microsoft TCP/IP protocol stack provided with Windows and a compatible network adapter and driver

- 32 MB of RAM (64 MB or more recommended)

- 95 MB of free disk space

- CD-ROM drive

- VGA monitor (SuperVGA monitor recommended)

If you purchased a computer with Windows NT Version 4.0 or Windows 2000 and have a network adapter installed, you most likely have the correct TCP/IP protocol stack, network adapter, and driver. Proceed to "Testing TCP/IP" in Chapter 8 of *Quick-Starting Routers*.

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 NT Version 4.0 or Windows 2000 attempts to match a driver to the network adapter installed on your computer. If your operating system cannot find a compatible driver, you must update the driver. Contact the adapter manufacturer for the latest drivers. Microsoft and other Windows and NT Web sites might also have updated drivers.

See the Resource Kit that came with your version of Windows 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 4.3
- Window environments:
  - CDE 1.0.1
  - AIX MOTIF* 1.2
- 32 MB of RAM (64 MB or more recommended)
- 140 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 workstation requires the following hardware and software:

- Supported workstations: HP 9000 Series 700 and 800
- Supported operating system: HP-UX 11.0, including the complete services (network services) directory
- Window environment: CDE 1.0.1
- 32 MB of RAM (64 MB or more recommended)
- 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:
    - SPARCstation 10 or 20
    - UltraSPARC*
- Supported operating systems:
    - Solaris* 2.7 and 2.8

→ **Note:** Site Manager Version 15.6.0.0 does not include SunOS support.

- Window environment:
    - CDE 1.0.1
    - OpenWindows 3.5
- 32 MB of RAM (64 MB or more recommended)
- 145 MB of disk space
- 32 MB of swap 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 15.6.0.0

Follow these guidelines when you use Site Manager Version 15.6.0.0.

Installing Site Manager on Windows NT

The Windows NT platform supports Site Manager Version 15.6.0.0 software. The procedures for installing Site Manager on Windows NT and Windows 2000 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 *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.

Hi/fn Compression

If you have purchased the Hi/fn* LZS Compression Option CD for BayRS Version 15.6.0.0, you must install the Hi/fn executable into the BayRS 15.6.0.0 router kernel using the Image Builder. To install Hi/fn, follow the instructions in the CD insert.

X Resource File

We strongly recommend that you use the WFSM_INSTALL script to install Site Manager Version 15.6.0.0 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 15.6.0.0, 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.

File Manager

Site Manager displays a *maximum* of 2048 files when viewing local files using File Manager.

Color Compatibility Issue

If you are running Site Manager Version 15.6.0.0 on the HP-UX 11.0 platform, you might not be able to see all of the values options for parameters, because the colors are not displayed correctly on the screen.

Make sure that you are using the X resource file XSiteMgr (see the preceding section, "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

Managing Boot Image Size Using the Image Builder

This section identifies the executable files and drivers that you can safely remove from your router's boot image using the Site Manager Image Builder tool to reduce the image size. This section also lists the executable files that are essential to Site Manager and that should never be removed. If you have any questions regarding the implications of removing any executable file, do not remove the file.

For more information about Image Builder, see Chapter 6, "Customizing Router Software Images," in *Configuring and Managing Routers with Site Manager.*

➡ **Note:** The image contains all executable files for the current router software. Most executable files have an extension of .exe. The exceptions are protocol files on the ATM Routing Engine (ARE) slots, which use the extension .ppc. The .ppc files are equivalent to .exe files. For example, instead of using ip.exe on an ARE slot, the router uses ip.ppc. The .ppb extension is associated with the FRE4 module.

Essential Executable Files - Do Not Remove

The following table lists the executable files that are essential to the operation of Site Manager and should never be removed using the Image Builder.

Essential Executable Files
arp.exe (.ppc)
debug.exe (.ppc)
ip.exe (.ppc)
lm.exe (.ppc)
pcap.exe (.ppc)
ping.exe (.ppc)
rarp.exe (.ppc)
run.exe (.ppc)
sh_csmac.exe (.ppc)
sh_fr.exe (.ppc)
sh_ip.exe (.ppc)
sh_snmp.exe (.ppc)

(continued)

Essential Executable Files
sh_sync.exe (.ppc)
sh_tcp.exe (.ppc)
sh_tftp.exe (.ppc)
tcp.exe (.ppc)

Removable Drivers and the Affected Modules

The following table lists the drivers that you can remove using the Image Builder as long as you are not using the associated module.

Driver	Affected Module
atmalc.exe	ATM Link Module Line
de100.exe	100M Ethernet Link Module
ds2180.exe	mk2180 Dual Sync Interface
ds2181.exe	mk2181 Dual Sync Interface
dsde2.exe	Dual Sync/Ethernet 2 Interface
dst.exe	Dual Sync Token Link Module
dtok.exe	Dual Token Ring Link Module
e1.exe	E1 Link Module
enet2.exe	Ethernet 2 Link Module
fddi.exe	FDDI Link Module
fmpb.exe	Quad Token Link Module
fsi.exe	FDDI SMT
gig_enet.ppb	Gigabit Ethernet Link Module
hdwanlm.exe	Octal Sync Link Module
hfsi.exe	HSSI SMT
hssi.exe	HSSI Link Module
hwcomp.exe	Hardware Compressor
hwf.exe	Hardware Filter
ilacc.exe	ILACC Ethernet Interface
lanle.exe	LANCE Ethernet Interface

(continued)

Driver	Affected Module
mct1e1.exe	Multi-Channel T1E1 Link Module
munich.exe	Munich Multi-Channel T1E1 Interface
nsc_100m.exe	100M Ethernet
qenet.exe	Quad Ethernet Link Module
qsync.exe	Quad Sync Link Module
quicsync.exe	Quicc Sync Module
seeq_100m.ppb	100Mb Ethernet Line
sgig.ppb	Gigabit Ethernet Link Module
sqe100.ppb	4x100Mb Ethernet Link Module
tms380.exe	TMS380 Token Ring Interface

Removable Executable Files and the Affected Protocols/Applications

The following table lists the executable files that you can remove and the associated application or protocol.

Executable	Affected Protocol/Module
atm_le.exe (.ppc)	ATM (Lane)
atmalcop.exe	ATM
atmsig.exe (.ppc)	ATM (UNI Signaling)
copsc.exe (.ppc)	COPS
crm.exe (.ppb) (.ppc)	RSVP, QOSPF
dns.exe (.ppc)	DNS protocol
hdlc.exe	PPP, wfStandard
hdwancop.exe	Hardware compression
igmp.exe (.ppc)	PIM, DVMRP, MOSPF
ike.exe (.ppc)	Internet Key Exchange for IPsec
ip6.exe (.ppc)	RIP6
lapb.exe (.ppc)	X.25, IPEX
llc.exe (.ppb) (.ppc)	DLSw, APPN
mct1cop.exe	MCT1, MCE1

(continued)

Executable	Affected Protocol/Module
nat.exe (.ppc)	NAT protocol
nbase.exe (.ppc)	APPN/SDLC Support
ppp.exe (.ppc)	Dial Services, PPP
raesa.exe (.ppc)	RMON
rmonstat.exe (.ppb) (.ppc)	RMON Probe
sdlc.exe (.ppc)	DLSw, APPN
tag1q.exe (.ppc)	VLAN Tagging (802.1q)
treectrl.exe (.ppc)	HTTP
vcct.exe (.ppb) (.ppc)	DLSw, APPN
wan.exe (.ppc)	ATM DXI, SMDS
X.25.exe (.ppc)	IPEX, X.25

Operating Limitations and Cautions

Be aware of the following Site Manager limitations and cautions when using BayRS 15.6.0.0.

DES-40 and DES-56 WEP No Longer Available

DES-40 WAN Encryption Option (WEP) and DES-56 WEP are no longer available on any BayRS platform. However, Site Manager supports backward compatibility with earlier versions of BayRS that are currently running WEP.

Windows 98 Support Discontinued for Site Manager

Site Manager Version 15.6.0.0 does not operate with Windows 98, but will continue to work with Windows 2000 and other supported operating systems.

SunOS Support Discontinued for Site Manager

Site Manager Version 15.6.0.0 does not operate with SunOS, but will continue to work with Solaris and other supported operating systems.

Events Manager

The following limitations exist for the Events Manager in Site Manager:

• The Events Manager does not display the event message header more than once for consecutive events with identical headers. In other words, if the router issues five event messages in a row that have exactly the same header (except for Event Code), the Events Manager displays the header just once, then lists the five messages under that header. This is intentional functionality, meant to save space on the screen display.

The value for the number of records that the Events Manager reports specifies the number of total records and therefore might be greater than the highest event number in the display box.

• The Get Current Log File option does not work when you attempt to change the list of events from ascending to descending order. To display the order correctly, after you choose Get Current Log File and click on Descending, from the Nortel Networks Site Manager main window, choose View and then Refresh Display. Changing the list of events from descending to ascending order works correctly.

For more information about the Get Current Log File option, see Chapter 7, "Monitoring Trap and Event Messages," in *Configuring and Managing Routers with Site Manager*.

Statistics Manager

When you are using the Statistics Manager Screen Builder tool on Solaris 2.7 or greater, the text on the Column buttons (1 through 9) disappears and the buttons turn white when you click on them. However, after you click on another non-column button, the text reappears.

Opening a File Using PC Site Manager

When you open a file in PC Site Manager, the Save button appears on the Open Configuration File window instead of the Open button. Consequently, you should click the Save button to either create a new configuration file or open an existing configuration file. You can access the Open Configuration File window by making the following menu selections:

Tools > Configuration Manager > Local File