

BayRS Version 14.10

Part No. 308664-14.10 Rev 01
February 2000

4401 Great America Parkway
Santa Clara, CA 95054

Release Notes for Site Manager Software Version 14.10 for the Passport 5430 and Passport 2430

NORTEL
NETWORKS™

Copyright © 2000 Nortel Networks

All rights reserved. Printed in the USA. February 2000.

The information in this document is subject to change without notice. The statements, configurations, technical data, and recommendations in this document are believed to be accurate and reliable, but are presented without express or implied warranty. Users must take full responsibility for their applications of any products specified in this document. The information in this document is proprietary to Nortel Networks NA Inc.

The software described in this document is furnished under a license agreement and may only be used in accordance with the terms of that license. A summary of the Software License is included in this document.

Trademarks

NORTEL NETWORKS is a trademark of Nortel Networks.

Bay Networks, ACE, AFN, AN, BCN, BLN, BN, BNX, CN, FRE, LN, Optivity, Optivity Policy Services, and PPX are registered trademarks, and Advanced Remote Node, ANH, ARN, ASN, BayRS, BaySecure, BayStack, BayStream, BCC, BCNX, BLNX, Centillion, EtherSpeed, FN, IP AutoLearn, Passport, SN, SPEX, Switch Node, System 5000, and TokenSpeed are trademarks of Nortel Networks.

Microsoft, MS, MS-DOS, Win32, Windows, and Windows NT are registered trademarks of Microsoft Corporation.

All other trademarks and registered trademarks are the property of their respective owners.

Restricted Rights Legend

Use, duplication, or disclosure by the United States Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013.

Notwithstanding any other license agreement that may pertain to, or accompany the delivery of, this computer software, the rights of the United States Government regarding its use, reproduction, and disclosure are as set forth in the Commercial Computer Software-Restricted Rights clause at FAR 52.227-19.

Statement of Conditions

In the interest of improving internal design, operational function, and/or reliability, Nortel Networks NA Inc. reserves the right to make changes to the products described in this document without notice.

Nortel Networks NA Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Portions of the code in this software product may be Copyright © 1988, Regents of the University of California. All rights reserved. Redistribution and use in source and binary forms of such portions are permitted, provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation, advertising materials, and other materials related to such distribution and use acknowledge that such portions of the software were developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from such portions of the software without specific prior written permission.

SUCH PORTIONS OF THE SOFTWARE ARE PROVIDED “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

In addition, the program and information contained herein are licensed only pursuant to a license agreement that contains restrictions on use and disclosure (that may incorporate by reference certain limitations and notices imposed by third parties).

Nortel Networks NA Inc. Software License Agreement

NOTICE: Please carefully read this license agreement before copying or using the accompanying software or installing the hardware unit with pre-enabled software (each of which is referred to as “Software” in this Agreement). BY COPYING OR USING THE SOFTWARE, YOU ACCEPT ALL OF THE TERMS AND CONDITIONS OF

THIS LICENSE AGREEMENT. THE TERMS EXPRESSED IN THIS AGREEMENT ARE THE ONLY TERMS UNDER WHICH NORTEL NETWORKS WILL PERMIT YOU TO USE THE SOFTWARE. If you do not accept these terms and conditions, return the product, unused and in the original shipping container, within 30 days of purchase to obtain a credit for the full purchase price.

1. License Grant. Nortel Networks NA Inc. ("Nortel Networks") grants the end user of the Software ("Licensee") a personal, nonexclusive, nontransferable license: a) to use the Software either on a single computer or, if applicable, on a single authorized device identified by host ID, for which it was originally acquired; b) to copy the Software solely for backup purposes in support of authorized use of the Software; and c) to use and copy the associated user manual solely in support of authorized use of the Software by Licensee. This license applies to the Software only and does not extend to Nortel Networks Agent software or other Nortel Networks software products. Nortel Networks Agent software or other Nortel Networks software products are licensed for use under the terms of the applicable Nortel Networks NA Inc. Software License Agreement that accompanies such software and upon payment by the end user of the applicable license fees for such software.

2. Restrictions on use; reservation of rights. The Software and user manuals are protected under copyright laws. Nortel Networks and/or its licensors retain all title and ownership in both the Software and user manuals, including any revisions made by Nortel Networks or its licensors. The copyright notice must be reproduced and included with any copy of any portion of the Software or user manuals. Licensee may not modify, translate, decompile, disassemble, use for any competitive analysis, reverse engineer, distribute, or create derivative works from the Software or user manuals or any copy, in whole or in part. Except as expressly provided in this Agreement, Licensee may not copy or transfer the Software or user manuals, in whole or in part. The Software and user manuals embody Nortel Networks' and its licensors' confidential and proprietary intellectual property. Licensee shall not sublicense, assign, or otherwise disclose to any third party the Software, or any information about the operation, design, performance, or implementation of the Software and user manuals that is confidential to Nortel Networks and its licensors; however, Licensee may grant permission to its consultants, subcontractors, and agents to use the Software at Licensee's facility, provided they have agreed to use the Software only in accordance with the terms of this license.

3. Limited warranty. Nortel Networks warrants each item of Software, as delivered by Nortel Networks and properly installed and operated on Nortel Networks hardware or other equipment it is originally licensed for, to function substantially as described in its accompanying user manual during its warranty period, which begins on the date Software is first shipped to Licensee. If any item of Software fails to so function during its warranty period, as the sole remedy Nortel Networks will at its discretion provide a suitable fix, patch, or workaround for the problem that may be included in a future Software release. Nortel Networks further warrants to Licensee that the media on which the Software is provided will be free from defects in materials and workmanship under normal use for a period of 90 days from the date Software is first shipped to Licensee. Nortel Networks will replace defective media at no charge if it is returned to Nortel Networks during the warranty period along with proof of the date of shipment. This warranty does not apply if the media has been damaged as a result of accident, misuse, or abuse. The Licensee assumes all responsibility for selection of the Software to achieve Licensee's intended results and for the installation, use, and results obtained from the Software. Nortel Networks does not warrant a) that the functions contained in the software will meet the Licensee's requirements, b) that the Software will operate in the hardware or software combinations that the Licensee may select, c) that the operation of the Software will be uninterrupted or error free, or d) that all defects in the operation of the Software will be corrected. Nortel Networks is not obligated to remedy any Software defect that cannot be reproduced with the latest Software release. These warranties do not apply to the Software if it has been (i) altered, except by Nortel Networks or in accordance with its instructions; (ii) used in conjunction with another vendor's product, resulting in the defect; or (iii) damaged by improper environment, abuse, misuse, accident, or negligence. THE FOREGOING WARRANTIES AND LIMITATIONS ARE EXCLUSIVE REMEDIES AND ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Licensee is responsible for the security of its own data and information and for maintaining adequate procedures apart from the Software to reconstruct lost or altered files, data, or programs.

4. Limitation of liability. IN NO EVENT WILL NORTEL NETWORKS OR ITS LICENSORS BE LIABLE FOR ANY COST OF SUBSTITUTE PROCUREMENT; SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES; OR ANY DAMAGES RESULTING FROM INACCURATE OR LOST DATA OR LOSS OF USE OR PROFITS ARISING OUT OF OR IN CONNECTION WITH THE PERFORMANCE OF THE SOFTWARE, EVEN

IF NORTEL NETWORKS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL THE LIABILITY OF NORTEL NETWORKS RELATING TO THE SOFTWARE OR THIS AGREEMENT EXCEED THE PRICE PAID TO NORTEL NETWORKS FOR THE SOFTWARE LICENSE.

5. Government Licensees. This provision applies to all Software and documentation acquired directly or indirectly by or on behalf of the United States Government. The Software and documentation are commercial products, licensed on the open market at market prices, and were developed entirely at private expense and without the use of any U.S. Government funds. The license to the U.S. Government is granted only with restricted rights, and use, duplication, or disclosure by the U.S. Government is subject to the restrictions set forth in subparagraph (c)(1) of the Commercial Computer Software—Restricted Rights clause of FAR 52.227-19 and the limitations set out in this license for civilian agencies, and subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause of DFARS 252.227-7013, for agencies of the Department of Defense or their successors, whichever is applicable.

6. Use of Software in the European Community. This provision applies to all Software acquired for use within the European Community. If Licensee uses the Software within a country in the European Community, the Software Directive enacted by the Council of European Communities Directive dated 14 May, 1991, will apply to the examination of the Software to facilitate interoperability. Licensee agrees to notify Nortel Networks of any such intended examination of the Software and may procure support and assistance from Nortel Networks.

7. Term and termination. This license is effective until terminated; however, all of the restrictions with respect to Nortel Networks' copyright in the Software and user manuals will cease being effective at the date of expiration of the Nortel Networks copyright; those restrictions relating to use and disclosure of Nortel Networks' confidential information shall continue in effect. Licensee may terminate this license at any time. The license will automatically terminate if Licensee fails to comply with any of the terms and conditions of the license. Upon termination for any reason, Licensee will immediately destroy or return to Nortel Networks the Software, user manuals, and all copies. Nortel Networks is not liable to Licensee for damages in any form solely by reason of the termination of this license.

8. Export and Re-export. Licensee agrees not to export, directly or indirectly, the Software or related technical data or information without first obtaining any required export licenses or other governmental approvals. Without limiting the foregoing, Licensee, on behalf of itself and its subsidiaries and affiliates, agrees that it will not, without first obtaining all export licenses and approvals required by the U.S. Government: (i) export, re-export, transfer, or divert any such Software or technical data, or any direct product thereof, to any country to which such exports or re-exports are restricted or embargoed under United States export control laws and regulations, or to any national or resident of such restricted or embargoed countries; or (ii) provide the Software or related technical data or information to any military end user or for any military end use, including the design, development, or production of any chemical, nuclear, or biological weapons.

9. General. If any provision of this Agreement is held to be invalid or unenforceable by a court of competent jurisdiction, the remainder of the provisions of this Agreement shall remain in full force and effect. This Agreement will be governed by the laws of the state of California.

Should you have any questions concerning this Agreement, contact Nortel Networks, 4401 Great America Parkway, P.O. Box 58185, Santa Clara, California 95054-8185.

LICENSEE ACKNOWLEDGES THAT LICENSEE HAS READ THIS AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS. LICENSEE FURTHER AGREES THAT THIS AGREEMENT IS THE ENTIRE AND EXCLUSIVE AGREEMENT BETWEEN NORTEL NETWORKS AND LICENSEE, WHICH SUPERSEDES ALL PRIOR ORAL AND WRITTEN AGREEMENTS AND COMMUNICATIONS BETWEEN THE PARTIES PERTAINING TO THE SUBJECT MATTER OF THIS AGREEMENT. NO DIFFERENT OR ADDITIONAL TERMS WILL BE ENFORCEABLE AGAINST NORTEL NETWORKS UNLESS NORTEL NETWORKS GIVES ITS EXPRESS WRITTEN CONSENT, INCLUDING AN EXPRESS WAIVER OF THE TERMS OF THIS AGREEMENT.

Contents

Preface

Hard-Copy Technical Manualsvii

How to Get Help viii

**Release Notes for Site Manager
Software Version 14.10 for the
Passport 2430 and Passport 5430**

Site Manager and BayRS™ Compatibility 1

Site Manager System Requirements 2

 PC Requirements 2

 IBM/AIX Requirements 4

 HP 9000 Requirements 4

 SPARCstation Requirements 5

 Maximum Number of Well-Known Connections 5

General Guidelines for Version 14.10 6

 Year 2000 Compliance 6

 Installing Site Manager on Windows NT 6

 Socket Binding Messages with UNIX Network Management Systems 6

 Events Manager Does Not Display Repeated Headers 7

 X Resource File 8

 Color Compatibility Issue 8

Site Manager Version 14.10 is a software release that includes bug fixes and new features added since Site Manager Version 14.00. These release notes contain guidelines for using Site Manager Version 14.10 for the Passport 2430 and Passport 5430.

Hard-Copy Technical Manuals

You can print selected technical manuals and release notes free, directly from the Internet. Go to support.baynetworks.com/library/tpubs/. Find the product for which you need documentation, then locate the specific category and model or version for your hardware or software product. Using Adobe Acrobat Reader, you can open the manuals and release notes, search for the sections you need, and print them on most standard printers. You can download Acrobat Reader free from the Adobe Systems Web site, www.adobe.com.

You can purchase selected documentation sets, CDs, and technical publications through the collateral catalog. The catalog is located on the World Wide Web at support.baynetworks.com/catalog.html and is divided into sections arranged alphabetically:

- The “CD ROMs” section lists available CDs.
- The “Guides/Books” section lists books on technical topics.
- The “Technical Manuals” section lists available printed documentation sets.

How to Get Help

If you purchased a service contract for your Nortel Networks™ product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

If you purchased a Nortel Networks service program, contact one of the following Nortel Networks Technical Solutions Centers:

Technical Solutions Center	Telephone Number
Billerica, MA	800-2LANWAN (800-252-6926)
Santa Clara, CA	800-2LANWAN (800-252-6926)
Valbonne, France	33-4-92-96-69-68
Sydney, Australia	61-2-9927-8800
Tokyo, Japan	81-3-5402-7041

Release Notes for Site Manager Software Version 14.10 for the Passport 2430 and Passport 5430

These release notes include information about the following topics:

Topic	Page
Site Manager and BayRS™ Compatibility	-1
Site Manager System Requirements	-2
General Guidelines for Version 14.10	-6

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 14.10 is Site Manager Version 14.10. We have made this change to help you align versions of Site Manager with versions of BayRS.

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 have 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 10 or 20
 - UltraSPARC Workstation
- Supported operating systems:
 - Solaris 2.5, 2.5.1, and 2.6



Note: Site Manager Version 14.10 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 14.10

Follow these guidelines when you use Site Manager Version 14.10.

Year 2000 Compliance

Site Manager Software Version 14.10 is Year 2000 Compliance Certified by Nortel Networks. Site Manager Version 14.10 has successfully passed the Nortel Networks Test Procedure, which tests conformance to the Nortel Networks Year 2000 compliance definition. For more information, see the Nortel Networks Year 2000 Web site at <http://www.nortelnetworks.com/corporate/year2000/bay/>.

Installing Site Manager on Windows NT

The Windows NT platform supports Site Manager Version 14.10 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.

Events Manager Does Not Display Repeated Headers

The Events Manager in Site 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 message 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.

X Resource File

We strongly recommend that you use the *WFSM_INSTALL* script to install Site Manager Version 14.10 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 14.10, Version 14.00, or Version 7.20, 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 14.10 on the HP-UX10.20 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, [“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