Read Me First
Router Software 11.01
Site Manager 5.01

Router Software Version 11.01

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Bay Networks

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Read Me First

This document supplements the *Release Notes for Router Software Version 11.01*, *Release Notes for Site Manager Software Version 5.01*, and *Known Anomalies: Router Software 11.01 and Site Manager 5.01*.

It contains information about

- Disk space requirements
- Online Library CD Version 11.01
- Software data encryption
- Image Builder
- ARN software image
- Packet Capture scripts from an ARN
- X.25 Services: QLLC Service Type
- ISDN callback

Disk Space Requirements

Table 1 summarizes the minimum free disk space requirements for Site Manager Version 5.01.

Table 1. Minimum Disk Space Requirements

Platform	11.01/5.01
Sparcstation	72 MB
HP-UX	81 MB
IBM	65 MB
PC	38 MB

Using the Online Library CD Version 11.01

You can now search for information on this version of the Online Library CD from an IBM RS/6000 workstation. You can also view and print PDF files as you would on any other platform.

Software Data Encryption

Software data encryption is a new feature in Release 11.01/5.01.It is available for purchase as a separate CD ROM in one of two versions, 40-bit or 56-bit. Each version requires a special version of Site Manager, which is included on the appropriate CD.

The 56-bit encryption option is generally available only in the United States and Canada. U.S. law allows export of 56-bit encryption only with a U.S. export license. For more information on the export, import, and use of encryption outside the United States and Canada, refer to the software license agreement.

Installing Encryption Software

These directions for installing encryption software are the same as the directions on the CD ROM inserts.

To install software encryption, you must already be running the 11.01 version of Bay Networks router software, and you must install Site Manager + DES Version 5.01 from this CD. **Encryption will work with this version of Site Manager only.** For instructions on installing Site Manager from this CD, refer to *Quick-Starting Routers and BNX Platforms*.

After you install Site Manager, follow these directions to install the software.

1. **Start Image Builder, and open the directory for the appropriate hardware platform.**
2. **Click on Details below the Current Components box.**
3. **Click on *wep.exe* under Baseline Router Software, and click on Remove.**

   This *wep.exe* file is a placeholder with no functionality. Note that the Component Information box shows its size as less than one KB.
4. **Select File > Save to save the new image.**
5. **Exit Image Builder.**
6. **Insert this encryption software CD and copy *rtr_1101/<router_platform>/wep.exe* from this CD to the Image Builder directory.**

   The default directory on a PC is *wf\builder.dir\rel1101*
   The default directory on a UNIX platform is ~ *.builder/rel1101*
7. **Start Image Builder again, and open the image from which you removed *wep.exe.***
8. **Click on Details in the Available Components box, select *wep.exe*, and click on Add.**
9. **Check the size of the *wep.exe* file.**

   If it is less than one KB, you have *not* loaded encryption software. Repeat this procedure, or call the Bay Networks Technical Response Center for assistance.
10. **Save the image that includes encryption, and exit Image Builder.**
11. **FTP the new image to the router, and reboot the router, following the directions in *Modifying Software Images for Routers*.**

    You can now use software encryption on this router.

For further information about using Image Builder, refer to *Modifying Software Images for Routers*.

Installing Software Encryption on an HP Platform

When you copy the *wep.exe* file to an HP platform, it is automatically renamed *WEP.EXE;1*. You must rename the file back to *wep.exe*. You can do this by issuing the following command:

mv “WEP.EXE;1” wep.exe

Note that you must use quotation marks before and after *WEP.EXE;1*.

Data Encryption and Dial Services

You can configure PPP dial backup for a Frame Relay circuit that uses data encryption. Be aware, however, that if the primary circuit fails, data that travels over the backup circuit is unencrypted.

Image Builder

When you open an image with Image Builder, the partial component feature does not support suites other than the corp suite. The partial component symbol (*) will appear when you open an image from any of the alternative suites. This occurs because the feature is designed for the corp suite, and because other suites are a subset of the corp suite, the image appears incomplete to Site Manager. This does not mean, however, that the image you have opened is incomplete; it is valid.

ARN Software Image

The *Modifying Software Images* guide omits the name and location of the software image for the ARN platform. Table 1-1 in *Modifying Software Images* should include the following information:

Router	Router Software Image	Device the Image Runs On
ARN®	arn.exe	Flash Single Inline Memory Module (SIMM)

Information in the manual on using the Image Builder applies to the ARN as to any other router platform.

Using the Packet Capture Script on an ARN

The Technician Interface Packet Capture script (*packet.bat*) now prompts for the module number on some BayStack ARN interfaces.

Enter the appropriate module number from Table 2.

Table 2. ARN Module Numbers for packet.bat

ARN Interface	Technician Interface Module Number
Base board (XCVR1 or TOKEN1)	1
First WAN adapter module interface (COM1 or ISDN1)	2
Second WAN adapter module interface (COM2 or ISDN2)	3
Expansion module interface (XCVR2, TOKEN2, COM3-5)	4

X.25 Services: QLLC Service Type

The X.25 Network Service Record parameter Max Idle specifies the maximum number of minutes that a virtual circuit can remain idle. Once the Max Idle timer expires, X.25 Services clears the circuit. The default value is 2 minutes, except when QLLC Service is selected.

For QLLC Service the default value is 0, which specifies that the circuit can remain idle indefinitely. You may want to consider the cost impact of staying connected to their X.25 backbone network while your QLLC sessions remain idle for an extended period.

ISDN Callback

Call setup messages from ISDN contain a 10-digit number. If the callback server needs more than 10 digits for an outgoing call, for example, the call requires a special prefix, such as 1, 9, 0, or 10288(10att), you should not use callback CallID mode. You should use either Server One Charge or Server mode instead.