

Read Me First

BayRS Version 12.10
Site Manager Software Version 6.10

BCC Version 3.20

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Region	Telephone number	Fax number
United States and Canada	800-2LANWAN; then enter Express Routing Code (ERC) 290, when prompted, to purchase or renew a service contract 978-916-8880 (direct)	978-916-3514
Europe	33-4-92-96-69-66	33-4-92-96-69-96
Asia/Pacific	61-2-9927-8888	61-2-9927-8899
Latin America	561-988-7661	561-988-7550

Information about customer service is also available on the World Wide Web at *support.baynetworks.com*.

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

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

Technical Solutions Center	Telephone number	Fax number
Billerica, MA	800-2LANWAN	978-916-3514
Santa Clara, CA	800-2LANWAN	408-495-1188
Valbonne, France	33-4-92-96-69-68	33-4-92-96-69-98
Sydney, Australia	61-2-9927-8800	61-2-9927-8811
Tokyo, Japan	81-3-5402-0180	81-3-5402-0173

Bay Networks Educational Services

Through Bay Networks Educational Services, you can attend classes and purchase CDs, videos, and computer-based training programs about Bay Networks products. Training programs can take place at your site or at a Bay Networks location. For more information about training programs, call one of the following numbers:

Region	Telephone number
United States and Canada	800-2LANWAN; then enter Express Routing Code (ERC) 282 when prompted 978-916-3460 (direct)
Europe, Middle East, and Africa	33-4-92-96-15-83
Asia/Pacific	61-2-9927-8822
Tokyo and Japan	81-3-5402-7041

Read Me First for BayRS Version 12.10 and Site Manager Software Version 6.10

This document contains the latest information about Bay Networks®
Router Software (BayRS) Version 12.10 and Site Manager Software Version 6.10.

8 MB DRAM Required on the AN, ANH, and ARN Routers

Running the BayRS Version 12.10 software on an ARN™ router requires a minimum of 8 MB dynamic random access memory (DRAM). Attempting to boot the router with a 4 MB SIMM produces the following message:

```
ARN does not support 4 MB SIMM. Upgrade to 8 MB or greater. Aborting  
boot...
```



Note: Most AN® or ANH™ router configurations using the BayRS Version 12.10 software require a minimum of 8 MB of DRAM.

Configuring AHB with Large Numbers of PVCs

Bay Networks encourages you to use Site Manager to configure PVCs for ATM Half Bridge (AHB). However, if you must configure 1000 or more PVCs to operate over an AHB interface, you must create a local AHB init file. Detailed instructions for creating this file appear in *Configuring ATM Half-Bridge Services*.

ASR, NHRP, DNS, and BGP Route Server Support

Any software or documentation references to Application Sensitive Routing (ASR), Next-Hop Resolution Protocol (NHRP), Domain Name Server (DNS), or Border Gateway Protocol Route Server (BGPRS) provide placeholders for future functionality. BayRS Version 12.10 software does not support these protocols.

FireWall-1 (Phase 2) Guidelines

Note the following operational guidelines when using FireWall-1 in BayRS Version 12.10 and Site Manager Software Version 6.10.

FireWall-1 (Phase 2) Support

BaySecure FireWall-1 has been restructured so that you can configure one or more individual interfaces using Site Manager. In addition, Phase 2 of BaySecure FireWall-1 supports Ethernet (both 10BASE-T and 100BASE-T), FDDI, synchronous, High-Speed Serial Interface (HSSI), and token ring interface configuration. For information on FireWall-1, see *Configuring BaySecure FireWall-1*.

Downloading Security Policies Using the Command Line

When you use an IP address to download security policies from the command line, the last policy file is not updated. The result is that when you reboot the router, it automatically downloads the last policy installed from the GUI. If no policies were installed from the GUI, the router automatically downloads the default policy.

To avoid this problem, use the object name when installing from the command line (for example, `wf load /etc/fw/con/policy.W lab_router`).

Downloading Multiple Security Policies

You can download multiple security policies to one or more interfaces on a router. However, if the router reboots, it automatically downloads only the last policy you created and downloaded.

If the last security policy you created pertains only to specific interfaces, the router downloads that security policy to those interfaces and applies the default security policy to all others. This can affect communication to these other interfaces.

Bay Networks recommends that you create one security policy with filter rules specific to individual interfaces.

Installing the X/Motif GUI Client for FireWall-1

Follow these instructions to install the X/Motif GUI client to resolve the problem described in the known anomaly 31245. In the sample installation, exact user input is in **bold**. Variable user input is in *italics*.

1. **Log in as root.**
2. **Mount the CD and extract the tar files, as follows:**

```
cd /tmp  
tar xvf /cdrom/<o_s>/gui-clnt/fwgui.<tarfile_name>.tar
```
3. **Run the installation script:**

```
./fwguiinstall
```



Note: This FireWall-1 GUI client installation procedure is not available for SunOS platforms.

4. **Enter the following command to run the GUI:**

```
# wfpolicy
```
5. **Enter your user id and password, and the management station to which you want to connect.**

Sample Installation

*****FireWall-1 GUI client v3.0 Installation*****

please wait

Selecting FireWall-1 GUI client base directory

FireWall-1 GUI client requires approximately 26890 KB
of free disk space.

The FireWall-1 GUI client will be extracted into two
subdirectories ('bin' and 'clients') of the base
directory

Enter base directory [/etc/fw]):**[RETURN]**

Checking disk space availability...

Installing FW under /etc/fw (244651 KB free)

Are you sure (y/n) [y] ?**[RETURN]**

Software distribution extraction

Extracting software distribution. Please wait ...

Software Distribution Extracted to /etc/fw

***** FireWall-1 GUI client Setup *****

FireWall-1 GUI client access and execution permissions

Usually, FireWall-1 GUI client is given group
permission for access and execution.

You may now name such a group or instruct the
installation procedure to give no group
permissions to FireWall-1 GUI client. In the latter
case, only you will be able to access and execute FireWall-1 GUI client.

Please specify group name [<RET> for no group permissions]: other

Group other will be used. Is this ok (y/n) [y] ?**[Y]**

Setting Group Permissions...

```
*****
Thank you for using FW-1
To run the clients use /etc/fw/bin/{fwpolicy,
fwlog,fwstatus}
*****
```

Rate Adaption Support

BayRS Version 12.10 does not support 56 Kb/s rate adaption on AN or ARN FT1/T1 DSU/CSU adapter modules. Due to this limitation, you cannot use rate adaption to ensure pulse density requirements on T1 lines using AMI line coding as specified by ANSI T1.403. Bay Networks recommends that you request B8ZS line coding from your T1 service provider, where available.

Reinstalling Site Manager on Windows NT

The following caution statement regarding Microsoft® Windows NT® supercedes the caution statement on page 9-3 of *Quick-Starting Routers*:



Caution: If you are reinstalling Site Manager, be aware that the installation will overwrite the *c:\WINNT\siteman.ini* file. If you are installing multiple versions of Site Manager on the same workstation, make a copy of this file and later edit the new file to include the information about the other versions.

Required DCM Image

You must upgrade the Data Collection Module (DCM) image to Version 2.0.0.1 to operate RMON and RMON2 on BayStack AN/ANH and ARN routers. For information about upgrading and configuring your DCM, see *Configuring RMON and RMON2*.

Hi/fn E1 and T1 Support

BayRS Version 12.10 does not support Hi/fnTM compression over any E1 or T1 interfaces.

VME Platform Support

BayRS Version 12.10 software does not support VME platform configuration. You cannot configure or manage any VME routers (that is, ALN, AFN[®], CN[®], FNTM, or LN[®] routers) using BayRS Version 12.10 software.