



**Security Threat Response Manager**

# **Getting Started With STRM Appliances**

***Release 2008.3***

**Juniper Networks, Inc.**

1194 North Mathilda Avenue

Sunnyvale, CA 94089

USA

408-745-2000

**[www.juniper.net](http://www.juniper.net)**

## Copyright Notice

Copyright © 2008 Juniper Networks, Inc. All rights reserved. Juniper Networks and the Juniper Networks logo are registered trademarks of Juniper Networks Inc. in the United States and other countries. All other trademarks, service marks, registered trademarks, or registered service marks in this document are the property of Juniper Networks or their respective owners. All specifications are subject to change without notice. Juniper Networks assumes no responsibility for any inaccuracies in this document or for any obligation to update information in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice.

## FCC Statement

The following information is for FCC compliance of Class A devices: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio-frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense. The following information is for FCC compliance of Class B devices: The equipment described in this manual generates and may radiate radio-frequency energy. If it is not installed in accordance with NetScreen's installation instructions, it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in part 15 of the FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Consult the dealer or an experienced radio/TV technician for help. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Caution: Changes or modifications to this product could void the user's warranty and authority to operate this device.

## Disclaimer

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR JUNIPER NETWORKS REPRESENTATIVE FOR A COPY.

*Configuring DSMs*  
Release 2008.3

Copyright © 2008, Juniper Networks, Inc.

All rights reserved. Printed in USA.

Revision History

January 2009—Revision 1

The information in this document is current as of the date listed in the revision history.

# CONTENTS

Before You Begin  
STRM Appliance Installation and Configuration 3  
STRM Installation and Configuration 8

---

## Before You Begin

Before performing these procedures, you must have access to the following:

- **Java Requirements** — You must install Java version 1.5.0\_15. For more information see <http://java.com/>.
- **Browser Requirements** — You must have Internet Explorer 6.0/7.0 or Firefox 3.0.



**Warning:** *Before performing these procedures, see the safety instructions and important regulatory information in your STRM Installation Guide and the Hardware Installation Guide.*



**Note:** *The graphics in this guide are representations of a STRM appliance. Your appliance may vary, depending on the version of STRM or Flow appliance you have purchased. See the STRM Installation Guide.*

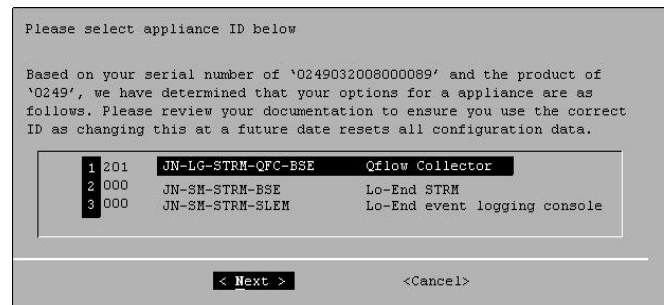


**Note:** *When using a laptop to connect to the appliance you must use a terminal program, such as HyperTerminal, to connect to the appliance. Be sure to set **Connect Using** to the appropriate COM port of the serial connector and **Bits per second** to 9600. You must also set **Stop Bits** (1), **Data bits** (8), and **Parity** (None).*



## STRM Appliance Installation and Configuration

- 1** **Unpack Your Appliance**  
Save all shipping materials in case you need them later. (Your appliance may not include all accessories shown.)
- 2** **Install the Appliance in a Rack**  
See the *Hardware Installation Guide* for instructions on installing your appliance in a rack.
- 3** **Connect to External Devices**  
Connect external devices using the ports on the front panel of the appliance. If you use a laptop, connect the laptop to the RJ-45 console port on the front panel of the appliance.
- 4** **Connect to the Network**  
Connect the appliance to your network using the ports on the front panel of the appliance. The Management Interface eth0 is the communications port for your appliance; the Monitoring Interface eth1 allow you to connect to span ports or taps.
- 5** **Connect to Power Source and Turn on the Appliance**  
Connect the power cable(s) into the AC receptacle on the rear panel of the appliance.  
If your STRM contains two power supplies, plug a power cord into each of the AC receptacles. Plug the other end of the power cord into a Uninterruptible Power Supply (UPS) or a Power Distribution Unit.
- 6** **Log in as Root**  
Using the keyboard with monitor or laptop, log in using the default username and password.  
**Note:** Username and password are case sensitive.  
Username: `root`  
Password: `password`  
Press **Enter**. The End User Licensing Agreement window appears.
- 7** **Read the End User Licensing Agreement**  
Read the End User Licensing Agreement (EULA) information. Press the **Spacebar** to advance to each window until you have reached the end of the document. Type **yes** to accept the agreement. Press **Enter**. The Activation Key window appears.
- 8** **Select the Product type**  
Using the up/down arrow keys, select the Appliance ID suitable for deployment on your network. The available Appliance ID's would differ depending on the STRM platform being used (STRM 500, STRM 2500, STRM 5000).  
Press **Next**. The Tuning Template window appears.

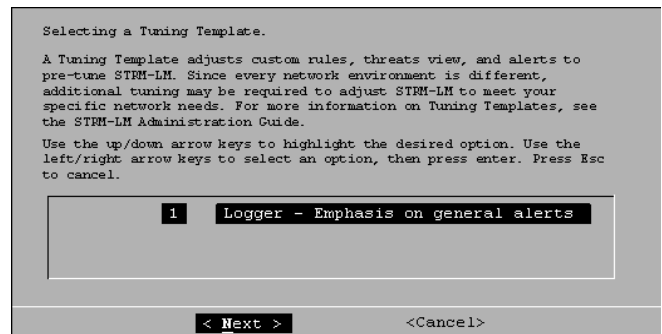


## 9 Select a Tuning Template

Using the up/down arrow keys, select one of the following templates to tune your appliance:

- **Enterprise** - Internal network activity.
- **University** - Education-specific concerns.

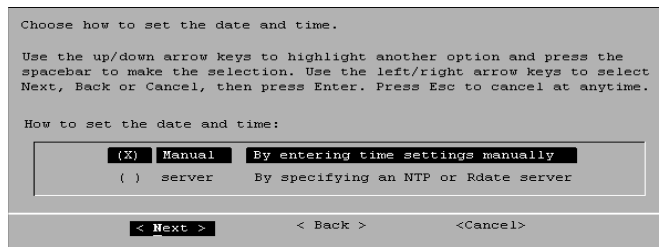
Using the left/right arrow keys, select **Next**. Press **Enter**. The Set the Date and Time window appears. For more information on templates, see the *STRM Administration Guide*.



## 10 Choose How to Set Date and Time

Using the up/down arrow keys, select the method you wish to use to set the date and time.

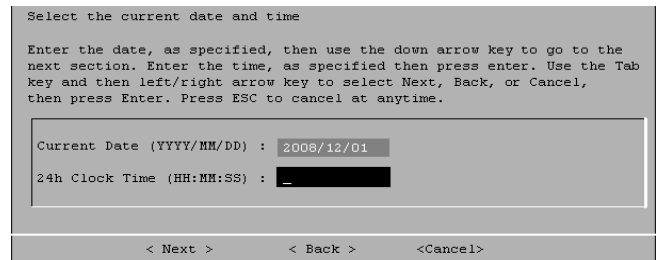
- **Manual** - Allows you to manually input the date and time. Press the spacebar to select and then press **Enter** to select **Next**. Go to Step 12.
- **Server** - Allows you to specify your time server. Press the spacebar to select the time server and then press **Enter** to select **Next**. Go to Step 13.



## 11 Enter the Date and Time

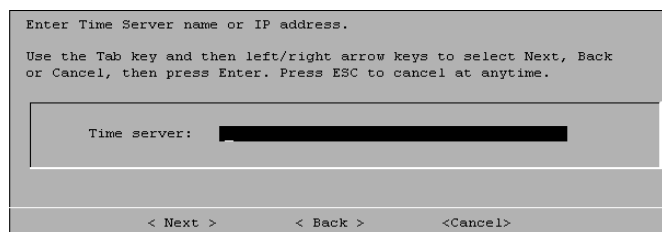
Enter the current date and time. Using the left/right arrow keys, select **Next**. Press **Enter**. The Time Zone window appears.

Go to Step 14.



## 12 Enter Time Server Name

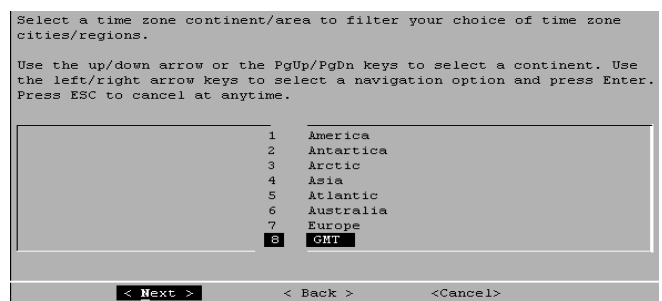
In the text field, enter the time server name or IP address. Using the left/right arrow keys, select **Next**. Press **Enter**. The Time Zone Continent window appears.



## 13 Configure Time Zone

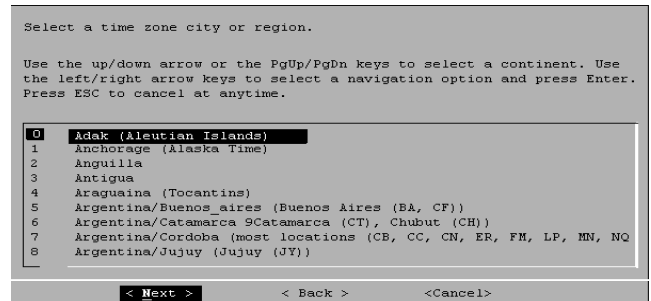
a Using the up/down arrow keys, or the page up/page down keys, select your time zone continent or area.

Using the left/right arrow keys, select **Next**. Press **Enter**. The Time Zone Region window appears.



- b The options appearing in this window are regions associated with the continent or area previously selected.

Using the up/down arrow keys, or the page up/page down keys, select your time zone region. Using the left/right arrow keys, select **Next**. Press **Enter**. The Choose which internet protocol to use window appears.



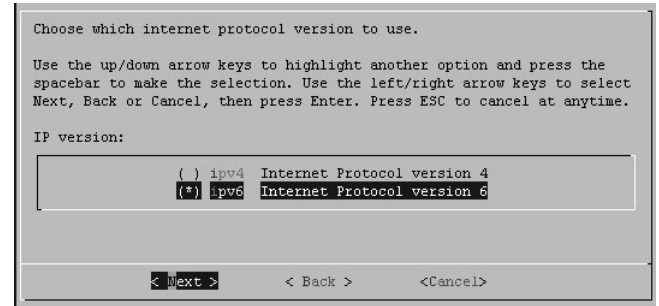
## 14 Configure Internet Protocol Settings

Using the up/down arrow keys, select:

- **IPv6** - Internet Protocol version 6
- **IPv4** - Internet Protocol version 4.

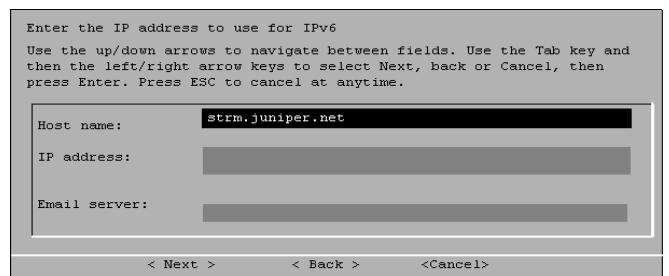
Using the left/right arrow keys, select **Next**. Press **Enter**. The New Root Password window appears.

If you selected IPv4, the The Configure STRM window appears. Go to Step 16.



If you selected IPv6, you must enter the IP address or name for the **Hostname, IP Address**, and **Email server**.

Using the left/right arrow keys, select **Next**. Press **Enter**. The Configure STRM window appears.



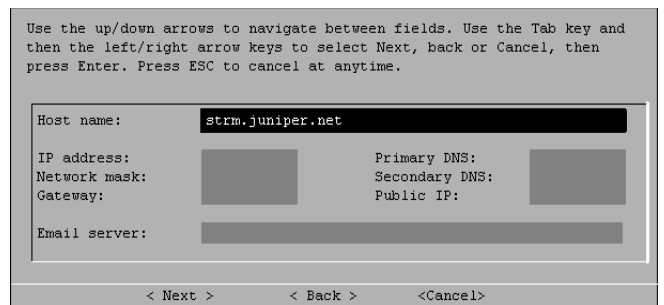
## 15 Configure STRM Settings

Using the up/down arrow keys to navigate the fields, update the following parameters:

- **Hostname** - Domain name as hostname.
- **IP Address** - IP address of the appliance.
- **Netmask** - Network mask address.
- **Gateway** - Default gateway address.
- **Primary DNS** - Primary DNS server address.
- **Secondary DNS\*** - Secondary DNS server address.
- **Public IP\*** - Public IP address of the server.
- **Email Server** - E-mail server name. If you do not have an e-mail server, enter **localhost**.

\* All fields are mandatory with the exception of the **Secondary DNS** and **Public IP**.

Press **Tab** and then, using the left/right arrow keys, select **Next**. Press **Enter**. The New Root Password window appears.



## Configure Passwords

- 16** a Enter your root password. Use the TAB key to navigate to the Next option. Press **Enter**. The Confirm Password window appears.
- b Re-enter your password to confirm. Use the TAB key to navigate to the **Finish** option and press **Enter**. When STRM completes the installation process, the Configuration is Complete window appears.

Enter New Root Password.

Enter the password and press enter. To leave the password unchanged, do not enter a value in the box. Use the Tab key and then the left/right arrow keys to select Next, Back or Cancel, then press Enter. Press ESC to cancel at anytime.

New Root Password:

< Next >    < Back >    < Cancel >

Confirm New Root Password.

Re-register the password and press enter. Use the Tab key and then the left/right arrow keys to select Next, Back or Cancel, then press Enter. Press ESC to cancel at anytime.

New Root Password (confirmation):

< Finish >    < Back >    < Cancel >

## Finish Installation

- 17** Press **Enter** to select OK. Type **exit** and press **Enter**.

Initial configuration of STRM is now complete.

You are now ready to connect to the STRM interface.

< OK >

## Access STRM

- 18** a Open your web browser.
- b Log in to STRM:

https://<IP Address>

Where <IP Address> is the IP address of the STRM Console. The default values are:

Username: **admin**

Password: <admin password>

For your STRM Console, a default license key provides you access to STRM for five weeks. For more information on the license key, see the *STRM Administration Guide*.

- c Click **OK**.

The STRM interface appears. You are now ready to start tuning STRM. For more information, see the *STRM Administration Guide*.



