

TECHNICAL NOTE

RE-INSTALLING STRM - REVISION 2

FEBRUARY 2009

This document provides information about re-installing STRM software from the recovery partition. When you re-install STRM, your system will be restored back to factory default configuration, meaning that your current configuration and data files will be overwritten. Unless otherwise noted, all references to STRM refer to both STRM and STRM SLIM.



Note: Recovery partition functionality is available only for fresh install of 2008.3 and not for an upgraded setup.

Refer to "Add-Recovery-Reinstalling

" for recovery partition on devices upgraded from 2008.2r2 to 2008.3.

This technical note includes:

- [About the Recovery Partition](#)
- [Re-installing STRM](#)

About the Recovery Partition

When you install STRM 2008.3, the installer (ISO) is copied into the recovery partition. From this partition, you can re-install STRM, which restores STRM to factory defaults.



Note: *Any software upgrades you perform after you install STRM 2008.3 will replace the ISO file with newer version.*

Whenever you reboot your STRM appliance, you will be presented with the option to re-install the software. If you do not respond to the prompt after 5 seconds, the system will reboot as normal, thus maintaining your configuration and data files. If you choose the re-install STRM, a warning message appears and you must confirm that you want to re-install STRM. After confirmation, the installer is run and you can follow the prompts through the installation process.



Note: *After a hard disk failure, you will be unable to re-install from the recovery partition, because it will no longer be available. If you experience a hard disk failure, contact Customer Support for assistance.*

Re-installing STRM To re-install STRM from the recovery partition:

Step 1 Reboot your STRM appliance.

A menu appears with the following options:

- Normal System - Starts STRM as normal.
- Factory re-install - Runs the installer.

Step 2 Select **Factory re-install**.

The installer runs and detects that there is already an installation present. The installer asks you to confirm that you want to overwrite it.

Step 3 Enter `flatten` to continue.

The installer repartitions and reformats the hard disk, installs the OS, and then re-installs STRM.

Step 4 Log in to STRM:

Username: **root**

Password: **password**



Note: *The username and password are case sensitive.*

Step 5 Press Enter.

The End User License Agreement (EULA) appears.

Step 6 Read the information in the window. Press the Spacebar to advance each window until you have reached the end of the document. Type **yes** to accept the agreement, and then press Enter.

The activation key window appears. The activation key is a 24-digit, four-part (separated by hyphens), alphanumeric string that you receive from Juniper Networks.

You can find the key:

- Printed on a sticker and physically placed on your appliance.
- Included with the packing slip; appliances are listed along with their associated keys.



Note: *You can get the activation key by logging into webui of STRM - Config – System Management – License*

Step 7 Enter your activation key.



Note: *The letter l and the number 1 (one) are treated the same, as are the letter O and the number 0 (zero).*

If you are setting up a STRM appliance, such as a STRM 2500, the Tuning Template window appears. Go to [Step 8](#).

If you are setting up a Flow Collector appliance, such as a Flow 500, the Time Zone Continent window appears. Go to [Step 12](#).

Step 8 To select a tuning template:

- a Using the up/down arrow keys, select one of the following tuning templates:
 - **Enterprise** - Tunes properties for internal network activity.
 - **University** - Tunes properties for education-specific concerns.



Note: For more information about each template, see the *STRM Administration Guide*.

- b Using the left/right arrow keys, select **Set Template**. Press Enter.
The Set Date and Time window appears.

```

Choose how to set the date and time.

Use the up/down arrow keys to highlight another option and press the
spacebar to make the selection. Use the left/right arrow keys to select
Next, Back or Cancel, then press Enter. Press Esc to cancel at anytime.

How to set the date and time:

```

(X) Manual	By entering time settings manually
() server	By specifying an NTP or Rdate server

```

< Next >      < Back >      <Cancel>

```

Step 9 Using the up/down arrow keys, highlight the method you want to use to set the date and time, then use the spacebar to select that option:

- **Manual** - Allows you to manually input the time and date. Use the Tab key to select the **Next** option. Press Enter. The Current Date and Time window appears. Go to [Step 10](#).
- **Server** - Allows you to specify your time server. Use the Tab key to select the **Next** option. Press Enter. The Enter Time Server window appears. Go to [Step 11](#).

Step 10 To manually enter the time and date:

- a Enter the current date and time.
- b Using the left/right arrow keys, select **Next**. Press Enter.
- c Go to [Step 12](#).

Step 11 To specify a time server:

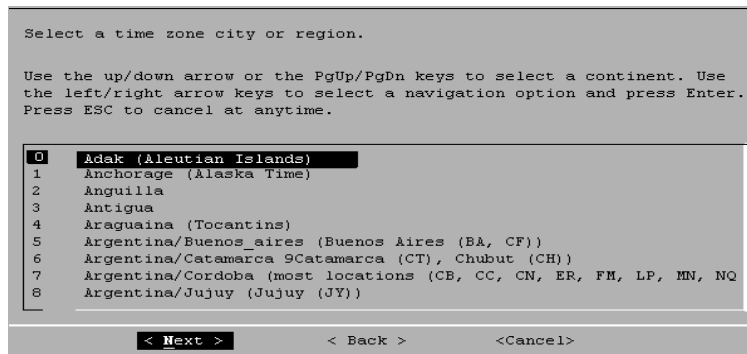
- a In the text field, enter the time server name or IP address.
- b Using the left/right arrow keys, select **Next**. Press Enter.
The Time Zone Continent window appears.



Step 12 To select the time zone continent:

- a Using the up/down arrow keys, or the page up/page down keys, select your time zone continent or area.
- b Using the left/right arrow keys, select **Next**, then press Enter.

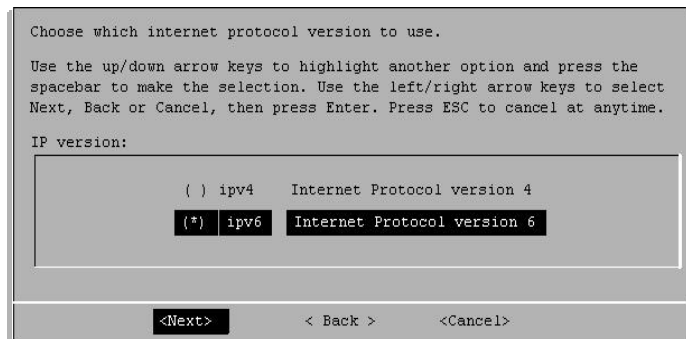
The Time Zone Region window appears.



Note: The options that appear in this window are regions that are associated with the continent or area previously selected.

- c Using the up/down arrow keys, or the page up/page down keys, select your time zone region.
- d Using the left/right arrow keys, select **Next**. Press Enter.

The Choose which Internet protocol to use window appears.



Step 13 To choose which Internet protocol version to use:

- a If you want to select IPv6:
 - Using the up/down arrow keys, or the page up/page down keys, select **IPv6**.
 - Using the left/right arrow keys, select **Next**. Press Enter.

The Enter the IP address to use for IPv6 window appears.

- Enter the IP address or name for the **Hostname**, **IP Address**, and **Email server**.
 - Using the left/right arrow keys, select **Next**. Press Enter.
- b If you want to select IPv4:
 - Using the up/down arrow keys, or the page up/page down keys, select **IPv4**.
 - Using the left/right arrow keys, select **Next**. Press Enter.

The Configure STRM window appears.

Step 14 To configure the STRM network settings:

- a You must change the displayed default values. Using the up/down arrow keys to navigate the fields, enter values for the following parameters:
 - **Hostname** - Specify a fully qualified domain name as the system hostname.
 - **IP Address** - Specify the IP address of the system.
 - **Network Mask** - Specify the network mask address for the system.
 - **Gateway** - Specify the default gateway of the system.
 - **Primary DNS** - Specify the primary DNS server address.

- **Secondary DNS** - Optional. Specify the secondary DNS server address.
 - **Public IP** - Optional. Specify the Public IP address of the server. This is a secondary IP address that is used to access the server, usually from a different network or the Internet, and is managed by your network administrator. The Public IP address is often configured using Network Address Translation (NAT) services on your network or firewall settings on your network. NAT translates an IP address in one network to a different IP address in another network.
 - **Email Server** - Specify the e-mail server. If you do not have an e-mail server, specify **localhost** in this field.
- b Use the TAB key to move to the **Next** option. Press Enter.
The New Root Password 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>

```

Step 15 To configure the STRM root password:

- a Enter your password.
- b Use the TAB key to move to the **Next** option. Press Enter.
The Confirm New Root Password window appears.

```

Confirm New Root Password.

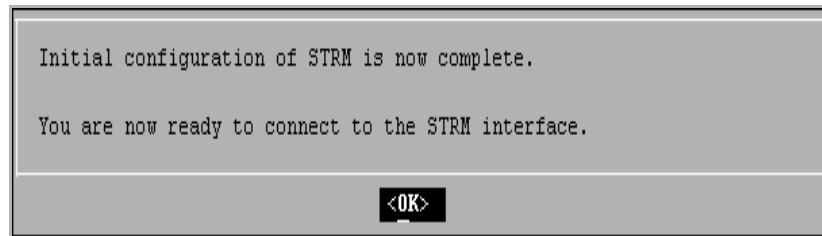
Re-register the password and press enter. Use the Tab key and then the
left/right arrow keys to select Next, Back or Cancel, then press Enter.
Press ESC to cancel at anytime.

New Root Password (confirmation):


<Finish>      < Back >      <Cancel>

```

- c Re-enter your new password to confirm.
- d Use the TAB key to move to the **Finish** option. Press Enter.
A series of messages appear as STRM continues with the installation. This process typically takes several minutes.
The Configuration is Complete window appears.



- Step 16** Press Enter to select **OK**.
You are now ready to access STRM.

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