

# JUNIPER NETWORKS STRM TECHNICAL NOTE

## CHANGING NETWORK SETTINGS

JUNE 2008

This document provides information on changing network settings for the Console and non-Console systems when using Trustix or CentOS-4 operating systems in your deployment including:

- [Changing Network Settings in an All-in-One Console](#)
- [Changing the Network Settings of a Console in a Multi-System Deployment](#)
- [Changing the Network Settings of a Non-Console in a Multi-System Deployment](#)



**Note:** This Technical Note applies to systems running STRM 2008.2 and above.

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### Changing Network Settings in an All-in-One Console

You can change the network settings in your All-In-One system. An All-In-One system has all STRM components, including the Administration Console, installed on one system.

To change the settings on the STRM Console:



**Note:** You must have a local connection to your Console before executing the script.

**Step 1** Log in to the Console, as root.

**Step 2** Enter the following command:

```
qchange_netsetup
```

The Configure STRM window appears.

```
Configure 6.1.0.383 STRM:
Use the up/down arrows to navigate between fields. 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.

Host name:      strm.juniper.net
IP address:
Network mask:
Gateway:
Email server:
Primary DNS:
Secondary DNS:
Public IP:
```

< Next >      < Back >      <Cancel>

**Step 3** Using the up/down arrow keys to navigate the fields, change the necessary parameters:

- **Hostname** — Specify a fully qualified domain name as the system hostname.



**Note:** *If you change the hostname and you are using Offense Resolution, we recommend you also update the Resolver Agent name, if a Resolver Agent is assigned to the host.*

- **IP Address** - Specify the IP address of the system.
- **Netmask** - Specify the network mask address for the system.
- **Gateway** - Specify the default gateway of the system.
- **Primary DNS** - Specify the primary DNS server.
- **Secondary DNS** - Optional. Specify the secondary DNS server.
- **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. This 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 email server. If you do not have an email server, specify **localhost** in this field.

**Step 4** Use the TAB key to navigate to the Finish option. Press **Enter**.

A series of messages appear as STRM processes the requested changes. After the requested changes are processed, the STRM system is automatically shutdown and rebooted.

### Changing the Network Settings of a Console in a Multi-System Deployment

To change the network settings in a multi-system deployment, you must remove all non-Console managed hosts from the deployment, change the network settings, re-add the managed host(s), and then re-assign the component(s).

You must perform this procedure in the following order:

- [Removing Non-Console Managed Hosts](#)
- [Changing the Network Settings](#)
- [Re-Adding Managed Host\(s\) and Re-Assigning the Components](#)



**Note:** *This procedure requires you to use the Deployment Editor. For more information on using the Deployment Editor, see the STRM Administration Guide.*

### Removing Non-Console Managed Hosts

To remove non-Console managed hosts from your deployment, you must:

**Step 1** Log in to STRM:

`https://<IP Address>`

Where `<IP Address>` is the IP address of the STRM system.

Username: `admin`

Password: `<root password>`

Where `<root password>` is the password assigned to STRM during the installation process.

- Step 2** In the main STRM Interface, click **Config**.
- Step 3** Click the deployment editor icon.
- Step 4** Click the **System View** tab.
- Step 5** Select the managed host you wish to delete.
- Step 6** Use the right mouse button (right-click) to access the menu, select **Remove host**. Repeat for each non-Console managed host until all hosts are deleted.
- Step 7** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.
- Step 8** Exit from the Administration Console.



**Note:** If the Administration Console is still active on your system tray, use the right-mouse button (right-click) to access the menu and select **Exit**.

Changes are deployed.

## Changing the Network Settings

To change the network settings, you must:

- Step 1** Log in to the Console as root.
- Step 2** Enter the following command:  
`qchange_netsetup`  
The Network Settings window appears.
- Step 3** Using the up/down arrow keys to navigate the fields, make the necessary changes to the following parameters:



- **Hostname** — Specify a fully qualified domain name as the system hostname.
- Note:** If you change the hostname and you are using Offense Resolution, we recommend you also update the Resolver Agent name, if a Resolver Agent is assigned to the host.
- **IP Address** - Specify the IP address of the system.
  - **Netmask** - Specify the network mask address for the system.
  - **Gateway** - Specify the default gateway of the system.
  - **Primary DNS** - Specify the primary DNS server.
  - **Secondary DNS** - Optional. Specify the secondary DNS server.
  - **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. This

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 email server. If you do not have an email server, specify **localhost** in this field.

**Step 4** Use the TAB key to move to the Finish option. Press **Enter**.

A series of messages appear as STRM processes the requested changes. After the requested changes are processed, the STRM system is automatically shutdown and rebooted.

### Re-Adding Managed Host(s) and Re-Assigning the Components

To re-add the managed host(s) and re-assign component(s), you must:

**Step 1** Log in to STRM and access the System View in the Deployment Editor, as defined in [Step 1, Removing Non-Console Managed Hosts](#).

Re-add managed host(s) to your deployment.

**Step 2** From the menu, select **Actions > Add a managed host**.

The Add a new host wizard appears.

**Step 3** Click **Next**.

The Enter the host's IP window appears.

**Step 4** Enter values for the parameters:

- **Enter the IP of the server or appliance to add** — Specify the IP address of the host you wish to add to your System View.
- **Enter the root password of the host** — Specify the root password for the host.
- **Confirm the root password of the host** — Specify the password again, for confirmation.

**Step 5** Click **Next**.

**Step 6** Click **Finish**.

**Step 7** Re-assign all components to your non-Console managed host.

- In the STRM Deployment Editor, click the **Flow View** or **Event View** tab.
- Select the component you wish to re-assign to the managed host.
- From the menu, select **Actions > Assign**



**Note:** You can also use the right mouse button (right-click) to access the Actions menu items.

The Assign Component wizard appears.

- From a Select a host drop-down list box, select the host you wish to re-assign to this component. Click **Next**.

- e Click **Finish**.
- Step 8** Repeat for each non-Console managed host until all hosts are re-added and re-assigned.
- Step 9** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.  
Changes are deployed.

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## Changing the Network Settings of a Non-Console in a Multi-System Deployment

To change the network settings of a non-Console in a multi-system deployment, you must remove all non-Console managed host from the deployment, change the network settings, re-add the managed host, and then re-assign the component(s).

You must perform this procedure in the following order:

- [Removing the Non-Console Managed Host](#)
- [Changing the Network Settings](#)
- [Re-Adding the Managed Host and Re-Assigning the Components](#)



**Note:** This procedure requires you to use the Deployment Editor. For more information on using the Deployment Editor, see the STRM Administration Guide.

## Removing the Non-Console Managed Host

To remove non-Console managed host from your deployment, you must:

- Step 1** Log in to STRM:  
 https://<IP Address>  
 Where <IP Address> is the IP address of the STRM system.  
 Username: **admin**  
 Password: <root password>  
 Where <root password> is the password assigned to STRM during the installation process.
- Step 2** In the main STRM Interface, click **Config**.
- Step 3** In the main STRM Interface, click **Config**.
- Step 4** Click the deployment editor icon.
- Step 5** Click the **System View** tab.
- Step 6** Select the managed host you wish to delete.
- Step 7** Use the right mouse button (right-click) to access the menu, select **Remove host**.
- Step 8** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.
- Step 9** Exit from the Administration Console.



**Note:** If the Administration Console is still active on your system tray, use the right-mouse button (right-click) to access the menu and select **Exit**.

Changes are deployed.

## Changing the Network Settings

To change the network settings, you must:

**Step 1** Log in to the non-Console as root.

**Step 2** Enter the following command:

```
qchange_netsetup
```

The Network Settings window appears.

**Step 3** Using the up/down arrow keys to navigate the fields, make the necessary changes to the following parameters:

- **Hostname** — Specify a fully qualified domain name as the system hostname.



**Note:** If you change the hostname and you are using Offense Resolution, we recommend you also update the Resolver Agent name, if a Resolver Agent is assigned to the host.


- **IP Address** - Specify the IP address of the system.
- **Netmask** - Specify the network mask address for the system.
- **Gateway** - Specify the default gateway of the system.
- **Primary DNS** - Specify the primary DNS server.
- **Secondary DNS** - Optional. Specify the secondary DNS server.
- **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. This 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 email server. If you do not have an email server, specify **localhost** in this field.

**Step 4** Use the TAB key to move to the Finish option. Press **Enter**.

A series of messages appear as STRM processes the requested changes. After the requested changes are processed, the STRM system is automatically shutdown and rebooted.

### Re-Adding the Managed Host and Re-Assigning the Components

To re-add the managed host and re-assign component(s), you must:

- Step 1** Log in to STRM and access the System View in the Deployment Editor, as defined in [Step 1, Removing the Non-Console Managed Host](#).  
Re-add managed host to your deployment.
- Step 2** From the menu, select **Actions > Add a managed host**.  
The Add a new host wizard appears.
- Step 3** Click **Next**.  
The Enter the host's IP window appears.
- Step 4** Enter values for the parameters:
- **Enter the IP of the server or appliance to add** — Specify the IP address of the host you wish to add to your System View.
  - **Enter the root password of the host** — Specify the root password for the host.
  - **Confirm the root password of the host** — Specify the password again, for confirmation.
- Step 5** Click **Next**.
- Step 6** Click **Finish**.
- Step 7** Re-assign all components to your non-Console managed host.
- a In the STRM Deployment Editor, click the **Flow View** or **Event View** tab.
  - b Select the component you wish to re-assign to the managed host.
  - c From the menu, select **Actions > Assign**
-  **Note:** You can also use the right mouse button (right-click) to access the Actions menu items.
- The Assign Component wizard appears.
- d From a Select a host drop-down list box, select the host you wish to re-assign to this component. Click **Next**.
  - e Click **Finish**.
- Step 8** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.  
Changes are deployed.

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