

# Upgrading to JUNOS Software Release 6.x.x or Higher-numbered Releases from Release 5.1.1 or Lower-numbered Releases

Release 5.1.1 or lower-numbered releases only support application images up to 172 MB. To install larger application images for Release 6.0.0 and higher-numbered releases, you must first install Release 5.1.2 (or the highest-numbered 5.x.x release). This enables the system to support application images greater than 172 MB. For example, you cannot go from Release 5.1.1 to Release 7.2.0 without first upgrading to Release 5.1.2. See Table 1.

**Table 1: Release Compatibility**

<b>JUNOS Release</b>	<b>Highest Release Able to Load</b>	<b>Cannot Load</b>	<b>Maximum Application Image</b>
5.1.1 or lower-numbered release	5.3.5p0-2 or the highest-numbered 5.x.x release	6.x.x or higher-numbered release	~ 172 MB
5.1.2 or higher-numbered release	No limitation	Not applicable	~ 234 MB
7.2.0 or higher-numbered release	No limitation	Not applicable	~ 256 MB

Your software upgrades may be available remotely through Telnet or FTP, or may be delivered on a new NVS card. Depending on how you access the software updates, there are two different procedures to follow. See the appropriate section for instructions:

- Upgrading Software Remotely Through Telnet or FTP
- Upgrading Software from an NVS Card

For more detailed information on installing software, and about NVS cards and SRP modules, see:

- *JUNOS System Basics Configuration Guide, Chapter 6, Managing Modules*
- *Upgrading NVS Cards on SRP Modules in ERX Hardware Guide, Chapter 8, Maintaining the Router*

## Upgrading Software Remotely Through Telnet or FTP

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Follow these steps to upgrade your system software remotely:

1. Copy the new release to your system (using Telnet or FTP).



**NOTE:** The release you are installing must be Release 5.1.2 or higher-numbered 5.x.x release.

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2. Install and arm the release from the **config#** prompt using the normal upgrade procedures as described in the *JUNOS System Basics Configuration Guide*.
3. Reload and configure the software.

After the system is configured with a 5.x.x release, newer releases are supported and can be installed.

## Upgrading Software from an NVS Card

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Follow these steps to upgrade your system software when the software is on an NVS card. The procedure you use depends on the number of SRP modules in the system. For more detailed information, see:

- *JUNOS System Basics Configuration Guide, Chapter 6, Managing Modules*
- *Upgrading NVS Cards on SRP Modules in ERX Hardware Guide, Chapter 8, Maintaining the Router*

## Upgrading a System That Contains One SRP Module

If the system contains only one SRP module, you must power off the system before you upgrade the NVS card.

To upgrade the NVS card on a system that contains one SRP module:

1. Enter the **halt** command.
2. Connect your antistatic wrist strap to the ESD grounding jack on the router.
3. Power off the system.
4. Replace the NVS card on the SRP module.



**NOTE:** The release you are installing must be Release 5.1.2 or higher-numbered 5.x.x release.

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5. Power on the system.

After the system is configured with a 5.x.x release, newer releases are supported and can be installed.

## Upgrading a System That Contains Two SRP Modules

In a system that contains two SRP modules, you can upgrade the software without powering off the system.

To upgrade the software in a system that contains two SRP modules:

1. Connect your antistatic wrist strap to the ESD grounding jack on your router.
2. Turn off autosynchronization.

```
host1#enable
host1#configure
Configuring from terminal or file [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
```

```
host1 (config)#disable-autosync
host1 (config)#exit
```

3. Halt the redundant SRP module.

```
host1#halt standby-srp
```

4. Remove the redundant SRP module from the chassis.
5. Replace the NVS card on this SRP module.



**NOTE:** The release you are installing must be Release 5.1.2 or higher-numbered 5.x.x release.

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6. Reinsert the SRP module into the chassis.
7. Force the redundant SRP module to take over from the primary SRP module.

```
host1#srp switch
```

8. Turn on autosynchronization.

```
host1#enable
host1#configure
Configuring from terminal or file [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
```

```
host1 (config)#no disable-autosync
host1 (config)#exit
```

The software is updated on the other SRP module.

After the system is configured with a 5.x.x release, newer releases are supported and can be installed.

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Juniper Networks, Inc.  
1194 North Mathilda Avenue  
Sunnyvale, CA 94089 USA

Phone 408 745 2000  
or 888 JUNIPER  
Fax 408 745 2100

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