

Installing Software on EX-series Switches (CLI Procedure)

You can upgrade software packages on a single fixed-configuration switch, on an individual member of a virtual chassis, or for all members of a virtual chassis.



NOTE: To install software on an EX 8200 series switch that has two Routing Engines without disrupting network operation, perform a JUNOS software installation on each Routing Engine separately, starting with the backup.

You must first disable graceful Routing Engine switchover (GRES) using the **deactivate chassis redundancy** command. Then install the new JUNOS software release on the backup Routing Engine while keeping the currently running software version on the master Routing Engine. After making sure that the new software version is running correctly on the backup Routing Engine, transfer routing control to the backup Routing Engine (using the **request chassis routing-engine master switch** command) to activate the new software. Install the new software on the new backup Routing Engine. Then re-enable GRES.

See the *JUNOS Software Software Installation and Upgrade Guide* at <http://www.juniper.net/techpubs/software/junos/junos94/> for additional details on installing software on a system with redundant routing engines.

To install software upgrades on an EX-series switch with the CLI:

1. Download the software package as described in Downloading Software Packages from Juniper Networks.
2. Copy the software package to the switch. We recommend that you use FTP to copy the file to the `/var/tmp` directory.
3. To install the new package on the switch, enter the following command:

```
user@switch> request system software add source [member member_id] reboot
```

Include the **member** option to install the software package on only one member of a virtual chassis. Other members of the virtual chassis are not affected. To install the software on all members of the virtual chassis, do not include the **member** option.

Replace **source** with one of the following paths:

- For a software package that is installed from a local directory on the switch—`/pathname/package-name`.
- For software packages that are downloaded and installed from a remote location:
 - `ftp://hostname/pathname/package-name`
 - `http://hostname/pathname/package-name`

Where **package-name** is, for example,
`jinstall-ex-4200-9.4R1.5-domestic-signed.tgz`

- Related Topics**
- Installing Software on EX-series Switches (J-Web Procedure)
 - Troubleshooting Software Installation
 - See the *JUNOS Software System Basics and Services Command Reference* for details about the `request system software add` command.
 - Understanding Software Installation on EX-series Switches