

## Booting an EX-series Switch Using a Software Package Stored on a USB Flash Drive

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You can download a software package onto a USB flash drive from a computer or any other device that can be used to download a package from the Internet to the USB flash drive. The USB flash drive storing the JUNOS software package can then be removed from the computer or other device and placed into the USB port on the EX-series switch. If an EX-series switch displays the prompt for the loader script, you can use a JUNOS software package that you have stored on the USB flash drive to boot the switch.



**NOTE:** The USB flash drive is not accessible from the CLI prompt on EX-series switches, and files cannot be copied from any other memory system on the EX-series switch to the USB flash drive.

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To boot an EX-series switch using a software package on the USB flash drive:

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**NOTE:** Ensure that you have the following tools and parts available to boot the switch from a USB flash drive:

- A USB flash drive that meets the EX-series switch USB port specifications. See USB Port Specifications for an EX-series Switch.
  - A computer or other device that you can use to download the software package from the Internet and copy it to the USB flash drive.
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1. Download the JUNOS software package that you would like to place onto the EX-series switch from the Internet onto the USB flash drive using your computer or other device. See Downloading Software Packages from Juniper Networks.
2. Remove the USB flash drive from the computer or other device.
3. Insert the USB flash drive into the USB port on the EX-series switch.
4. This step can only be performed when the prompt for the loader script is displayed. For information on accessing this prompt, see Troubleshooting Software Installation.

Install the software package onto the switch:

```
loader> install source
```

where **source** represents the name and location of the JUNOS software package on the USB flash drive. The JUNOS package on a flash drive is commonly stored in the root drive as the only file; for example, `file:///jinstall-ex-4200-9.4R1.5-domestic-signed.tgz`.

The installation proceeds as normal and ends with a login prompt.

- Related Topics**
- See Rear Panel of an EX 3200 Switch for USB port location.
  - See Rear Panel of an EX 4200 Switch for USB port location.
  - See Switch Fabric and Routing Engine (SRE) Module in an EX 8208 Switch for USB port location.
  - See Routing Engine (RE) Module in an EX 8216 Switch for USB port location.
  - Installing Software on EX-series Switches with a Single Routing Engine (CLI Procedure)
  - Installing Software on EX-series Switches (J-Web Procedure)
  - Understanding Software Installation on EX-series Switches