

# Release Notes: Puppet for Junos OS

## Release 3.0

**Release 3.0**  
**22 June 2017**

These release notes accompany Release 3.0 of Puppet for Junos OS. They describe new and changed features, limitations, and known and resolved problems in the software.

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## Puppet for Junos OS Release 3.0

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### Supported Devices and Junos OS Releases

Puppet for Junos OS Release 3.0 should only be used with the devices running the Junos OS release and **jpuppet** package specified in [Table 1 on page 3](#).



**NOTE:** QFX Series switches running Junos OS with enhanced automation do not require the **jpuppet** package, because the Puppet agent is integrated into the software.

**Table 1: Puppet for Junos OS Release 3.0 Supported Devices**

Device	Junos OS Release	jpuppet Package	Compatible Versions of netdev_stdlib_junos
MX80	16.1R1 or later release	<b>jpuppet-powerpc-3.6.1_3.n.tgz</b>	2.x.y
MX104	16.1R1 or later release	<b>jpuppet-powerpc-3.6.1_3.n.tgz</b>	2.x.y
MX240 MX480 MX960	16.1R1 or later release	<b>jpuppet-x86-32-3.6.1_3.n.tgz</b>	2.x.y
QFX10002 QFX10008 QFX10016	17.1R2 or later release	<b>jpuppet-x86-32-3.6.1_3.n.tgz</b>	2.x.y
	17.1R2 with enhanced automation or a later release with enhanced automation	—	2.x.y



**NOTE:** Additional devices are supported in other Puppet for Junos OS releases. For the complete list of supported devices and releases, see [Puppet for Junos OS Supported Platforms](#).

### New Features

Release 3.0 of Puppet for Junos OS introduces the following new features:

- Support for the following devices:
  - MX Series routers running Junos OS Release 16.1R1 or later release

- QFX10000 line of switches running Junos OS Release 17.1R2 or later release

## Installation Notes

- **Puppet netdev modules**—There are two Puppet modules. The `netdevops/netdev_stdlib` module includes the Puppet Type definitions for the netdev resources, and the `juniper/netdev_stdlib_junos` module includes the Junos OS-specific code that implements each of the types. Installing the `netdev_stdlib_junos` module automatically installs both modules.

The Puppet master must use `netdev_stdlib_junos` version 2.0.2 or later to manage the QFX10000 line of switches and MX Series routers that have Release 3.0 of the Puppet for Junos OS package installed.

- QFX Series switches running Junos OS with enhanced automation have the Puppet agent integrated into the software. You do not need to install the Puppet agent on these switches, but you must configure the Junos OS user account for Puppet and start the Puppet agent process in order to use Puppet for Junos OS on these devices.
- **Puppet client .cshrc configuration**—The Puppet for Junos OS Release 3.0 packages are built using the Juniper Extension Toolkit (JET) software. When you configure the Junos OS user account and `.cshrc` file for Puppet on the client device running Junos OS, the `.cshrc` file must use the `/opt/jet` path instead of the `/opt/sdk` path that was required in older Puppet for Junos OS releases.

```
setenv PATH ${PATH}:/opt/jet/juniper/bin
```

[See [Installing the Puppet Agent on Devices Running Junos OS.](#)]

## Known Limitations

This section lists known limitations with this release.

- **Puppet agent addressable memory**—The Puppet agent execution environment by default uses 64 MB of addressable memory. You can expand the usable memory to higher values depending on the device running Junos OS.

[See [Configuring the Puppet for Junos OS Addressable Memory.](#)]

## Documentation and Release Notes

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To obtain the most current version of all Juniper Networks® technical documentation, see the product documentation page on the Juniper Networks website at <http://www.juniper.net/techpubs/>.

If the information in the latest release notes differs from the information in the documentation, follow the product Release Notes.

Juniper Networks Books publishes books by Juniper Networks engineers and subject matter experts. These books go beyond the technical documentation to explore the nuances of network architecture, deployment, and administration. The current list can be viewed at <http://www.juniper.net/books>.

## Documentation Feedback

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We encourage you to provide feedback, comments, and suggestions so that we can improve the documentation. You can provide feedback by using either of the following methods:

- Online feedback rating system—On any page of the Juniper Networks TechLibrary site at <http://www.juniper.net/techpubs/index.html>, simply click the stars to rate the content, and use the pop-up form to provide us with information about your experience. Alternately, you can use the online feedback form at <http://www.juniper.net/techpubs/feedback/>.
- E-mail—Send your comments to [techpubs-comments@juniper.net](mailto:techpubs-comments@juniper.net). Include the document or topic name, URL or page number, and software version (if applicable).

## Requesting Technical Support

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Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active J-Care or Partner Support Service support contract, or are covered under warranty, and need post-sales technical support, you can access our tools and resources online or open a case with JTAC.

- JTAC policies—For a complete understanding of our JTAC procedures and policies, review the *JTAC User Guide* located at <http://www.juniper.net/us/en/local/pdf/resource-guides/7100059-en.pdf>.
- Product warranties—For product warranty information, visit <http://www.juniper.net/support/warranty/>.
- JTAC hours of operation—The JTAC centers have resources available 24 hours a day, 7 days a week, 365 days a year.

## Self-Help Online Tools and Resources

For quick and easy problem resolution, Juniper Networks has designed an online self-service portal called the Customer Support Center (CSC) that provides you with the following features:

- Find CSC offerings: <http://www.juniper.net/customers/support/>
- Search for known bugs: <https://prsearch.juniper.net/>
- Find product documentation: <http://www.juniper.net/documentation/>
- Find solutions and answer questions using our Knowledge Base: <http://kb.juniper.net/>
- Download the latest versions of software and review release notes: <http://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications: <http://kb.juniper.net/InfoCenter/>

- Join and participate in the Juniper Networks Community Forum:  
<http://www.juniper.net/company/communities/>
- Open a case online in the CSC Case Management tool: <http://www.juniper.net/cm/>

To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool: <https://entitlementsearch.juniper.net/entitlementsearch/>

## Opening a Case with JTAC

You can open a case with JTAC on the Web or by telephone.

- Use the Case Management tool in the CSC at <http://www.juniper.net/cm/>.
- Call 1-888-314-JTAC (1-888-314-5822 toll-free in the USA, Canada, and Mexico).

For international or direct-dial options in countries without toll-free numbers, see <http://www.juniper.net/support/requesting-support.html>.

## Revision History

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22 June 2017—Revision 2, adding support for the QFX10000 line of switches; new package naming convention

29 June 2016—Revision 1, Release 3.0 of Puppet for Junos OS

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