

Release Notes: Salt for Junos® OS Release 3001

26 June 2020

Contents	Salt for Junos OS Disclaimer 2
	Introduction 2
	What's New 3
	 General 3
	 Junos Execution and State Module Functions 3
	Known Limitations 4
	Open Issues 4
	Resolved Issues 4
	Documentation Feedback 5
	Requesting Technical Support 5
	 Self-Help Online Tools and Resources 6
	 Creating a Service Request with JTAC 6
	Revision History 6

Salt for Junos OS Disclaimer

Use of the Salt for Junos OS software implies acceptance of the terms of this disclaimer, in addition to any other licenses and terms required by Juniper Networks.

Juniper Networks is willing to make the Salt for Junos OS software available to you only upon the condition that you accept all of the terms contained in this disclaimer. Please read the terms and conditions of this disclaimer carefully.

The Salt for Junos OS software is provided *as is*. Juniper Networks makes no warranties of any kind whatsoever with respect to this software. All express or implied conditions, representations and warranties, including any warranty of non-infringement or warranty of merchantability or fitness for a particular purpose, are hereby disclaimed and excluded to the extent allowed by applicable law.

In no event will Juniper Networks be liable for any direct or indirect damages, including but not limited to lost revenue, profit or data, or for direct, special, indirect, consequential, incidental or punitive damages however caused and regardless of the theory of liability arising out of the use of or inability to use the software, even if Juniper Networks has been advised of the possibility of such damages.

Introduction

Salt is a Python-based, open-source remote execution and configuration management tool. Salt for Junos OS enables you to use Salt to manage devices running Junos OS.

Salt for Junos OS can be used with the following Juniper Networks® hardware: ACX Series, EX Series, MX Series, NFX Series, PTX Series, QFX Series, and SRX Series.

These release notes accompany Juniper Networks Salt for Junos OS Release 3001, which corresponds to Salt Release 3001 (Sodium). They describe new and changed features, limitations, and known and resolved problems.

What's New

IN THIS SECTION

- [General | 3](#)
- [Junos Execution and State Module Functions | 3](#)

Learn about new features introduced in this release.

General

- **Salt for Junos OS**—Salt is a Python-based, open-source remote execution and configuration management tool. Salt version 3001 (Sodium) or later includes the following components and modules, which enable you to use Salt to manage devices running Junos OS:
 - [Junos proxy](#)—Translates Salt operations into Junos OS-specific instructions and enables the Salt system to connect to and manage devices running Junos OS.
 - [Junos execution module](#)—Defines execution functions that enable you to perform ad hoc tasks on devices running Junos OS from the Salt master command line.
 - [Junos state module](#)—Defines state functions that enable you to declare and enforce the desired state of a device running Junos OS.
 - [Junos syslog engine](#)—Monitors system log messages sent from devices running Junos OS, extracts the event information, and publishes it in Salt format on the Salt event bus.

Junos Execution and State Module Functions

- **junos.install_os supported deployment scenarios**—The `junos.install_os` execution and state functions support installing or upgrading Junos OS in the following deployment scenarios:
 - Standalone device with a single Routing Engine
 - Standalone device equipped with dual Routing Engines
 - EX Series Virtual Chassis in non-mixed-mode configurations

- QFX Series Virtual Chassis in non-mixed-mode configurations
- VM Host upgrade on Routing Engines with VM Host Support
- Deployment configuration that has some form of *in-service* features enabled, such as unified ISSU or NSSU

Known Limitations

There are no known behaviors, system maximums, or limitations in software in Salt for Junos OS Release 3001.

Open Issues

Learn about open issues in this release. For the most complete and latest information about known Salt and Salt for Junos OS defects, see the open issues listing for the Salt and Salt for Junos OS projects in GitHub at:

- <https://github.com/saltstack/salt/issues>
- <https://github.com/Juniper/salt/issues>

Resolved Issues

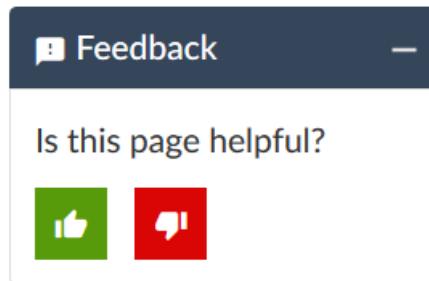
For the most complete and latest information about resolved Salt and Salt for Junos OS defects, see the closed issues listing for the Salt and Salt for Junos OS projects in GitHub at:

- <https://github.com/saltstack/salt/issues?q=is:issue+is:closed>
- <https://github.com/Juniper/salt/issues?q=is:issue+is:closed>

Documentation Feedback

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 system—Click TechLibrary Feedback, on the lower right of any page on the [Juniper Networks TechLibrary](#) site, and do one of the following:



- Click the thumbs-up icon if the information on the page was helpful to you.
- Click the thumbs-down icon if the information on the page was not helpful to you or if you have suggestions for improvement, and use the pop-up form to provide feedback.
- E-mail—Send your comments to techpubs-comments@juniper.net. Include the document or topic name, URL or page number, and software version (if applicable).

Requesting Technical Support

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 <https://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: <https://www.juniper.net/customers/support/>
- Search for known bugs: <https://prsearch.juniper.net/>
- Find product documentation: <https://www.juniper.net/documentation/>
- Find solutions and answer questions using our Knowledge Base: <https://kb.juniper.net/>
- Download the latest versions of software and review release notes:
<https://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications:
<https://kb.juniper.net/InfoCenter/>
- Join and participate in the Juniper Networks Community Forum:
<https://www.juniper.net/company/communities/>
- Create a service request online: <https://myjuniper.juniper.net>

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

Creating a Service Request with JTAC

You can create a service request with JTAC on the Web or by telephone.

- Visit <https://myjuniper.juniper.net>.
- 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
<https://support.juniper.net/support/requesting-support/>.

Revision History

26 June 2020—Revision 1, Salt for Junos OS Release 3001

Copyright © 2020 Juniper Networks, Inc. All rights reserved.

Juniper Networks, the Juniper Networks logo, Juniper, and Junos are registered trademarks of Juniper Networks, Inc. and/or its affiliates in the United States and other countries. All other trademarks may be property of their respective owners.

Juniper Networks assumes no responsibility for any inaccuracies in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice.