

Contrail Release 3.0.3.4 Release Notes

Release 3.0.3.4
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Introduction

Juniper Networks Contrail is an open, standards-based software solution that delivers network virtualization and service automation for federated cloud networks. It provides self-service provisioning, improves network troubleshooting and diagnostics, and enables service chaining for dynamic application environments across enterprise virtual private cloud (VPC), managed Infrastructure as a Service (IaaS), and Networks Functions Virtualization (NFV) use cases.

These release notes includes new features, known issues, and resolved items for Contrail Release 3.0.3.4, a maintenance release for Contrail Release 3.0.3.0.

For a full description of new features, limitations, known problems, and upgrade instructions for Contrail Release 3.0.3.0, refer to [Release Notes for Contrail Release 3.0.3.0](#).

For full documentation of all features, refer to [Contrail Release 3.0, Feature Guide](#).

New and Changed Features in Contrail Release 3.0.3.4

The feature listed in this section is new as of Contrail Release 3.0.3.4.

vRouter Support for Fragmented IPv6 Packets

The vRouter code is enhanced to handle fragmented IPv6 packets.

Supported Platforms

Contrail Networking Release 3.0.3.4 is supported on the OpenStack Juno and Kilo releases, on the following operating system versions:

- Ubuntu 14.04.2
- Centos 7.1
- vCenter 5.5
- vCenter is limited to Ubuntu 14.04.2 (Linux kernel version: 3.13.0-40-generic)
- vCenter 6.0 is also supported as Beta.

Contrail Networking Release 3.0.3.4 is supported on the OpenStack Liberty release on the following operating system versions:

- Ubuntu 14.04.2
- Red Hat 7.2 (RHOSP8)

Contrail Cloud Release 3.0 is only supported on Ubuntu 14.04.2, and is no longer supported on Ubuntu 12.04 or Centos 6.x.

Additionally, Openstack Icehouse is no longer supported.

Following is the supported Linux kernel version for each distribution supported on Contrail Release 3.0.

- CentOS 7.1 — Linux kernel version 3.10.0-229.el7
- Ubuntu 14.04.2 — Linux kernel version 3.13.0-40-generic
- Red Hat 7.1 — Linux kernel version 3.10.0-229.el7
- vCenter 5.5 — vRouter VM on Ubuntu 14.04 kernel version 3.13.0-40-generic

Known Behavior in Contrail Release 3.0.3.4

- 1716308 When the head fragment is received in the vRouter, the head fragment is enqueued to the assembler immediately upon arrival. The flow is created as hold flow and then trapped to agent. If fragments corresponding to this head fragment are already in the assembler or if new fragments arrive immediately after head fragment, the assembler releases them to flow module. If agent does not write flow action by the time the assembler releases fragments to flow module, fragments get enqueued in hold queue. As only maximum of three fragments are enqueued in holdq, rest of the fragments from the assembler gets dropped in the flow module. This leads to the whole packet being dropped on the receive side leading to first packet loss.

Resolved Issues

You can research limitations that are fixed with this release in Launchpad at <https://launchpad.net/juniperopenstack/+milestone/r3.0.3.4>.

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 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. 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 <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

October 2017—Revision 1, Contrail 3.0.3.4

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