

Release Notes for Contrail Release 2.21.2

Release 2.21.2
July 2016

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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 list known problems and resolved items included in Contrail Release 2.21.2, a maintenance release for Contrail Release 2.21.

For a full description of new features for Contrail Release 2.21, refer to [Release Notes for Contrail Release 2.21](#).

For full documentation of all features, refer to [Contrail Feature Guide, Release 2.21](#).

Known Behavior

The following are known behaviors in this release of Contrail.

- DNS record updates from a controller DNS server to a named server might be missing even after repeated retries. This is because there is no infrastructure currently to sync records across named servers.
- DNS queries from an agent are now sent to both named servers that were learnt using discovery. There is a very low probability of records missing on both named servers.

The first good response from either of the named servers is used to update the DNS client that sent the DNS query request. If there is no good response, the last bad response is sent to the DNS client to inform the client of the error.

Use the following to display a list of named servers to which queries are sent:

`http://x.x.x.x:8085/Snh_DnsInfo`

Use the following to trace the queries sent and responses:

`http://x.x.x.x:8085/Snh_SandeshTraceRequest?x=DnsBind`

Resolved Issues

You can research limitations that are fixed with this release in [Launchpad](#) at <https://launchpad.net/juniperopenstack/+milestone/r2.21.2>.

Upgrading Contrail Software from Release 2.00 or Greater to Release 2.21

There is no change to the software upgrade process in Contrail Release 2.22.2, refer to [Upgrading Contrail Software from Release 2.00 or Greater to Release 2.20](#).

Related Documentation

- [Contrail Getting Started Guide, Release 2.21](#)

- [Contrail Feature Guide, Release 2.21](#)

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: <http://www2.juniper.net/kb/>
- Find product documentation: <http://www.juniper.net/techpubs/>
- 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://tools.juniper.net/SerialNumberEntitlementSearch/>

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

December 2015—Revision 1, Contrail 2.22

October 2015—Revision 1, Contrail 2.21

August 2015—Revision 1, Contrail 2.20

April 2014—Revision 1, Contrail 1.05

18 March 2014—Revision 1, Contrail 1.04

January 2014—Revision 1, Contrail 1.03

21 October 2013—Revision 1, Contrail 1.02

16 September 2013—Revision 1, Contrail 1.0

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