

Release Notes

Published
2024-06-10

vJunosEvolved Release 23.2R1®

Introduction

These release notes accompany vJunosEvolved Release 23.2R1. These Release Notes describes new and changed features, known limitations, and open and resolved problems in the software.

vJunosEvolved is Juniper Networks® virtual Junos OS Evolved based platform. This virtual form factor is introduced to make it easy for users to create instant virtual lab topologies for training, demo, proof of concept, script development, configuration generation and testing the control plane in a virtual lab environments, without having to build labs with Juniper Networks' physical devices based on Junos OS Evolved.

You can find release notes for all Junos OS releases at https://www.juniper.net/documentation/product/us/en/junos-os#cat=release_notes.

Table of Contents

[What's New | 1](#)

[What's Changed | 1](#)

[Known Limitations | 1](#)

[Open Issues | 2](#)

[Resolved Issues | 3](#)

[Finding More Information | 3](#)

[Requesting Technical Support | 4](#)

[Revision History | 5](#)

What's New

There are no new features or enhancements to existing features in this release for vJunosEvolved.

What's Changed

Starting in vJunosEvolved Release 23.2R1 onwards, you don't have to define the internal bridges (PFE and RPIO bridges). External representation of PFE and RPIO bridges is eliminated and it is taken care internally.

Known Limitations

Learn about known limitations in this release for vJunosEvolved.

For the most complete and latest information about known Junos OS defects, use the Juniper Networks online [Junos Problem Report Search](#) application.

The vJunosEvolved has the following limitations:

- The vJunosEvolved has a fixed-form Junos OS Evolved architecture.
- You cannot upgrade vJunosEvolved on a running system. Instead, you can deploy a new instance with the new software.

The vJunosEvolved does not support in-service software upgrade (ISSU).

You cannot attach or detach interfaces while vJunosEvolved is running. .

- To channelize WAN interfaces, run a boot argument with **channelized=yes** that is specified in the VM config and the interfaces speed config at vJunosEvolved CLI.

Example: `set interfaces et-0/0/0 speed 25g number-of-sub-ports 8`

- For non-channelization, **channelized=no** is the default config.
- vJunosEvolved does not support single-root I/O virtualization (SR-IOV)
- COSIM reliably works up to 2000 pps across 128B-1500B packet length. You do not need a bandwidth license.

- For vJunosEvolved to function correctly as a Virtual Extensible LAN (VXLAN) Tunnel End Point (VTEP), you must configure tunnel termination using the `set forwarding-options tunnel-termination` command. Otherwise the traffic in the tunnel drops on the egress VTEP.

The following features are not supported on vJunosEvolved:

- Port mirroring
- Storm control
- Multichassis link aggregation (MC-LAG)
- VXLAN seamless stitching for Data Center Interconnect (DCI)
- Virtual Router Redundancy Protocol (VRRP)
- Multicast
- Q-in-Q tunneling through an Ethernet VPN–Virtual Extensible LAN (EVPN-VXLAN) fabric
- Layer-2 egress filtering on EVPN-VXLAN-enabled integrated routing and bridging (IRB) interfaces
- IPv6 underlay and overlay
- MAC filtering in EVPN-VXLAN fabric using a MAC list
- EVPN-VXLAN fabric enhanced loop detection using connectivity fault management (CFM)

Open Issues

IN THIS SECTION

- [Platform and Infrastructure | 3](#)

Learn about open issues in this release for vJunosEvolved.

For the most complete and latest information about known Junos OS defects, use the Juniper Networks online [Junos Problem Report Search](#) application.

Platform and Infrastructure

- vJunosEvolved is a lab only virtual platform that works without any license. Bandwidth or feature licenses are not required and are not provided. You might get the license check warnings which you can ignore. PR1733212.
- vJunosEvolved does not install a default route to the gateway when it receives an IP through DHCP in KVM environment. PR1726785

As a workaround, you must manually configure the default route using the `set routing-options static route 0.0.0.0/0 next-hop <gateway>` command.

Resolved Issues

- Management interface re0:mgmt-0 does not get an IP address from DHCP intermittently. PR1740836

Finding More Information

- **Feature Explorer**—Juniper Networks Feature Explorer helps you to explore software feature information to find the right software release and product for your network.
- **PR Search Tool**—Keep track of the latest and additional information about Junos OS open defects and issues resolved.

<https://apps.juniper.net/feature-explorer/>

<https://prsearch.juniper.net/InfoCenter/index?page=prsearch>

Requesting Technical Support

IN THIS SECTION

- [Self-Help Online Tools and Resources](#) | 4

There is no technical support available for vJunosEvolved through the Juniper Networks Technical Assistance Center (JTAC).

If you are a customer with an active Juniper Care or Partner Support Services support contract, or are covered under warranty, and need post-sales technical support, then access our vJunos-switch community page assistance or queries.

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:

- Join and participate in the Juniper Networks Community Forum: <https://www.juniper.net/company/communities/>
- 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/>

Revision History

4 September 2023—Revision 2, vJunosEvolved Release 23.2R1.

Juniper Networks, the Juniper Networks logo, Juniper, and Junos are registered trademarks of Juniper Networks, Inc. in the United States and other countries. All other trademarks, service marks, registered marks, or registered service marks are the 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. Copyright © 2024 Juniper Networks, Inc. All rights reserved.