

Release Notes: Junos[®] Space Cross Provisioning Platform Release 21.1R1

Release 21.1R1
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Contents	Introduction 3
	Release Notes for Junos Space Cross Provisioning Platform 3
	Supported Platforms 4
	Supported Third-Party Platforms and Devices 4
	Installation and Upgrade Instructions 5
	Installing Cross Provisioning Platform Release 21.1R1 5
	Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, Release 17.1R1 through Release 17.1R4 to Release Notes 21.1R1 6
	Uninstalling Cross Provisioning Platform Release 21.1R1 8
	Operational Notes 8
	New and Changed Features 8
	Hardware Features 8
	Software Features 8
	Changes in Default Behavior 9
	Known Behavior 9
	Known Issues 9
	Resolved Issues 9
	Documentation Updates 10
	Finding More Information 10
	Documentation Feedback 10
	Requesting Technical Support 11
	Self-Help Online Tools and Resources 11
	Creating a Service Request with JTAC 12

Introduction

Cross Provisioning Platform (CPP) provides a real-time operations support systems (OSS) for creating and deploying services across multivendor devices. With CPP, you can:

- Provision services between Juniper Networks devices and Nokia devices.
- Provision services across Juniper Networks devices and NEC iPASOLINK devices.
- Provision services across Juniper Networks devices and Canoga Perkins network interface devices (NIDs).

Junos Space CPP uses the Simple Object Access Protocol (SOAP) APIs to communicate with Nokia 5620 Service Aware Manager (SAM) and Representational State Transfer (REST) APIs to communicate with CanogaView OSS.

Creating services for CPP requires the coordination of tasks performed in several areas of expertise including script design, system administration, and service provisioning. When you create a CPP service definition, you can attach scripts designed for the service.

Release Notes for Junos Space Cross Provisioning Platform

IN THIS SECTION

- [Supported Platforms | 4](#)
- [Supported Third-Party Platforms and Devices | 4](#)
- [Installation and Upgrade Instructions | 5](#)
- [Operational Notes | 8](#)
- [New and Changed Features | 8](#)
- [Changes in Default Behavior | 9](#)
- [Known Behavior | 9](#)
- [Known Issues | 9](#)
- [Resolved Issues | 9](#)
- [Documentation Updates | 10](#)

Cross Provisioning Platform (CPP) provides a real-time operations support systems (OSS) for creating and deploying services across multivendor devices.

Supported Platforms

The following table lists the supported platforms and the corresponding qualified Junos OS release:

Supported Platforms	Qualified Junos OS Release
ACX Series Universal Metro Routers: <ul style="list-style-type: none"> • ACX1000 router • ACX1100 router • ACX2000 router • ACX2100 router • ACX4000 router 	Release 12.3R1 through Release 18.3R1 for ACX1000, ACX1100, ACX2000, ACX2100, and ACX4000 routers
MX Series 5G Universal Routing Platforms	Release 12.2R1 through Release 18.3R2 for MX80, MX104, MX240, MX480, and MX960 routers
M Series Multiservice Edge Routers	Release 10.0 through Release 12.2R1.8 for the M320 router Release 10.0 through Release 14.2R4.12 for M7i and M10i routers

Supported Third-Party Platforms and Devices

Junos Space CPP supports the following third-party devices and platforms:

- Canoga Perkins NIDs—Model 9145E, Model 9145EMP, and Model 9145ELB
- CanogaView Core, Version 3.10.00
- Nokia 5620 Service Aware Manager, Version 14.1
- NEC iPASOLINK devices

Installation and Upgrade Instructions

IN THIS SECTION

- [Installing Cross Provisioning Platform Release 21.1R1 | 5](#)
- [Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, Release 17.1R1 through Release 17.1R4 to Release Notes 21.1R1 | 6](#)
- [Uninstalling Cross Provisioning Platform Release 21.1R1 | 8](#)

This section contains the procedure to install and upgrade Junos Space CPP.

NOTE: The terms Junos Space Network Management Platform and Junos Space Platform are used interchangeably in this document.

Installing Cross Provisioning Platform Release 21.1R1

Prerequisites for Installing Cross Provisioning Platform Release 21.1R1

- You must install Junos Space Platform Release 21.1R1 before you install CPP Release 21.1R1.

NOTE:

- If you have installed the CPP application, you cannot install the Connectivity Services Director (CSD) application. Similarly, if you have installed the CSD application, you cannot install the CPP application.

To install CPP Release 21.1R1:

1. Install Junos Space Platform Release 21.1R1.
2. Reboot the JBoss server.
3. Install CPP Release 21.1R1.

4. Reboot the JBoss server.
5. Install NetworkAppsAPI Release 21.1R1.

Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, Release 17.1R1 through Release 17.1R4 to Release Notes 21.1R1

To upgrade CPP from Release 16.1R1, Release 16.1R2, Release 17.1R1 through Release 17.1R4:

- If you are using CPP Release 16.1R1, start from [1](#).
 - If you are using CPP Release 16.1R2, go to [3](#).
 - If you are using CPP Release 17.1R1, go to [6](#).
 - If you are using CPP Release 17.1R2, go to [8](#).
 - If you are using CPP Release 17.1R3, go to [10](#).
 - If you are using CPP Release 17.1R4, go to [12](#).
1. Upgrade CPP from Release 16.1R1 to Release 16.1R2.
 2. Upgrade NetworkAppsAPI from Release 16.1R1 to Release 16.1R2.
 3. Upgrade Junos Space Network Management Platform from Release 16.1R1 to Release 17.1R1.
 4. Upgrade CPP from Release 16.1R2 to Release 17.1R1.
 5. Upgrade NetworkAppsAPI from Release 16.1R2 to Release 17.1R1.
 6. Upgrade CPP from Release 17.1R1 to Release 17.1R2.
 7. Upgrade NetworkAppsAPI from Release 17.1R1 to Release 17.1R2.
 8. Upgrade CPP from Release 17.1R2 to Release 17.1R3.
 9. Upgrade NetworkAppsAPI from Release 17.1R2 to Release 17.1R3.
 10. Upgrade CPP from Release 17.1R3 to Release 17.1R4.
 11. Upgrade NetworkAppsAPI from Release 17.1R3 to Release 17.1R4.
 12. Upgrade Junos Space Network Management Platform from Release 17.1R1 to Release 18.1R1.

13. Upgrade Junos Space Network Management Platform from Release 18.1R1 to Release 18.3R1.
14. Upgrade Junos Space Network Management Platform from Release 18.3R1 to Release 19.1R1.
15. Upgrade Junos Space Network Management Platform from Release 19.1R1 to Release 19.3R1.
16. Upgrade CPP from Release 17.1R4 to Release 19.3R1.
17. Upgrade NetworkAppsAPI from Release 17.1R4 to Release 19.3R1.
18. Upgrade Junos Space Network Management Platform from Release 19.3R1 to Release 19.4R1.
19. Upgrade CPP from Release 19.3R1 to Release 19.4R1.
20. Upgrade NetworkAppsAPI from Release 19.3R1 to Release 19.4R1.
21. Upgrade Junos Space Network Management Platform from Release 19.4R1 to Release 20.1R1.
22. Upgrade CPP from Release 19.4R1 to Release 20.1R1.
23. Upgrade NetworkAppsAPI from Release 19.4R1 to Release 20.1R1.
24. Upgrade Junos Space Network Management Platform from Release 20.1R1 to Release 20.3R1.
25. Upgrade CPP from Release 20.1R1 to Release 20.3R1.
26. Upgrade NetworkAppsAPI from Release 20.1R1 to Release 20.3R1.

27.

NOTE: For detailed information on upgrade procedures for Junos Space Network Management Platform, follow [Upgrading to Junos Space Network Management Platform Release 21.1R1](#).

Upgrade Junos Space Network Management Platform from Release 20.3R1 to Release 21.1R1.

28. Upgrade CPP from Release 20.3R1 to Release 21.1R1.
29. Upgrade NetworkAppsAPI from Release 20.3R1 to Release 21.1R1.

Uninstalling Cross Provisioning Platform Release 21.1R1

To uninstall CPP:

1. Uninstall NetworkAppsAPI Release21.1R1.
2. Uninstall CPP Release 21.1R1.

Operational Notes

- The minimum supported screen resolution is 1280 x 1024. If your screen resolution is less than the supported resolution, the CPP UI might not be displayed properly.
- The supported Web browsers are Google Chrome version 17 and later, Mozilla Firefox version 14.0 and later, and Microsoft Internet Explorer versions 9.0, 10.0, and 11.0.

New and Changed Features

IN THIS SECTION

- [Hardware Features | 8](#)
- [Software Features | 8](#)

This section describes the new features and enhancements to existing features in Junos Space CPP Release 21.1R1.

Hardware Features

There are no new hardware features in CPP Release 21.1R1.

Software Features

There are no new software features in CPP Release 20.321.1R1.

Changes in Default Behavior

There are no changes to the default behavior in CPP Release 21.1R1.

Known Behavior

There are no known behaviors in Junos Space CPP Release 21.1R1.

Known Issues

This section lists the known issues in Junos Space CPP Release 21.1R1.

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

- For a VLAN_PATH service, in a single request if you try to delete an endpoint and add the same endpoint with the same entry number but a different VLAN ID, the QoS information is not updated in the device. [PR1255707]

Workaround: None.

- For a VLAN_PATH service, even though you can perform configuration audit successfully, the View Service Configuration page does not show the QoS information when you try to associate the same VLAN ID and entry number to a different port in a single request. [PR1255715]

Workaround: None.

- While you are modifying parameters in Application Settings of Junos Space Platform, if you abruptly terminate a browser session, Junos Space Platform saves this draft configuration in the database. Junos Space Platform does not remove the draft configuration even if you restart the server. [PR1281485]

Workaround: Log out from the browser session. Clear the cache and log in.

Resolved Issues

There are no issues resolved in Junos Space CPP Release 21.1R1.

Documentation Updates

There are no documentation updates for Junos Space CPP Release 21.1R1 documentation.

Finding More Information

For the latest, most complete information about known and resolved issues with Junos Space Network Management Platform and Junos Space Management Applications, use the Juniper Networks [Problem Report Search](#) application.

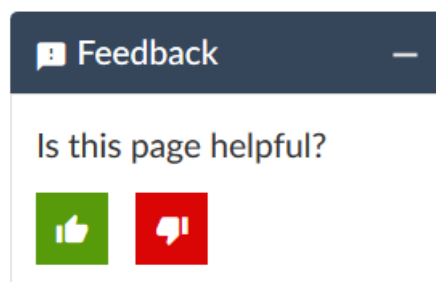
Juniper Networks Feature Explorer is a Web-based application that helps you to explore and compare Junos Space Network Management Platform and Junos Space Management Applications feature information to find the correct software release and hardware platform for your network. Find Feature Explorer at: <http://pathfinder.juniper.net/feature-explorer/>.

Juniper Networks Content Explorer is a Web-based application that helps you explore Juniper Networks technical documentation by product, task, and software release, and download documentation in PDF format. Find Content Explorer at: <http://www.juniper.net/techpubs/content-applications/content-explorer/>.

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

April, 2021—Revision 1—Junos Space Cross Provisioning Platform Release 21.1R1.

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