

# Release Notes: Junos<sup>®</sup> Space Cross Provisioning Platform Release 17.1R4

**Release 17.1R4**  
**15 March 2019**

## **Contents**

Introduction .....	2
Release Notes for Junos Space Cross Provisioning Platform .....	2
Supported Platforms .....	3
Supported Third-Party Platforms and Devices .....	3
Installation and Upgrade Instructions .....	3
Installing Cross Provisioning Platform Release 17.1R4 .....	3
Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, or Release 17.1R1 through Release 17.1R4 .....	5
Uninstalling Cross Provisioning Platform Release 17.1R4 .....	5
Operational Notes .....	6
New and Changed Features .....	6
Hardware Features .....	6
Software Features .....	6
Changes in Default Behavior .....	7
Known Behavior .....	7
Known Issues .....	7
Resolved Issues .....	8
Documentation Updates .....	8
Finding More Information .....	8
Documentation Feedback .....	9
Requesting Technical Support .....	9
Self-Help Online Tools and Resources .....	9
Creating a Service Request with JTAC .....	10
Revision History .....	10

## Introduction

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Cross Provisioning Platform (CPP) is an extension of the Network Activate application. It provides 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

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Junos Space Cross Provisioning Platform (CPP) is an extension of the Network Activate application. It provides a real-time operations support system (OSS) for creating and deploying services across multivendor devices.

- [Supported Platforms on page 3](#)
- [Supported Third-Party Platforms and Devices on page 3](#)
- [Installation and Upgrade Instructions on page 3](#)
- [Operational Notes on page 6](#)
- [New and Changed Features on page 6](#)
- [Changes in Default Behavior on page 7](#)
- [Known Behavior on page 7](#)
- [Known Issues on page 7](#)
- [Resolved Issues on page 8](#)
- [Documentation Updates on page 8](#)

## 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"> <li>• ACX1000 router</li> <li>• ACX1100 router</li> <li>• ACX2000 router</li> <li>• ACX2100 router</li> <li>• ACX4000 router</li> </ul>	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

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 17.1R4 on page 3](#)
- [Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, or Release 17.1R1 through Release 17.1R4 on page 5](#)
- [Uninstalling Cross Provisioning Platform Release 17.1R4 on page 5](#)

### Installing Cross Provisioning Platform Release 17.1R4

#### Prerequisites for Installing Cross Provisioning Platform Release 17.1R4

- You must install Junos Space Platform Release 17.1R1 before you install CPP Release 17.1R4.
- You must uninstall the Network Activate application before you install the CPP application.



NOTE:

- If you have installed the Network Activate application, you cannot install the CPP application. Similarly, if you have installed the CPP application, you cannot install the Network Activate application.
- 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.

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To install CPP Release 17.1R4:

1. Install Junos Space Platform Release 17.1R1.
2. Reboot the JBoss server.
3. Install CPP Release 17.1R4.
4. Reboot the JBoss server.

### Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, or Release 17.1R1 through Release 17.1R4

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

1. If you are using Junos Space Platform Release 16.1R1 or 16.1R2, upgrade Junos Space Platform to Release 17.1R1.

2. Reboot the JBoss server.

3. If you are using CPP Release 16.1R1, upgrade to Release 16.1R2.

Alternately,

- If you are using CPP Release 16.1R2, go to Step [5](#).
- If you are using CPP Release 17.1R1, go to Step [7](#).
- If you are using CPP Release 17.1R2, go to Step [11](#).

4. Upgrade NetworkAppsAPI from Release 16.1R1 to Release 16.1R2.

5. Upgrade CPP from Release 16.1R2 to Release 17.1R1.

6. Upgrade NetworkAppsAPI from Release 16.1R2 to Release 17.1R1.

7. Upgrade CPP from Release 17.1R1 to Release 17.1R2.

8. Upgrade NetworkAppsAPI from Release 17.1R1 to Release 17.1R2.

9. Upgrade CPP from Release 17.1R2 to Release 17.1R3.

10. Upgrade NetworkAppsAPI from Release 17.1R2 to Release 17.1R3.

11. Upgrade CPP from Release 17.1R3 to Release 17.1R4.

12. Upgrade NetworkAppsAPI from Release 17.1R3 to Release 17.1R4.

### Uninstalling Cross Provisioning Platform Release 17.1R4

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To uninstall CPP:

1. Uninstall NetworkAppsAPI Release 17.1R4.
2. Uninstall CPP Release 17.1R4.

## 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

This section describes the new features and enhancements to existing features in Junos Space CPP Release 17.1R4.

- [Hardware Features on page 6](#)
- [Software Features on page 6](#)

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### Hardware Features

There are no new hardware features in CPP Release 17.1R4.

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### Software Features

CPP Release 17.1R4 provides the following new features:

- Supports the IS-IS segment routing protocol for both Juniper devices and third-party devices, apart from the OSPF segment routing protocol.

#### For Juniper Devices

- New fields are provided in the **Prestage Devices > Manage Device Roles > Device Details** page—**OSPF Enabled**, **OSPF SR Enabled**, **OSPF Loopback**, **ISIS Enabled**, **ISIS SR Enabled**, and **ISIS Loopback**. The **OSPF Enabled** and **ISIS Enabled** fields indicate if OSPF or IS-IS is enabled on a device. The **OSPF SR Enabled** and **ISIS SR Enabled** fields indicate if segment routing (SR) is enabled on OSPF or IS-IS.

For more information, see [Viewing N-PE Devices](#).

- A new option **Re-sync Routing State** is provided in the **Network Activate > Prestage Devices > Manage Device Roles** page. You can use this option to re-synchronize the routing state of a device.

For more information, see [Prestaging Devices Process Overview](#) and [Prerequisites for Prestaging Devices in Network Activate](#).

- **For Third-Party Devices (Alcatel Devices only)**

- New fields are provided in the **CPP > Third-Party Devices > Device Details** page—**OSPF Enabled**, **OSPF SR Enabled**, **OSPF Loopback**, **ISIS Enabled**, **ISIS SR Enabled**, and **ISIS Loopback**. These fields indicate whether a given device is OSPF or ISIS capable.

Use the **Synchronize all the devices with OSS** option on the **CPP > Third-Party Devices > Device Details** page to synchronize existing devices with OSS.

For more information, see [Viewing Third-Party Device Details for Cross Provisioning Platform](#).

- The **CPP > Services** page includes a new field **Tunnel Type** that helps you identify the type of tunnel that a device is using. The tunnel can be of type **SR** or **LDP**.

For more information, see [Viewing Cross Provisioning Platform Service Order Details](#).

- CPP Release 17.1R4 provides the following new helper functions:

- `checkISISSRState:function (deviceId, vendor)`
- `checkExistingService:function (siteAId, siteAIntf, siteAVendor, siteBId, siteBIntf, siteBVendor)`
- `getSessionGroup:function (deviceId, vendor, netw)`
- `createSRSDPBinding (fromSiteIP, toSiteIP, pathMtu)`
- `createLDPSession (distinguishedName, objectFullName, loopbackB)`
- `getISISCoreLoopInterface (siteId, input)`
- `getLoopback (vendor, deviceId, svcType)`

For more information, see [Example: Creating Cross Provisioning Platform Services](#).

## Changes in Default Behavior

There are no changes to the default behavior in CPP Release 17.1R4.

## Known Behavior

There are no known behaviors in Junos Space CPP Release 17.1R4.

## Known Issues

This section lists the known issues in Junos Space CPP Release 17.1R4.

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.

- The dashboard chart does not include a scroll bar. The chart might appear distorted if there is more data. [PR1285973]

Workaround: None.

## Resolved Issues

This section lists the resolved issues in Junos Space CPP Release 17.1R4.

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

- Service order naming is updated to have a separate service name and service order name when you create a service. [PR1385133]
- Canoga devices are removed from the list of devices that should typically display only Juniper devices. [PR1396905]

## Documentation Updates

There are no documentation updates for Junos Space CPP Release 17.1R4 documentation.

## Finding More Information

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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/>.



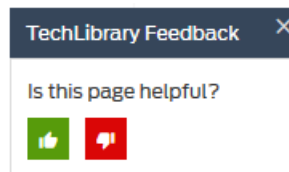
Juniper Networks Content Explorer is a Web-based application that helps you explore Juniper Networks technical documentation by product, task, and software release, and download documentation in PDF format. Find Content Explorer at:

<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](mailto: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

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15 March, 2019—Revision 1—Junos Space Cross Provisioning Platform Release 17.1R4.

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