

Release Notes

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Junos Space Cross Provisioning Platform Release Note 21.2R1

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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.

Supported Platform

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: • 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

(Continued)

Supported Platforms	Qualified Junos OS Release
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

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- [Installing Cross Provisioning Platform Release 21.2R1 | 3](#)
- [Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, Release 17.1R1 through Release 17.1R4 to Release Notes 21.2R1 | 3](#)
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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 21.2R1

Prerequisites for Installing Cross Provisioning Platform Release 21.2R1

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 21.2R1:

1. Install Junos Space Platform Release 21.2R1.
2. Reboot the JBoss server.
3. Install CPP Release 21.2R1.
4. Reboot the JBoss server.
5. Install NetworkAppsAPI Release 21.2R1.

Upgrading Cross Provisioning Platform from Release 16.1R1, Release 16.1R2, Release 17.1R1 through Release 17.1R4 to Release Notes 21.2R1

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 ["1" on page 4](#)

- If you are using CPP Release 16.1R2, go to ["3" on page 4](#)
 - If you are using CPP Release 17.1R1, go to ["6" on page 4](#)
 - If you are using CPP Release 17.1R2, go to ["8" on page 4](#)
 - If you are using CPP Release 17.1R3, go to ["10" on page 4](#)
 - If you are using CPP Release 17.1R4, go to ["12" on page 4](#)
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. 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.
 30. Upgrade Junos Space Network Management Platform from Release 21.1R1 to Release 21.2R1.
 31. Upgrade CPP from Release 21.1R1 to Release 21.2R1.
 32. Upgrade NetworkAppsAPI from Release 21.1R1 to Release 21.2R1.

Uninstalling Cross Provisioning Platform Release 21.2R1

To uninstall CPP:

1. Uninstall NetworkAppsAPI Release 21.2R1.
2. Uninstall CPP Release 21.2R1.

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.

Known Issues

This section lists the known issues in Junos Space CPP Release 21.2R1.

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

Revision History

July, 2021—Revision 1—Junos Space Cross Provisioning Platform Release 21.2R1.

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