



Release Notes for Cisco NCS 5000 Series Routers, IOS XR Release 6.6.2

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Release Packages

This table lists the Cisco IOS XR Software feature set matrix (packages) with associated filenames.

Software Features Introduced in this Release

Hardware Features Introduced in this Release

A new chassis, Cisco NCS 5064 is introduced in this release.

The Cisco NCS 5064 chassis, which is also an extension to Cisco's routing platform portfolio enabling Service Providers and MPLS enabled data center architectures to offer elastic networks with improved business agility and simplified operations to deliver high-bandwidth mobile, video, and cloud services.

The Cisco NCS 5064 chassis is a small form factor dense 100GE aggregation systems in 2RU form factor. Powered by industry leading routing operation system, IOS-XR, the system also offers rich functions such as third party application hosting, machine-to-machine interface, telemetry and flexible package delivery.

The Cisco NCS 5064 chassis has the following features:

- Two hot-swappable power supply (PSUs) that support 1+1 redundancy under most conditions. Only when the 930W DC supplies (NC5K-PDC-930W-FR and NC5K-PDC-930W-BK) are used, both the PSUs must be inserted and operational in a non-redundant 2+0 mode.
- Different power supply units (PSUs) are available for different air flow configurations.
- Three hot-swappable fan modules that provide port side intake or port side exhaust cooling in 2+1 redundancy mode.
- A management, console, and the USB interface on fan side of the chassis.

Caveats

Caveats describe unexpected behavior in . Severity-1 caveats are the most critical caveats; severity-2 caveats are less critical.

Cisco IOS XR Caveats

Caveats Specific to the

Upgrading Cisco IOS XR Software

Cisco IOS XR Software is installed and activated from modular packages, allowing specific features or software patches to be installed, upgraded, or downgraded without affecting unrelated processes. Software packages can be upgraded or downgraded on all supported card types, or on a single card (node).

Before starting the software upgrade, use the **show install health** command in the admin mode. This command validates if the statuses of all relevant parameters of the system are ready for the software upgrade without interrupting the system.

The upgrade document is available along with the software images.

Cisco Software Manager (CSM) application provides an intuitive user interface to manage Cisco IOS XR installations, with pre-installation and post-installation checks and reports. CSM helps manage the process of software maintenance upgrades (SMUs) and service packs (SPs) on devices that run the Cisco IOS XR Software.

For information on how to use CSM, see [Cisco Software Manager User Guide](#).

Related Documentation

Production Software Maintenance Updates (SMUs)

A production SMU is a SMU that is formally requested, developed, tested, and released. Production SMUs are intended for use in a live network environment and are formally supported by the Cisco TAC and the relevant development teams. Software bugs identified through software recommendations or Bug Search Tools are not a basis for production SMU requests.

For information on production SMU types, refer the [Production SMU Types](#) section of the [IOS XR Software Maintenance Updates \(SMUs\)](#) guide.

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Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.

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