



New and Changed Feature Information

This table summarizes the new and changed feature information for the *Interface and Hardware Component Configuration Guide for Cisco NCS 5500 Series Routers*, and tells you where they are documented.

- [Interface and Hardware Component Features Added or Modified in IOS XR Release 7.3.x](#), on page 1
- [Interface and Hardware Component Features Added or Modified in IOS XR Release 7.4.x](#), on page 2

Interface and Hardware Component Features Added or Modified in IOS XR Release 7.3.x

Table 1: New and Changed Features

Feature	Description	Introduced in Release	Where Documented
QDD-400G-ZR-S and QDD-400G-ZRP-S	The QDD-400G-ZR-S and QDD-400G-ZRP-S pluggable Digital Coherent Optic (DCO) transceivers combined with routers optimized for 400G port bandwidth, offer customers significantly higher router scales and capacities at lower cost.	Release 7.3.2	Configuring 400G Digital Coherent Optics
FPD Upgrades Enabled for QDD-400G-ZR-S and QDD-400G-ZRP-S Optical Modules	This feature allows you to perform Field Programmable Device (FPD) upgrades on the QDD-400G-ZR-S and QDD-400G-ZRP-S optical modules to ensure they have the latest fixes and features.	Release 7.3.2	FPD Upgrades Enabled for QDD-400G-ZR-S and QDD-400G-ZRP-S Optical Modules

Feature	Description	Introduced in Release	Where Documented
Cisco NC57 Native Mode	This feature is now supported on routers that have the Cisco NC57 line cards installed and operate in the native mode.	Release 7.3.1	This feature is available for the following interface features: <ul style="list-style-type: none"> • Ethernet CFM • Ethernet Link OAM • Y.1731 Performance Monitoring
Bundle Consistency Checker	Bundle Consistency Checker (BCC) is an on-the-router mechanism to check and verify the correct programming for the bundle interface. The system performs the check on ingress and egress traffic.	Release 7.3.1	Bundle Consistency Checker
PCAPng file format	This feature introduces new format for recording packet traces. The network packets are mirrored to a file instead of an interface, so that they can be analyzed later.	Release 7.3.1	SPAN-to-File Enhancements

Interface and Hardware Component Features Added or Modified in IOS XR Release 7.4.x

Table 2: New and Changed Features

Feature	Description	Introduced in Release	Where Documented
Port Mirroring Enhancements for Cisco NC57 line cards	With port mirroring, you can mirror incoming and outgoing traffic from source ports to separate destinations. Separate destinations for traffic enables you to analyze the incoming/outgoing traffic separately or together.	Release 7.4.2	Introduction to Traffic Mirroring