New and Changed Feature Information

This table summarizes the new and changed feature information for the *Interfaces Configuration Guide for Cisco 8000 Series Routers* for Cisco 8000 Series Routers, and tells you where they are documented.

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Table 1: New and Changed Features

Feature	Description	Introduced in Release	Where Documented
New Parameters for Performance Monitoring	This feature introduces two new parameters for performance monitoring. These parameters allow you to check the quality of electrical signals between an ASIC or NPU and the 400G Digital Coherent QSFP-DD optical modules periodically. This helps to detect errors occurring during data transmission and link initialization.	Release 7.3.6	Configuring Performance Monitoring

Feature	Description	Introduced in Release	Where Documented
Support for LLDP Snooping	This feature allows you to further leverage the Link Layer Discovery Protocol (LLDP) information for the directly attached devices or equipments in a Layer 2 network via LLDP snoop. Thus, allowing you to identify the cabling and modeling failures and isolate faults.	Release 7.3.3	Configuring LLDP Snoop
Disabling time-to-live (TTL) decrement at GRE encapsulation	This feature allows you to disable the time-to-live (TTL) decrement of the incoming packets. The result is that encapsulation of the original incoming packet takes place without any change in the TTL value.	Release 7.3.2	Supported Features on a GRE Tunnel
Higher Payload Analysis with Eight ERSPAN Sessions	This feature allows you to support upto eight ERSPAN sessions in Cisco 8000 Series routers. This functionality helps you analyze higher payloads in real time across Layer 3 domains on your network.	Release 7.3.2	ERSPAN
ERSPAN over GRE IPv6	This functionality allows the routery to mirror IPv4 or IPv6 traffic with ERSPAN over GRE IPv6 sessions to monitor traffic on remote traffic analyzers.	Release 7.3.2	ERSPAN over GRE IPv6

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
Configure Generic UDP Encapsulation	UDP encapsulation is a technique of adding network headers to the packets and then encapsulating the packets within the User Datagram Protocol (UDP).	Release 7.3.1	Configuring Generic UDP Encapsulation
SPAN to File	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
GRE Tunnels	Tunneling provides a mechanism to transport packets of one protocol within another protocol. This chapter describes GRE tunneling protocol.	Release 7.3.1	Configure GRE Tunnels
Ethernet CFM	Ethernet Connectivity Fault Management (CFM) is a service-level OAM protocol that provides tools for monitoring and troubleshooting end-to-end Ethernet services per VLAN. This includes proactive connectivity monitoring, fault verification, and fault isolation.	Release 7.3.15	Ethernet CFM

Feature	Description	Introduced in Release	Where Documented
Support 1023 Ethernet Bundle Interfaces	Increases the maximum system-wide bundle interface scale from 512 to 1023 bundle interfaces.	Release 7.3.15	Limitations and Compatible Characteristics of Ethernet Link Bundles
Enhanced 64-bit Bandwidth Capacity	64-bit bandwidth enables the system to support interface bandwidths greater than 4.2T.	Release 7.3.15	Link Bundling Overview