

Feature History

The following table lists the new and modified features supported in the Cisco NCS 4200 Series Software Configuration Guide in Cisco IOS XE 17 releases, on Cisco NCS 4201 and Cisco NCS 4202 routers.

Feature	Description
Cisco IOS XE Cupertino 17.8.1	
Increase Maximum MTU Size	Maximum Transmission Unit (MTU) is increased to a maximum of 9670 bytes on the Cisco RSP2 module. You can configure the MTU bytes using the **mtu** *bytes* command.
Cisco IOS XE Bengaluru 17.5.1	
SNMP Dying Gasp Enhancement	This feature enables FPGA based effective space utilization between Ethernet OAM and SNMP. Use the **platform-oam-snmp-dg-enable** command on Cisco router to configure this feature.
Cisco IOS XE Bengaluru 17.4.1	
CCP User Secret and Enable Secret masking	To support Common Criteria Policy validation for the masked secret.
Increase Maximum MTU Size	Maximum Transmission Unit (MTU) is increased to a maximum of 9644 bytes on the Cisco RSP3 module. You can configure the MTU bytes using the **mtu bytes** command.
VLAN Translation for RSP3	VLAN translation provides flexibility in managing VLANs and Metro Ethernet-related services. You can configure 1:1 and 2:1 VLAN translations using the sdm prefer enable_vlan_translation command on the Cisco RSP3 module.
Cisco IOS XE Amsterdam 17.1.1	
Oversubscription Support for [illegible]	Egress packet classification is done based on priority-based flow-control (PFC) to ensure that there are no drop in packets.

The following table lists the new and modified features supported in the Cisco NCS 4200 Series Software Configuration Guide in Cisco IOS XE 17 releases, on Cisco NCS 4206 and Cisco NCS 4216 routers.

Feature	Description
Cisco IOS XE Cupertino 17.10.1	
Enable DHCP Snooping Option 82 for RSP3	You can enable DHCP snooping option-82 on the Cisco RSP3 module using the **sdm prefer enable_dhcp_snoop** command. This feature provides additional security information to the relay agent that the information is from the trusted port.
Cisco IOS XE Cupertino 17.9.1	
Persistent Bandwidth for 8-port 10 Gigabit Ethernet Interface module (A900-IMA8Z)	This feature persistently retains the configured bandwidth value of the interface for 8-port 10 Gigabit Ethernet Interface module (A900-IMA8Z) across triggers such as interface shut or no-shut, IM reload, Stateful Switchover (SSO), and so on. This feature is only supported on Cisco RSP3 module. This feature is only supported on NCS 4206 and NCS 4216 routers.
Cisco IOS XE Cupertino 17.8.1	
Increase Maximum MTU Size	Maximum Transmission Unit (MTU) is increased to a maximum of 9670 bytes on the Cisco RSP2 module. You can configure the MTU bytes using the **mtu** *bytes* command.
Cisco IOS XE Cupertino 17.7.1	
8/16-port 1 Gigabit Ethernet (SFP/SFP) + 1-port 10 Gigabit Ethernet (SFP+) / 2-port 1 Gigabit Ethernet (CSFP) Interface Module Support in Slots 1 and 2	This feature introduces the support of the 8/16-port 1 Gigabit Ethernet (SFP/SFP) + 1-port 10 Gigabit Ethernet (SFP+) / 2-port 1 Gigabit Ethernet (CSFP) interface module on slots 1 and 2 and thus enables the port expansion in XFI pass through mode.