



## New Features

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This chapter describes the new hardware and software features supported on the Cisco NCS 4200 Series in this release.

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### **New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.9**

There are no new hardware features in this release.

### **New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.9**

There are no new software features in this release.

## **New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.8**

There are no new hardware features in this release.

## **New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.8**

There are no new software features in this release.

## **New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.7**

There are no new software features in this release.

## **New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.7**

There are no new hardware features in this release.

## **New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.6**

There are no new software features in this release.

## **New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.6**

There are no new hardware features in this release.

## **New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.5a**

There are no new software features in Cisco IOS XE Everest 16.6.5a.

## **New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.5a**

There are no new hardware features in Cisco IOS XE Everest 16.6.5a.

## **New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.4**

There are no new software features in Cisco IOS XE Everest 16.6.4.

## **New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.4**

There are no new hardware features in Cisco IOS XE Everest 16.6.4.

## **New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.3**

There are no new software features in Cisco IOS XE Everest 16.6.3.

## **New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.3**

There are no new hardware features in Cisco IOS XE Everest 16.6.3.

## New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.2

- You can now configure a new type of trunk EFP, the trunk EFP with encapsulation from the bridge domain (BD). All BDs configured on the router are part of the VLAN list of the encapsulated trunk EFP. The trunk EFP is encapsulated using the encapsulation dot1q from-bd command.

For more information, see the [Carrier Ethernet Configuration Guide, Cisco IOS XE Everest 16.6.1](#).

## New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.2

There are no new hardware features in Cisco IOS XE Everest 16.6.2.

## New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.1

### • 1 PPS Pulse Width Configuration

On the Cisco NCS 4202 chassis, the 1 PPS pulse bandwidth can be changed from the default value of 500 milliseconds to up to 20 microseconds. For more information, see [Configuring Clocking and Timing](#).

### • Alarm support for 900W

Effective Cisco IOS XE Everest 16.6.1, on Cisco RSP3 module, alarm notification is enabled on 900 watts DC power supply. For more information, see [Cisco NCS 4200 Series Software Configuration Guide, Cisco IOS XE Everest 16.6.1](#).

### • IP SLA Statistics UDP Jitter

Effective Cisco IOS XE Everest 16.6.1, time stamping for sender (T1, T4) and receiver (T3, T2) is performed by hardware, instead of software to improve the accuracy of jitter and latency measurements. For more information, see [IP SLAs Configuration Guide Cisco IOS XE Everest 16.6.1](#). For more information, see [IP SLAs Configuration Guide, Cisco IOS XE Everest 16.6.1 \(Cisco NCS 4200 Series\)](#).

### • PVST+/RPVST+

Cisco ASR routers can use the per-VLAN spanning-tree plus (PVST+) protocol based on the IEEE 802.1D standard and Cisco proprietary extensions, or the rapid per-VLAN spanning-tree plus (rapid-PVST+) protocol based on the IEEE 802.1w standard. For more information, see [LAN Switching Configuration Guide, Cisco IOS XE Everest 16.6.1 \(Cisco NCS 4200 Series\)](#).

### • Segment Routing – Traffic Engineering

Segment Routing – Traffic Engineering (SR-TE) provides a simple, automated, and scalable architecture to engineer traffic flows in a network. For more information see, [Segment Routing for Cisco IOS XE Everest 16.6.1](#).

# New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.1

There are no new hardware features in Cisco IOS XE Everest 16.6.1.

