# What's New for Cisco IOS XE Dublin 17.12.x


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## What's New in Hardware for Cisco IOS XE Dublin 17.12.4

There are no new hardware features introduced for this release.

## What's New in Software for Cisco IOS XE Dublin 17.12.4

There are no new software features introduced for this release.

## What's New in Hardware for Cisco IOS XE Dublin 17.12.3

There are no new hardware features introduced for this release.

## What's New in Software for Cisco IOS XE Dublin 17.12.3

There are no new software features introduced for this release.

## What's New in Hardware for Cisco IOS XE Dublin 17.12.2a

There are no new hardware features introduced for this release.

# What's New in Software for Cisco IOS XE Dublin 17.12.2a

There are no new software features introduced for this release.

# What's New in Hardware for Cisco IOS XE Dublin 17.12.x

| Optics | Description |
|---|---|
| Optics | This release launches the following new optics on selective hardware within the product portfolio.<br>For details refer to the Transceiver Module Group (TMG) Compatibility Matrix.<br>Cisco Data SFP modules:<br>• ONS-SI+-10G-ZR<br>• ONS-SI+-10G-SR |

# What's New in Software for Cisco IOS XE Dublin 17.12.x

| Feature | Description |
|---|---|
| **Carrier Ethernet** | |
| Service Instance as Track Client | Track can be configured to check for reachability to IBR(Upstream router). If IBR is not reachable, the service instance is kept in admin down state. This avoids traffic drop until the route is installed which optimizes the convergence. Currently, IOS XE platforms do not have options to shutdown EFP based on track reachability. |
| **CEM Generic** | |
| BGP PIC with CEM | BGP PIC extends support to TDM CEM pseudowire to facilitate faster, sub-second BGP convergence and to improve fast failover. |
| CEM Description Command | You can add description for a cem group up to 200 characters using the **description** command. |
| DCC CLNP Interworking | This feature enables you to exchange Network Management System (NMS) management traffic between OSI Data Communication Channel (DCC) and Ethernet ports over Connectionless Network Protocol (CLNP) interworking. With this, you can maintain in-band communication between old Add/Drop Multiplexer (ADM) equipments to be managed from NMS. |
| **Layer 2** | |

| Feature | Description |
| --- | --- |
| MACsec support with PTP for 1GE NCS4200-1T16G-PS Interface Module | You can now configure MACsec support with Precision Time Protocol (PTP) packets for mitigating security vulnerabilities on a router. |