



New Features

- [New Features for Cisco IOS XE 26.1.1, on page 1](#)
- [New Features for Cisco IOS XE 17.18.2, on page 1](#)
- [New Features for Cisco IOS XE 17.18.1a, on page 2](#)
- [New Features for Cisco IOS XE 17.17.1, on page 2](#)
- [New Features for Cisco IOS XE 17.16.1a, on page 2](#)
- [New Features for Cisco IOS XE 17.15.1a, on page 2](#)
- [New Features for Cisco IOS XE 17.14.1a, on page 2](#)
- [New Features for Cisco IOS XE 17.13.1, on page 3](#)
- [New Features for Cisco IOS XE 17.12.1a, on page 3](#)
- [New Features for Cisco IOS XE 17-11-1a, on page 3](#)
- [New Features for Cisco IOS XE 17.10.1a, on page 3](#)
- [New Features for Cisco IOS XE 17.9.1, on page 4](#)
- [New Features for Cisco IOS XE 17.8.1, on page 4](#)
- [New Features for Cisco IOS XE 17.7.1, on page 5](#)

New Features for Cisco IOS XE 26.1.1

New features in this release are:

- [Change of Authorization](#)
- [GPS NMEA unique identifier](#)

New Features for Cisco IOS XE 17.18.2

New features in this release are:

- [Cellular Network Slicing](#)
- [Cisco ThousandEyes Enterprise Agent](#)
- [Common HSEC License](#)

New Features for Cisco IOS XE 17.18.1a

New feature in this release is listed below:

- [IP Device Tracking](#)
- [VRF for the P-LTE-450 module](#)
- [Inline Tagging on switch interfaces](#)

New Features for Cisco IOS XE 17.17.1

New features in this release is listed below:

- [Multi-Homing Configuration in BGP EVPN VXLAN Fabric](#)

New Features for Cisco IOS XE 17.16.1a

New features in this release are listed below:

- [Access Accelerometer and Gyro Sensor Data from IRM-GNSS](#)
- [Configure DR Module using Cisco Catalyst SD-WAN Manager](#)
- [Configuring EVPN VXLAN VLAN-Aware Service](#)
- [Monitoring Radio Signal Parameters and GPS Coordinates of Cellular Telemetry using Syslog Messages](#)
- [Enhancing P-LTE-450 Network Management Through SNMP MIB Objects](#)

New Features for Cisco IOS XE 17.15.1a

New features in this release are listed below:

- [Software Supported MACsec](#)
- [Higher CPU and RAM Allocation for IOx Applications](#)

New Features for Cisco IOS XE 17.14.1a

New features in this release are listed below:

- [Support for CAPWAP and WGB Modes on the Cisco Wi-Fi Interface Module](#)
- [Additional Modem Support for Cellular Pluggable Modules](#)
- [Support for P-LTE-450 Pluggable Interface Module](#)

New Features for Cisco IOS XE 17.13.1

This chapter contains the following sections:

- [Change in Vendor for GNSS Module](#)
- [IOX Access to IR1800 On-board Accelerometer and Gyroscope](#)
- [Unified Threat Defense \(UTD\)](#)
- [vManage Support for EWC Mode on the Cisco Wi-Fi Interface Module](#)
- [Additional Modem Support for Cellular Pluggable Modules](#)
- [SD-WAN Remote Access](#)
- [Change in CLI Output for the FN980 5G Modem](#)

New Features for Cisco IOS XE 17.12.1a

New features in this release are listed below:

- [Access Accelerometer and Gyro Sensor Data from IRM-GNSS](#)
- [5G Standalone Mode \(SA\) Support](#)
- [Uncapped License Implementation](#)

New Features for Cisco IOS XE 17-11-1a

New features in this release are listed below:

- [LoRaWAN Pluggable Interface Module Support](#)
- [GNSS Support on the GPS/Dead Reckoning Module \(IRM-GNSS-ADR\)](#)
- [Galileo Support on the LTE Pluggable Modules](#)
- [Change to Smart Licensing Packaging](#)
- [Cisco IoT Operations Dashboard \(OD\) Support to Configure and Manage the WP-WIFI6-x Module](#)

New Features for Cisco IOS XE 17.10.1a

New features in this release are listed below:

- [Digital Subscriber Line \(DSL\) SFP Support on the IR1800](#)
- [vManage Support for the WP-WIFI6-x Module](#)
- [Enable Secure Data Wipe Capabilities](#)

- [Rawsocket Keepalive Configuration CLI](#)

New Features for Cisco IOS XE 17.9.1

New features in this release are listed below:

- [Install Mode Support](#)
- [Cellular Boot Time Improvements](#)
- [IOS XE Downgrade Warning](#)
- [SNMP Polling of Temperature OID](#)
- [GPS Mode Enabled By Default](#)
- [Packet Capture Support for CANBUS](#)
- [GPS and Dead Reckoning Support for the J1939 Connector](#)

New Features for Cisco IOS XE 17.8.1

- [Raw socket feature enhancement](#)
- [SCADA enhancement for TNB](#)
- [gRPC Network Operations Interface updates](#)
- [GNMI Broker update](#)

Cellular serviceability enhancements

Cellular serviceability enhancements are debugging features that:

- enable trigger points and debug code via controller cellular CLIs for automatic generation and trapping of debug data without manual intervention,
- provide context-based debug logs including tracebacks and GPS locations, and
- create well-formatted debug messages with vendor-specific debug data at a broader range.

Available CLI options

The following CLI options are available for cellular serviceability:

```
(config-controller) #lte modem serviceability ?
gps                GPS debugging
interface-resets   Interface resets/Bearer deletion
modem-crash        Modem-crash debugging
modem-resets       IOS initiated unknown modem-resets
```

The debug data includes:

- Context Based debug logs (tracebacks, and GPS locations).

- Well formatted debug messages.
- Vendor specific debug data at a broader range.

The debug logs are located in the following location of flash:

```
router#dir flash:servelogs
Directory of bootflash:/servelogs/

259340  -rw-          122   Sep 7 2021 17:40:44 +00:00  gpslog-slot5-20210907-174044
259339  -rw-          1734   Sep 7 2021 12:14:07 +00:00  celllog-slot5-20210905-164628
```

GPS and cellular log files are created separately with file names using the timestamp at the time of the creation. These files are created as follows:

- If the existing file has reached 10Mb, a new file will be created.
- A new file will be created if the feature (GPS, or cellular) is completely disabled, and then re-enabled.

New Features for Cisco IOS XE 17.7.1

Support 1G SFPs

Release 17.7.1 will add support for these SFPs:

- GLC-T-RGD
- CWDM-SFP-1470=
- CWDM-SFP-1610=
- CWDM-SFP-1530=
- DWDM-SFP-3033=
- DWDM-SFP-3112=
- GLC-BX-D-I=
- GLC-BX-U-I=
- GLC-TE

