



New Features

This chapter describes the new hardware and software features supported on the Cisco ASR 920 Series Routers for this release.

- [New Hardware Features in Cisco IOS XE Fuji 16.7.2, on page 1](#)
- [New Software Features in Cisco IOS XE Fuji 16.7.2, on page 1](#)
- [New Hardware Features in Cisco IOS XE Fuji 16.7.1, on page 1](#)
- [New Software Features in Cisco IOS XE Fuji 16.7.1, on page 1](#)

New Hardware Features in Cisco IOS XE Fuji 16.7.2

There are no new hardware features in Cisco IOS XE Fuji 16.7.2.

New Software Features in Cisco IOS XE Fuji 16.7.2

There are no new software features in Cisco IOS XE Fuji 16.7.2.

New Hardware Features in Cisco IOS XE Fuji 16.7.1

- **4-port OC48/OC12/OC3 + 12-port T1/E1 + 4-port T3/E3 CEM Interface Module**

The A900-IMA3G-IMSG interface module supports:

- 12xDS1/E1 + 4xDS3/E3/STS-1e + 4xOC3/12/1GE or 1xOC48 interface over the high-density port

For more information on supported ports, see [Cisco ASR 920 Series Aggregation Services Router Hardware Installation Guide](#).

New Software Features in Cisco IOS XE Fuji 16.7.1

- **3G Synchronous Digital Hierarchy Support**

Synchronous Digital Hierarchy (SDH) is supported on the 3G mode on 1-port OC48/ 4-port OC12/OC3 + 12-port T1/E1 + 4-port T3/E3 CEM Interface Module.

For more information, see [Configuring SDH](#).

- **Latching Loopback**

The Cisco ASR 920 routers supports latching loopback on the ASR 920 RSP2 module.

For more information, see *Carrier Ethernet Configuration Guide Cisco IOS XE Fuji 16.7.x*.

- **Layer 2 Control Protocol**

You can forward, tunnel, or discard Multiple Registration Protocol (MRP), Multiple VLAN Registration Protocol (MMRP) or Multiple MAC Registration Protocol (MVRP) for a service instance on an ethernet interface.

For more information, see *Carrier Ethernet Configuration Guide, Cisco IOS XE Fuji 16.7.x*.

- **Port Licensing Support**

The Cisco Software License Activation feature is a set of processes and components to activate Cisco IOS XE software feature sets by obtaining and validating fee-based Cisco software licenses. You should enable the license only for OCx ports on 1-port OC48/ 4-port OC12/OC3 + 12-port T1/E1 + 4-port T3/E3 CEM Interface Module. Use the **platform enable controller Mediatype** command to enable a particular license type on the controller port.



Note License is not required for the ports 0-15 (DSx ports).

For more information, see [Configuring Support of 1 port OC48/ 4 port OC12/OC3 + 12 port T1/E1 + 4 port T3/E3 CEM Interface Module](#).

- **Programmability**

Yet Another Next Generation (YANG) data-modelling language – A Data Modelling Language for the Network Configuration Protocol (NETCONF), which replaces the process of manual configuration with a programmatic and standards-based way of writing configurations to any network device. It supports the automation of configuration for multiple switches across the network using data models.

RESTCONF - provides a programmatic interface based on standard mechanisms for accessing configuration data, state data, data-model-specific Remote Procedure Call (RPC) operations and event notifications defined in the YANG model.

YANG Data Models—For the list of Cisco IOS XE YANG models available with this release, navigate to <https://github.com/YangModels/yang/tree/master/vendor/cisco/xe/1671>. Revision statements embedded in the YANG files indicate if there has been a model revision. The README.md file in the same github location highlights changes that have been made in the release. For more information, see [Programmability Configuration Guide, Cisco IOS XE Fuji 16.7.1](#).