

What's New in Cisco IOS XE Cupertino 17.9.x

This chapter describes the new hardware and software features supported on the Cisco ASR 920 Series routers in Cisco IOS XE Cupertino 17.9.x.

For information on features supported for each release, see Feature Compatibility Matrix.

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What's New in Hardware for Cisco IOS XE Cupertino 17.9.5a

There are no new hardware features in this release.

What's New in Software for Cisco IOS XE Cupertino 17.9.5a

There are no new software features in this release.

What's New in Hardware for Cisco IOS XE Cupertino 17.9.4a

There are no new hardware features in this release.

What's New in Software for Cisco IOS XE Cupertino 17.9.4a

There are no new features in this release. This release provides a fix for CSCwh87343: Cisco IOS XE Software Web UI Privilege Escalation Vulnerability. For more information, see cisco-sa-iosxe-webui-privesc-j22SaA4z.

What's New in Hardware for Cisco IOS XE Cupertino 17.9.4

There are no new hardware features in this release.

What's New in Software for Cisco IOS XE Cupertino 17.9.4

There are no new software features in this release.

What's New in Hardware for Cisco IOS XE Cupertino 17.9.3

There are no new hardware features in this release.

What's New in Software for Cisco IOS XE Cupertino 17.9.3

There are no new software features in this release.

What's New in Hardware for Cisco IOS XE Cupertino 17.9.2a

There are no new hardware features in this release.

What's New in Software for Cisco IOS XE Cupertino 17.9.2a

There are no new software features in this release.

What's New in Hardware for Cisco IOS XE Cupertino 17.9.1

There are no new hardware features in this release.

What's New in Software for Cisco IOS XE Cupertino 17.9.1

	Feature	Description
Cisco ASR 920 Series Aggregation Services Router		es Aggregation Services Router

d in ITU-T Y.1731. With this implementation, you can prioritize OAM traffic; mple, prioritizing operational information used to detect faults and determining k performance. 2 Control Protocols (L2CP) propagate the MAC address control information to ine which parts of a network the router should forward, tunnel, peer, or discard ation.
B-port T1/E1 CEM Interface Module B-port T3/E3 CEM Interface Module idle pattern numbers are used for tracking purposes. In now apply QoS policies on Y.1731 egress packets. Operations, Administration, aintenance (OAM) functions and mechanisms for Ethernet-based networks are in ITU-T Y.1731. With this implementation, you can prioritize OAM traffic; mple, prioritizing operational information used to detect faults and determining k performance. Control Protocols (L2CP) propagate the MAC address control information to ine which parts of a network the router should forward, tunnel, peer, or discard ation.
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elease supports forward and discard options for the following protocols:
IRP Block
isco BPDU
isco STP UplinkFast
isco CFM
SPs (also called Associated Bidirectional LSPs) now support inter-area co-routed s. With this implementation, we meet the specific requirements of network ors to create on-demand tunnels by defining an explicit path across different
rature provides additional security by removing all user files from bootflash factory reset. It prevents the malicious users from accessing configuration files in bootflash.
ature is only supported on Cisco ASR 920-10SZ-PD, Cisco ASR-920-12CZ-A/D, ASR-920-4SZ-A/D, Cisco ASR-920-12SZ-IM, ASR-920U-12SZ-IM, Cisco

Feature	Description	
Support for Firmware Upgrade	This release introduces the firmware upgrade support for ASR 920-10SZ-PD and Cisco ASR-920-24SZ-IM, Cisco ASR-920-24SZ-M, and Cisco ASR-920-24TZ-M routers.	
YANG Model Support for QoS Service Group	Cisco YANG now supports QoS Service Groups. Service-Groups allow you to add service instances to groups and apply service policies. You can configure the definition of the service-group and apply the service-group to an interface. With this implementation, you can quickly deploy QoS mechanisms, such as creating a class for email traffic.	
IPv6: RFC 8200 Compliance	Improvements have been made to the Cisco IOS XE platforms to maintain compliance with IETF standards as specified for the Internet Protocol, Version 6 (IPv6) in RFC 8200. The enhancements bring in improved security and better handling of IP packets with fragments.	
TPoP T1/E1 clock status display update	Starting with release Cisco IOS XE Cupertino 17.9.1, TPoP T1/E1 clock status is accurately displayed in the recovered clock status output.	
Show Tech-Support Enhancements		
Show Tech-Support Enhancements	The show tech-support now supports generic commands to provide better debuggability. The show tech-support platform cef command now displays IPv4 address information. For more information, see Cisco IOS Configuration Fundamentals Command Reference.	