Release Notes for Cisco ASR 920 Series Aggregation Services Router, Cisco IOS XE Dublin 17.12.x

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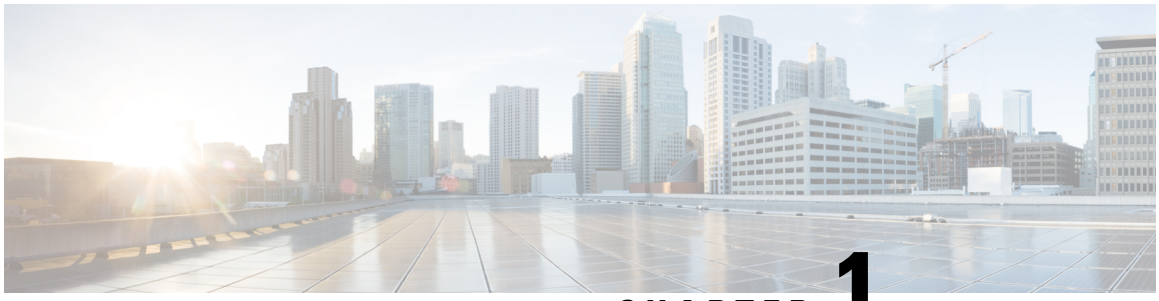


CHAPTER 1

Introduction

This release notes contain information about the Cisco ASR 920 Series Aggregation Services Routers, provides new and changed information for these routers, hardware support, limitations and restrictions, and caveats.

This release notes provides information for these variants of the Cisco ASR 920 Series Routers:

- ASR-920-12CZ-A
- ASR-920-12CZ-D
- ASR-920-4SZ-A
- ASR-920-4SZ-D
- ASR-920-10SZ-PD
- ASR-920-24SZ-IM
- ASR-920-24SZ-M
- ASR-920-24TZ-M
- ASR-920-12SZ-IM
- ASR-920-12SZ-A
- ASR-920-12SZ-D
- ASR 920-8S4Z-PD

Cisco ASR 920 Series Routers Overview

The Cisco ASR 920 Series Aggregation Services Routers provide a comprehensive and scalable set of Layer 2 and Layer 3 VPN services in a compact package. They are temperature-hardened, small form factor, with high throughput and low power consumption ideal for mobile backhaul, business services and residential voice, video, and data ("triple-play") applications.

Feature Navigator

Use the Cisco Feature Navigator to find information about feature, platform, and software image support. To access the Cisco Feature Navigator, go to http://www.cisco.com/go/cfn. An account on cisco.com is not required.

Feature Matrix

The feature matrix lists the features supported for each platform. For more information, see the Cisco ASR 920 Series Aggregation Services Routers Feature Compatibility Matrix.

Software Licensing Overview

Starting with Cisco IOS XE Cupertino 17.7.1, PAK licenses are no longer available. When you purchase the Cisco IOS XE Cupertino 17.7.1 release or later, Smart Licensing is enabled by default. We recommend that you move to Smart Licensing before upgrading to Cisco IOS XE Cupertino 17.7.1 or a higher release, for a seamless experience.

If you are using Cisco IOS XE Bengaluru 17.6.1 or an earlier release version, Smart Licensing is not enabled by default. To enable Smart Licensing, see Software Activation Configuration Guide (Cisco IOS XE ASR 920 Routers).

The router offers the following base licenses:

- Metro Services
- Metro IP Services
- Advanced Metro IP access
    - SDM Video Template

Table 1: Cisco ASR 920 Software Licenses Feature Set

Metro Services	Metro IP Services	Metro Aggregation Services
—	Includes all features in Metro Services	Includes all features in Metro IP Services
QoS, with deep buffers and hierarchical QoS (HQOS)	IP routing (RIP, OSPF, EIGRP, BGP, IS-IS)	MPLS (LDP and VPN)

Metro Services	Metro IP Services	Metro Aggregation Services
Layer 2: 802.1d, 802.1q	PIM (SM, DM, SSM), SSM mapping	MPLS TE and FRR
Ethernet Virtual Circuit (EVC)	BFD	MPLS OAM
Ethernet OAM (802.1ag, 802.3ah)	Multi-VRF CE (VRF lite) with service awareness (ARP, ping, SNMP, syslog, trace-route, FTP, TFTP)	MPLS-TP
Multiple Spanning Tree (MST) and Resilient Ethernet Protocol (REP)	IEEE 1588-2008 Ordinary Slave Clock and Transparent Clock	Pseudowire emulation (EoMPLS, CESoPSN, and SAToP)
Synchronous Ethernet	—	VPLS and HVPLS
IPv4 and IPv6 host connectivity	—	Pseudowire redundancy
—	—	MR-APS and mLACP

The router offers the following additional feature licenses:

- ATM
- IEEE 1588-2008 Boundary Clock/Master Clock
- OC-x Port License

Determining the Software Version

Use the following commands to verify your software version:

- Consolidated Package— **show version**

Table 2: ROMMON Version

PIDs	ROMMON
ASR-920-12SZ-A , ASR-920-12SZ-D	15.6(54r)S
ASR-920-12SZ-IM	15.6(54r)S
ASR-920-12CZ-A, ASR-920-12CZ-D, ASR-920-4SZ-A, ASR-920-4SZ-D, ASR-920-10SZ-PD,ASR-920-24SZ-IM, ASR-920-24SZ-M, ASR-920-24TZ-M, and ASR920-8S4Z-PD	15.6(56r)S

Upgrading to a New Software Release

Only the latest consolidated packages can be downloaded from Cisco.com; users who want to run the router using individual subpackages must first download the image from Cisco.com and extract the individual subpackages from the consolidated package.

For information about upgrading to a new software release, see the Upgrading the Software on the Cisco ASR 920 Series Routers.

Upgrading the FPD Firmware

FPD Firmware packages are bundled with the software package. FPD upgrade is automatically performed ont the router.

If you like to manually change the FPD Firmware software, use the **upgrade hw-module subslot 0/0 fpd bundle** to perform FPD frmware upgrade.

Supported HoFPGA and ROMMON Versions

The tables below list the HoFPGA and ROMMON version of the software releases.

Table 3: HoFPGA and ROMMON Versions for the Cisco ASR-920-12CZ-A, ASR-920-12CZ-D, ASR-920-4SZ-A, ASR-920-4SZ-D, ASR-920-10SZ-PD, and ASR 920-8S4Z-PD

Release	HoFPGA Version	ROMMON Version
Cisco IOS XE Amsterdam 17.1.x	0X00040043 (BFD/default template) 0x00020009 (Netflow template)	15.6(32r)S
Cisco IOS XE Amsterdam 17.3.1	0X00020009	15.6(43r)S
Cisco IOS XE Amsterdam 17.3.2	0X00020009	15.6(43r)S
Cisco IOS XE Bengaluru 17.4.1	0X00040044 (BFD/default template)	15.6(44r)S
Cisco IOS XE Bengaluru 17.5.1	0X00040044 (BFD/default template)	15.6(44r)S
Cisco IOS XE Bengaluru 17.6.1	0X00040044	15.6(48r)S
Cisco IOS XE Bengaluru 17.6.2	0X00040044	15.6(48r)S
Cisco IOS XE Cupertino 17.7.1	0X00040044	15.6(48r)S
Cisco IOS XE Cupertino 17.8.1	0X00040044	15.6(48r)S
Cisco IOS XE Dublin 17.10.1	0X00040044	15.6(56r)S
Cisco IOS XE Dublin 17.11.1a	0X00040044	15.6(56r)S

Release	HoFPGA Version	ROMMON Version
Cisco IOS XE Dublin 17.12.1	0X00040044	15.6(56r)S
Cisco IOS XE Dublin 17.12.2a	0X00040044	15.6(56r)S
Cisco IOS XE Dublin 17.12.3	0X00040044	15.6(56r)S
Cisco IOS XE Dublin 17.12.4	0X00040044	15.6(56r)S
Cisco IOS XE Dublin 17.12.5	0X00040044	15.6(56r)S

Table 4: HoFPGA and ROMMON Versions for the Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M, and ASR-920-24TZ-M

Release	HoFPGA Version	ROMMON Version
Cisco IOS XE Amsterdam 17.1.x	0x00030014 (BFD/default template) 0x00030014 (Netflow template)	15.6(32r)S
Cisco IOS XE Amsterdam 17.3.1	0X00030014	15.6(43r)S
Cisco IOS XE Amsterdam 17.3.2	0X00030014	15.6(43r)S
Cisco IOS XE Bengaluru 17.4.1	0X00030016	15.6(44r)S
Cisco IOS XE Bengaluru 17.5.1	0X00040019	15.6(44r)S
Cisco IOS XE Bengaluru 17.6.1	0X0004001b	15.6(48r)S
Cisco IOS XE Bengaluru 17.6.2	0X0004001b	15.6(48r)S
Cisco IOS XE Cupertino 17.7.1	0X0004001b	15.6(48r)S
Cisco IOS XE Cupertino 17.8.1	0X0004001b	15.6(48r)S
Cisco IOS XE Dublin 17.10.1	0X0004001b	15.6(56r)S
Cisco IOS XE Dublin 17.11.1a	0X0004001b	15.6(56r)S
Cisco IOS XE Dublin 17.12.1	0X0004001b	15.6(56r)S
Cisco IOS XE Dublin 17.12.2a	0X0004001b	15.6(56r)S
Cisco IOS XE Dublin 17.12.3	0X0004001b	15.6(56r)S
Cisco IOS XE Dublin 17.12.4	0X0004001b	15.6(56r)S
Cisco IOS XE Dublin 17.12.5	0X0004001b	15.6(56r)S

Table 5: HoFPGA and ROMMON Versions for the Cisco ASR-920-12SZ-IM

Release	HoFPGA Version	ROMMON Version
Cisco IOS XE Amsterdam 17.1.x	0x0003001B (BFD/default template) 0x00020008 (Netflow template)	15.6(24r)S
Cisco IOS XE Amsterdam 17.3.1	0X0003001b	15.6(43r)S
Cisco IOS XE Amsterdam 17.3.2	0X0003001b	15.6(43r)S
Cisco IOS XE Bengaluru 17.4.1	0X0003001e	15.6(43r)S
Cisco IOS XE Bengaluru 17.5.1	0X0003001e	15.6(43r)S
Cisco IOS XE Bengaluru 17.6.1	0X0003001e	15.6(46r)S
Cisco IOS XE Bengaluru 17.6.2	0X0003001e	15.6(46r)S
Cisco IOS XE Cupertino 17.7.1	0x0003001e	15.6(46r)S
Cisco IOS XE Cupertino 17.8.1	0x0003001e	15.6(46r)S
Cisco IOS XE Dublin 17.10.1	0X0003001e	15.6(54r)S
Cisco IOS XE Dublin 17.11.1a	0X0003001e	15.6(54r)S
Cisco IOS XE Dublin 17.12.1	0X0003001e	15.6(54r)S
Cisco IOS XE Dublin 17.12.2a	0X0003001e	15.6(54r)S
Cisco IOS XE Dublin 17.12.3	0X0003001e	15.6(54r)S
Cisco IOS XE Dublin 17.12.4	0X0003001e	15.6(54r)S
Cisco IOS XE Dublin 17.12.5	0X0003001e	15.6(54r)S

Table 6: HoFPGA and ROMMON Versions for the Cisco ASR-920-12SZ-A and ASR-920-12SZ-D

Release	HoFPGA Version	ROMMON Version
Cisco IOS XE Amsterdam 17.1.x	0x00010039 (BFD/default template) 0x10000007 (Netflow template)	15.6(29r)S
Cisco IOS XE Amsterdam 17.3.1	0X10000008	15.6(43r)S
Cisco IOS XE Amsterdam 17.3.2	0X10000008	15.6(43r)S
Cisco IOS XE Bengaluru 17.4.1	0X00010040 (BFD/default template)	15.6(43r)S
Cisco IOS XE Bengaluru 17.5.1	0X10000008	15.6(43r)S

Release	HoFPGA Version	ROMMON Version
Cisco IOS XE Bengaluru 17.6.1	0X10000008	15.6(46r)S
Cisco IOS XE Bengaluru 17.6.2	0X00020043	15.6(46r)S
Cisco IOS XE Cupertino 17.7.1	0X00020043	15.6(46r)S
Cisco IOS XE Cupertino 17.8.1	0X00020043	15.6(46r)S
Cisco IOS XE Dublin 17.10.1	0X00020043	15.6(54r)S
Cisco IOS XE Dublin 17.11.1a	0X00020043	15.6(54r)S
Cisco IOS XE Dublin 17.12.1	0X00020043	15.6(54r)S
Cisco IOS XE Dublin 17.12.2a	0X00020043	15.6(54r)S
Cisco IOS XE Dublin 17.12.3	0X00020043	15.6(54r)S
Cisco IOS XE Dublin 17.12.4	0X00020043	15.6(54r)S
Cisco IOS XE Dublin 17.12.5	0X00020043	15.6(54r)S

Table 7: IM FPGA Versions for the Cisco ASR-920-24SZ-IM

Release	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	16 T1/E1	32 T1/E1
Cisco IOS XE Amsterdam 17.1.x	0.49	69.24	0.54	0.54	0.46
Cisco IOS XE Amsterdam 17.3.1	0.49	69.24	0.54	0.54	0.46
Cisco IOS XE Amsterdam 17.3.2	0.75	N/A	N/A	0.54	0.46
Cisco IOS XE Bengaluru 17.4.1	0.75	N/A	N/A	0.54	0.46
Cisco IOS XE Bengaluru 17.5.1	0.75	N/A	N/A	0.54	0.46
Cisco IOS XE Bengaluru 17.6.1	0.75	69.24	0.54	0.54	0.46

Release	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	16 T1/E1	32 T1/E1
Cisco IOS XE Bengaluru 17.6.2	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Cupertino 17.7.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Cupertino 17.8.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.10.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.11.1a	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.2a	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.3	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.4	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.5	0.75	69.24	0.54	0.54	0.46

Table 8: IM FPGA Versions for the Cisco ASR-920-12SZ-IM

Release	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	16 T1/E1	32 T1/E1
Cisco IOS XE Amsterdam 17.1.x	0.49	69.24	0.54	0.54	0.46
Cisco IOS XE Amsterdam 17.3.1	0.49	69.24	0.54	0.54	0.46

Release	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	16 T1/E1	32 T1/E1
Cisco IOS XE Amsterdam 17.3.2	0.75	N/A	N/A	0.54	0.46
Cisco IOS XE Bengaluru 17.4.1	0.75	N/A	N/A	0.54	0.46
Cisco IOS XE Bengaluru 17.5.1	0.75	N/A	N/A	0.54	0.46
Cisco IOS XE Bengaluru 17.6.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Bengaluru 17.6.2	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Cupertino 17.7.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Cupertino 17.8.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.10.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.11.1a	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.1	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.2a	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.3	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.4	0.75	69.24	0.54	0.54	0.46
Cisco IOS XE Dublin 17.12.5	0.75	69.24	0.54	0.54	0.46

Restrictions and Limitations

Note The error message "PLATFORM-1-NOSPACE: SD bootflash : no space alarm assert" may occur in the following scenarios:

- Any sector of SD Card gets corrupted
- Improper shut down of router
- power outage.

This issue is observed on platforms which use EXT2 file systems.

We recommend performing a reload of the router. As a result, above alarm will not be seen during the next reload due to FSCK(file systems check) execution.

However, If the error persists after a router reload, we recommend to format the bootflash or FSCK manually from IOS.

- Embedded Packet Capture (EPC) is not supported on ASR 920 routers.
- The **default** *command-name* command is used to default the parameters under that interface. However, when speed is configured on the interface, the following error is displayed:

  ```
  Speed is configured. Remove speed configuration before enabling auto-negotiation
  ```

- For VCoP, only SFP-T3F-SATOP-I is supported.
- Adding or deleting the Trunk Ethernet flow points (TEFPs) with scaled bridge-domain, without delay causes the Cisco ASR 920 Series router to crash.
- Virtual services should be deactivated and uninstalled before performing replace operations.
- The Cisco ASR920 Series Routers no longer support the controller and nid-controller commands for the Cisco ME1200 switch.
- The following interface modules (IMs) do not require the activation command for IM boot up, provided no other IM is activated in subslot 0/1 before.

  However, if an IM was activated in the system earlier, deactivate the previously-activated IM before inserting a new IM in system.

  - 16-Port T1/E1 Interface Module
  - 32-Port T1/E1 Interface Module
  - 8-Port T1/E1 Interface Module
  - 4-port OC3/STM-1 (OC-3) or 1-port OC12/STM-4 (OC-12) Interface Module
  - 14-Port Serial Interface Module
  - 6-Port E and M Interface Module
  - 4-Port C37.94 Interface Module

- RS422 works on ports from 0 to 7 only.
- The frame drops may occur for packets with packet size of less than 100 bytes, when there is a line rate of traffic over all 1G or 10G interfaces available in the system. This restriction is applicable only on RSP2 module and ASR 920 platform, and is not applicable for RSP3 module.
- MPLS VC label packet with time-to-live (TTL) value of 2 is dropped at egress MPLS PE device due to ASIC limitations. During PHP process, MPLS TTL value for the VC label is decremented by one with implicit-null. The VC label-related TTL value is set to 255 while imposing the VC label due to multiple VC switching scenarios.

  Use the **no mpls ip propagate-ttl** command as the Short Pipe mode for the required label.
- Interface naming is from right to left. For more information, see the Cisco ASR 920 SoftwareConfiguration Guide .
- Packet size greater than 1460 is not supported over IPsec Tunnel.
- Minimal traffic drop might be seen for a moment when higher rate traffic is sent through the IPsectunnels for the first time.
- One Ternary Content-Addressable Memory (TCAM) entry is utilized for Segment Routing Performance Measurement. This is required for the hardware timestamping to function.
- While performing an auto upgrade of ROMMON, only primary partition is upgraded. Use the **upgrade rom-mon filename** command to upgrade the secondary partition of the ROMMON. However, the router can be reloaded during the next planned reload to complete the secondary ROMMON upgrade.
- Some router models are not fully compliant with all IETF guidelines as exemplified by running the pyang tool with the lintflag. The errors and warnings exhibited by running the pyang tool with the lint flag are currently non-critical as they do not impact the semantic of the models or prevent the models from being used as part of the toolchains. A script is provided, **check-models.sh**, which runs pyang with lint validation enabled, but ignoring certain errors. This allows the developer to determine what issues may be present.
- If IPv6 Global IP is configured as the BFD peer, and if the interface goes down, a VRRP flap may occur. This may occur because, VRRP works on the basis of Link-local IP and not global IP. As a result, VRRP flaps on the previously backed up device and prints a DAD message.

Additional References

Product Information

- Cisco ASR 920 Series Aggregation Services Router Data Sheets

Hardware Installation Guides

- Cisco ASR 920 Series Aggregation Services Router Hardware Guides

Software Configuration Guides

- Cisco ASR 920 Series Aggregation Services Router Configuration Guides

Regulatory Compliance and Safety Information

- Regulatory Compliance and Safety Information for the Cisco ASR 920 Series Aggregation Services Routers

Field Notices and Bulletins

- Field Notices—We recommend that you view the field notices for this release to determine whether your software or hardware platforms are affected. You can find field notices at http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html.
- Bulletins—You can find bulletins at http://www.cisco.com/en/US/products/sw/iosswrel/ps5012/prod_literature.html.

MIB Support

To view supported MIB, go to http://tools.cisco.com/ITDIT/MIBS/MainServlet.

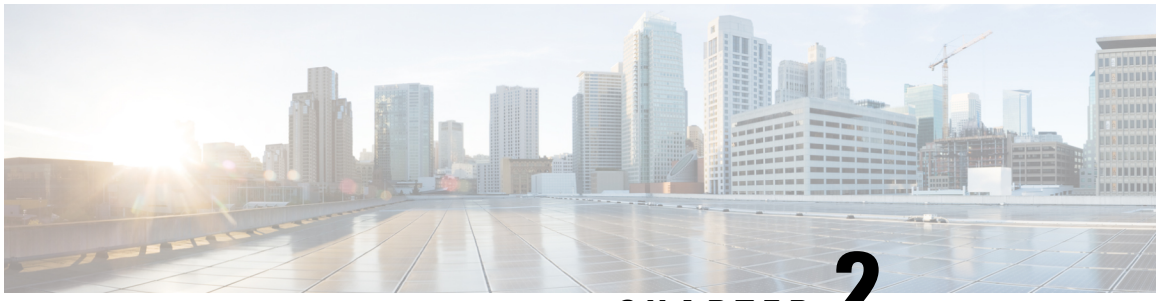
Accessibility Features in the Cisco ASR 920 Series Routers

For a list of accessibility features in Cisco ASR 920 Series Routers, see the Voluntary Product Accessibility Template (VPAT) on the Cisco website, or contact accessibility@cisco.com.

All product documents are accessible except for images, graphics, and some charts. If you would like to receive the product documentation in audio format, braille, or large print, contact accessibility@cisco.com.

End-of-Life and End-of-Sale Notices

For End-of-Life and End-of-Sale Notices for the Cisco ASR 920 Series Routers, see http://www.cisco.com/c/en/us/products/routers/asr-920-series-aggregation-services-router/eos-eol-notice-listing.html.



CHAPTER 2

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

What's New in Hardware for Cisco IOS XE Dublin 17.12.5

There are no new hardware features introduced for this release.

What's New in Software for Cisco IOS XE Dublin 17.12.5

There are no new software features introduced for this release.

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

There are no new hardware features for Cisco IOS XE Dublin 17.12.4.

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

There are no new software features for Cisco IOS XE Dublin 17.12.4.

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

There are no new hardware features for Cisco IOS XE Dublin 17.12.3.

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

There are no new software features for Cisco IOS XE Dublin 17.12.3.

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

There are no hardware features for this release.

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

There are no software features for this release.

What's New in Hardware for Cisco IOS XE Dublin 17.12.1

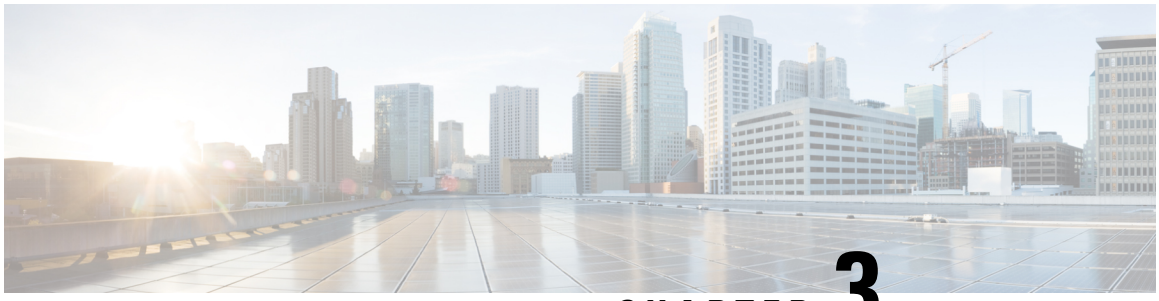
Table 9: Supported Optics

Feature	Description
Optics	This release launches the following new optics on selective hardware within the product portfolio. For details refer to the Transceiver Module Group (TMG) Compatibility Matrix. • Cisco 10GBASE Dense Wavelength-Division Multiplexing Small Form-Factor Pluggable (SFP+) • DWDM-SFP10G-C-S

What's New in Software for Cisco IOS XE Dublin 17.12.1

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.

Feature	Description
CEM	
CEM Description Command	You can add description for a cem group up to 200 characters using the **description** command.
SNMP	
SHA and SHA-2 Authentication and AES Encryption Protocol Support	You can now use only SHA or SHA-2 authentication and AES encryption protocols. These authentication and encryption protocols use stronger cryptographic algorithms, providing a higher level of security. Protocols such as MD5 authentication, DES, and 3-DES are no longer supported. Note that anyone using these authentication and encryption protocols are removed from the database and can result in the failure of SNMP operations.



CHAPTER 3

Caveats

This chapter describes open and resolved severity 1 and 2 caveats and select severity 3 caveats:

- The "Open Caveats" sections list open caveats that apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.
- The "Resolved Caveats" sections list caveats resolved in a specific release, but open in previous releases.

The bug IDs are sorted alphanumerically.

Note The Caveats section includes the bug ID and a short description of the bug. For details on the symptoms, conditions, and workaround for a specific caveat you must use the Bug Search Tool.

Resolved Caveats – Cisco IOS XE Dublin 17.12.5

Identifier	Headline
CSCwk46171	Enabling T1/E1 TPoP causes latency for control plane packets.
CSCwm91197	Silent reload of 3GMS IM due to PCI transaction failure.
CSCwm00642	RSP reboots while configuring CEM IDs on ACR.

Identifier	Headline
CSCwm86214	LDP session flap causes memory leak for EMPLS3LD which leads to RSP crash.
CSCwk58917	L-bit propogation not enabled for LOF alarm after T1/E1 framing change with framed SAToP.

Open Caveats – Cisco IOS XE Dublin 17.12.5

Identifier	Headline
CSCwi76112	Message to be displayed for M13 framing when configured with clear-channel.

Resolved Caveats – Cisco IOS XE Dublin 17.12.4

Identifier	Headline
CSCwj71820	L2VPN pseudowire configuration is causing the GNMI state go down

Open Caveats–Cisco IOS XE Dublin 17.12.4

Identifier	Headline
CSCwf32880	ASR920 QoS performance enhancement for tagged EVC
CSCwi64206	Port LED status glows in green color even after the peer end connection is removed & same vice versa

Resolved Caveats – Cisco IOS XE Dublin 17.12.3

Identifier	Headline
CSCwh88274	Unable to remove service-policy from from standby member link
CSCwi75499	Lost CEM circuit configuration after reboot
CSCwh68394	Unable to remove the service instance under interface
CSCwh85621	The **show platform ha cef ip/ipv6** command is displaying partial output for POCH interface
CSCwi85575	The router drops Wake on LAN (WoL) packet for directly connected interface
CSCwh57819	IP services are down in the device after each reboot

Identifier	Headline
CSCwh84408	The process pubd is not running in ASR920 and RSP2 device
CSCwj01024	ISIS: Counter for the number of redistributed routes does not get decremented

Open Caveats–Cisco IOS XE Dublin 17.12.3

Identifier	Headline
CSCwh17987	ASR920: traffic drop seen when BW on the Gig interface is changed to 100 Mb with MTU beyond 5000
CSCwj05647	3GMS Serial interface protocol down with specific Modem
CSCwh66210	Netconf RPC failed to apply if increase mpls MTU limit to 9644 bytes
CSCwj06370	Serial cease traffic when configuring module other port
CSCwi64206	Port LED status glows in green color even after the peer end connection is removed and same vice versa
CSCwh59032	CPE SIT: Data structure error pointing to rsvp-db during TE FRR
CSCwh75614	Increased CPU after upgrading router to 17.6.3 from 16.9.4 when 1000 SLM/DMM sessions are configured

Resolved Caveats – Cisco IOS XE Dublin 17.12.2a

Identifier	Headline
CSCwf81523	OCX: traceback seen IOSXE_RP_SPA-3-IOMD_CONFIG_FAIL: when mode sonet is configured.
CSCwh30217	With rate of OC-12, the threshold sf-ber 3 is added under the `show running-config` command.
CSCwh87343	Cisco IOS XE Software Web UI Privilege Escalation Vulnerability.
CSCwh04884	VC Down due to control-word negotiation
CSCwf79476	When certificate issue `show platform sudi certificate sign nonce xxxx`, Flaps L3 interfaces
CSCwh75169	ISIS: Redistribution prefix threshold is reached with lesser prefixes.
CSCwf16577	BFD session down alarm does not clear after fault recovery.

Open Caveats–Cisco IOS XE Dublin 17.12.2a

Identifier	Headline
CSCwh75614	IP SLA Multicast configuration Not Working
CSCwh82358	Service Instance IDs of integers 4001-5000 is not supported.
CSCuv05226	VRF is not deleted after replacing default configuration.
CSCwh66210	Netconf RPC failed to apply if MPLS MTU limit is increased to 9644 bytes.
CSCwh68394	Unable to remove the service instance under interface.
CSCwh89032	Remove vulnerability in open port.

Resolved Caveats – Cisco IOS XE Dublin 17.12.1

Identifier	Headline
CSCwd78618	IMASER14A/S does not boot on ASR920.
CSCwe98227	The "show version" does not display details of T1/E1 interfaces for 8D and 32D IMs.
CSCwd90840	Mcast data traffic is getting dropped over vpls.
CSCwe38904	Frame loss seen for 64 bytes packet size for rate step 2333333/all kbps.
CSCwf42164	No snmp trap link-status get re-added after IM reload.
CSCwf49426	PAIS alarm get reported after IM OIR.
CSCwf48343	Display issue when Label pointing in LB object in BGP-PIC edge case.
CSCwd85267	FR Port mode - show interface CLI does not display FR PW statistics.
CSCwd25376	Loopback local on 3GMS IM causing BIP B2 counters increment under show controller CLI.
CSCwe54549	ASR-920 - SFP not detected due to checksum error.
CSCwe10460	Power sensor threshold warning alarms in EPNM.
CSCwe58324	Node reload observed after routing change in core.
CSCvy81362	ASR920: Controllers are down due to LP-LOP alarm After CE reboots.
CSCwf67803	DS3_ADMIN_DOWN gets cleared after IM OIR and displaying LINK_DOWN alarm in 3GMS.
CSCwd46121	Time stamp issue on Transparent clock for 1G PORTS.

Identifier	Headline
CSCwe38959	rs232 ASYNC PW service with full scale seeing packet and byte drops intermittently.
CSCwe13024	RSP2: All readings for power supply unit reflect as zero though the unit is functional.
CSCwd67723	In IMA32D/IMA8D card, sometimes change in E1 controller config (after ctrlr flap) results in IM reboot.
CSCwe27336	Cylon error logs during reload in ASR920-24SZ-M variant.
CSCwe19162	After SSO: False Alarm on CNAAP.
CSCwe55191	ISIS neighbors flap during switchover when authentication is enabled.
CSCwe95820	VRF Static Route Redistribution into EIGRP fails.
CSCwe53345	External R1 10M is not selected after double SSO with GNSS.
CSCwd66936	RSP2 UDP pseudowire stuck in activating.
CSCwe36122	ISIS crash when performing TI-LFA calculation.
CSCwe27155	[ASR 920] Seen traffic drop with BDI shut (IP_FRR configs).

Open Caveats–Cisco IOS XE Dublin 17.12.1

Identifier	Headline
CSCwf23533	PTP-G8275.1 Profile - High Offset Seen on BC th data traffic.
CSCwf71463	With traffic ON, when speed lowered on ASYNC port, SYNC port CEM traffic gets impacted.
CSCwf65076	ASR-920 - isis hello-interval minimal configuration causes ASIC lock.
CSCwf18420	LLDP does not announce dynamically assigned VLAN.
CSCwf68400	RSP3:<group>0</group> additional value gets added during fetch, applying the same config fails.

Cisco Bug Search Tool

Cisco Bug Search Tool (BST), the online successor to Bug Toolkit, is designed to improve effectiveness in network risk management and device troubleshooting. You can search for bugs based on product, release, and keyword, and aggregates key data such as bug details, product, and version. For more details on the tool, see the help page located at http://www.cisco.com/web/applicat/cbsshelp/help.html