



## **Release Notes for Cisco ASR 920 Series Aggregation Services Router, Cisco IOS XE Dublin 17.10.x**

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## CONTENTS

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### CHAPTER 1

#### **Introduction 1**

- Cisco ASR 920 Series Routers Overview 2
- Feature Navigator 2
- Feature Matrix 2
- Software Licensing Overview 2
- Determining the Software Version 3
- Upgrading to a New Software Release 4
- Supported HoFPGA and ROMMON Versions 4
- Restrictions and Limitations 8
- Additional References 10

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### CHAPTER 2

#### **What's New in Cisco IOS XE Dublin 17.10.x 13**

- What's New in Hardware for Cisco IOS XE Dublin 17.10.x 13
- What's New in Software for Cisco IOS XE Dublin 17.10.x 13

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### CHAPTER 3

#### **Caveats 17**

- Open Caveats – Cisco IOS XE Dublin 17.10.1 17
- Open Caveats – Cisco IOS XE Dublin 17.10.1 – Platform Independent 18
- Resolved Caveats – Cisco IOS XE Dublin 17.10.1 18
- Resolved Caveats – Cisco IOS XE Dublin 17.10.1 – Platform Independent 18
- Cisco Bug Search Tool 18





# CHAPTER 1

## Introduction

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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.



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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, on page 2](#)

- [Feature Navigator](#), on page 2
- [Feature Matrix](#), on page 2
- [Software Licensing Overview](#), on page 2
- [Determining the Software Version](#), on page 3
- [Upgrading to a New Software Release](#), on page 4
- [Supported HoFPGA and ROMMON Versions](#), on page 4
- [Restrictions and Limitations](#), on page 8
- [Additional References](#), on page 10

## 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](#).

The cumulative [Feature Compatibility Release Matrix](#) is available on Content Hub.

## 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)
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

PIDs	ROMMON
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 on 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 firmware 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



Release	HoFPGA Version	ROMMON Version
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

**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

**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

Release	HoFPGA Version	ROMMON Version
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

**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
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

**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

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

**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
Cisco IOS XE Amsterdam 17.3.2	0.75	N/A	N/A	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 17.4.1	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

## 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 Software Configuration 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 IPsec tunnels 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](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](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](mailto: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](mailto: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 17.10.x

This chapter describes the new hardware and software features supported on the Cisco ASR 920 Series routers in Cisco IOS XE Dublin 17.10.x.

For information on features supported for each release, see [Feature Compatibility Matrix](#).

- [What's New in Hardware for Cisco IOS XE Dublin 17.10.x, on page 13](#)
- [What's New in Software for Cisco IOS XE Dublin 17.10.x, on page 13](#)

## What's New in Hardware for Cisco IOS XE Dublin 17.10.x

There are no new hardware features for this release.

## What's New in Software for Cisco IOS XE Dublin 17.10.x

Feature	Description
<b>Carrier Ethernet</b>	
<a href="#">Tagged Packet Support Using Link Layer Discovery Protocol (LLDP)</a>	<p>LLDP now supports tagged packet transmission over a service instance with dot1q encapsulation.</p> <p>LLDP advertises information about themselves to their network neighbors, and store the information they discover from other devices. Though both these transmitted frames go through the same physical interface, they can be uniquely identified by the information advertised in the Port ID Type-Length-Value (TLV).</p> <p>You can use the <code>lldp enable</code> command to enable LLDP over a particular service instance. Use the <code>show lldp neighbors</code> and <code>show lldp entry</code> command outputs for neighboring device details.</p>
<b>CEM</b>	
<a href="#">Frame Relay Configuration extended to RSP2 Module</a>	<p>You can configure frame relay on the iMSG serial interface for the following interface modules:</p> <ul style="list-style-type: none"><li>• 1-port OC-48/STM-16 or 4-port OC-12/OC-3 / STM-1/STM-4 + 12-port T1/E1 + 4-port T3/E3 CEM interface module</li></ul>

Feature	Description
<b>IP</b>	
Improved IPv6 Forwarding Failure Notification	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 fix some common causes of IPv6 forwarding faults and notify the sender about undelivered packets to a specified target. Notifications are received as log messages that can be accessed by enabling the following debugging command:  <b>debug ipv6</b>  Using the notifications, you can effectively troubleshoot IPv6 forwarding issues.
<b>IP SLAs</b>	
<a href="#">SADT over VC when Access Interface is Down</a>	You can perform Service Activation and Deactivation (SADT) over Virtual Circuit (VC) even when access interface is down.
<b>Licensing Commands on Btrace</b>	
Licensing Commands on Btrace	The debug license command is no longer supported with Licensing. Use the <b>set platform software traceios</b> command to collect trace messages.  For more information, see the <a href="#">Software Activation Configuration Guide (Cisco IOS XE ASR 920 Series)</a> .
<b>Programmability</b>	
Telemetry for Monitoring Optical Transceivers	The <b>Cisco-IOS-XE-transceiver-oper</b> data model contains a collection of YANG definitions for monitoring optical transceivers. Maintaining certain parameters such as the voltage, temperature, or current at a desired level ensures optimal performance of optical modules. You can now subscribe to receive telemetry data, periodically, for debugging issues related to these parameters. Based on the telemetry data, you can mitigate problems such as elevated temperatures, which can have a significant effect on the performance of optical modules.
<b>Time Division Multiplexing</b>	
<a href="#">TSoP Support for the ASR-920-12CZ-A and ASR-920-12CZ-D</a>	TSoP SSFP support is extended to the ASR-920-12CZ-A and ASR-920-12CZ-D chassis.
<b>YANG Support</b>	

Feature	Description
YANG Model Support for L2VPN Operations	<p>The <b>Cisco-IOS-XE-l2vpn-oper</b> native model is a collection of YANG definitions for L2VPN services operational data. The leaves and lists present in the following sensor paths are now supported:</p> <ul style="list-style-type: none"><li>• Cisco-IOS-XE-l2vpn-oper/l2vpn-oper-data/l2vpn-services/l2vpn-xconnect</li><li>• Cisco-IOS-XE-l2vpn-oper/l2vpn-oper-data/l2vpn-services/l2vpn-atom-vc-info</li></ul> <p>With this model, you can get the L2VPN service name, service type, interface name, peer address, status, encapsulation type, and virtual circuit ID by using a NETCONF RPC. In earlier releases, you could perform this action by using the following CLIs:</p> <ul style="list-style-type: none"><li>• <b>show l2vpn service xconnect peer <i>peer_id</i> vcid <i>vcid</i></b></li><li>• <b>show l2vpn atom vc</b></li></ul> <p><b>Note</b> The <b>show l2vpn atom vc details</b> command is not supported in this release.</p>





## 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.

- [Open Caveats – Cisco IOS XE Dublin 17.10.1, on page 17](#)
- [Open Caveats – Cisco IOS XE Dublin 17.10.1 – Platform Independent, on page 18](#)
- [Resolved Caveats – Cisco IOS XE Dublin 17.10.1, on page 18](#)
- [Resolved Caveats – Cisco IOS XE Dublin 17.10.1 – Platform Independent, on page 18](#)
- [Cisco Bug Search Tool, on page 18](#)

## Open Caveats – Cisco IOS XE Dublin 17.10.1

Identifier	Headline
<a href="#">CSCwc77502</a>	ASR920 Unexpected reload due to MLDPv6
<a href="#">CSCwc93296</a>	ASR-920-10SZ-PD /16.9.4/port Te0/0/10 went admin down after in successive reload
<a href="#">CSCwd05362</a>	Performance issue on ASR900 platform

## Open Caveats – Cisco IOS XE Dublin 17.10.1 – Platform Independent

There are no open PI bugs for this release.

## Resolved Caveats – Cisco IOS XE Dublin 17.10.1

Identifier	Headline
<a href="#">CSCwb82994</a>	RSTP loop can be noticed when router becomes alive.
<a href="#">CSCwc41135</a>	Continuous assertion and clear of LAIS on protect channel causing IPC failure.
<a href="#">CSCwc25182</a>	Synchronization Status Messaging (S1) Processing and Generation issue.
<a href="#">CSCwb76150</a>	STS1e -> vt-15 -> t1 -> Difference in ifName string format for controller up/down syslog messages

## Resolved Caveats – Cisco IOS XE Dublin 17.10.1 – Platform Independent

There are no resolved PI bugs for this release.

## 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>