CISCO

Release Notes for Cisco ASR 920 Series Aggregation Services Router, Cisco IOS XE Fuji 16.9.x

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CHAPTER 3 Caveats **15**

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.

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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-920-20SZ-M
- 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.

Determining the Software Version

Use the following commands to verify your software version:

- Consolidated Package— **show version**

Supported HoFPGA Versions

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

Table 1: HoFPGA Versions for the Cisco ASR-920-12CZ-A, ASR-920-12CZ-D, ASR-920-4SZ-A, ASR-920-4SZ-D, and ASR-920-10SZ-PD

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.7	0X00040044

Table 2: HoFPGA Versions for the Cisco ASR-920-12CZ-A, ASR-920-12CZ-D, ASR-920-4SZ-A, ASR-920-4SZ-D, and ASR-920-10SZ-PD

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.6	0X00040044

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

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.5	0X00030014

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

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.4	0X00030014

Table 5: HoFPGA Versions for the Cisco ASR-920-12CZ-A, ASR-920-12CZ-D, ASR-920-4SZ-A, ASR-920-4SZ-D, and ASR-920-10SZ-PD

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.3	0X00040036

Table 6: HoFPGA Versions for the Cisco ASR-920-12CZ-A, ASR-920-12CZ-D, ASR-920-4SZ-A, ASR-920-4SZ-D, and ASR-920-10SZ-PD

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.1	0X00020029

Table 7: HoFPGA Versions for the Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M, and ASR-920-24TZ-M

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.7	0X00030016

Table 8: HoFPGA Versions for the Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M, and ASR-920-24TZ-M

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.6	0X00030015

Table 9: HoFPGA Versions for the Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M, and ASR-920-24TZ-M

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.5	0X00030014

Table 10: HoFPGA Versions for the Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M, and ASR-920-24TZ-M

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.4	0X00030014

Table 11: HoFPGA Versions for the Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M, and ASR-920-24TZ-M

Release	HoFPGA Version	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	32 T1/E1
Cisco IOS XE Fuji 16.9.3	0X0003000a	0.47	69.22	0.54	0.46

Table 12: HoFPGA Versions for the Cisco ASR-920-24SZ-IM, ASR-920-24SZ-M, and ASR-920-24TZ-M

Release	HoFPGA Version	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	32 T1/E1
Cisco IOS XE Fuji 16.9.1	0X0003000a	0.47	69.24	0.54	0.46

Table 13: HoFPGA Versions for the Cisco ASR–920-12SZ–IM

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.7	0X0003001e

Table 14: HoFPGA Versions for the Cisco ASR–920-12SZ–IM

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.6	0X0003001C

Table 15: HoFPGA Versions for the Cisco ASR–920-12SZ–IM

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.5	0X0003001B

Table 16: HoFPGA Versions for the Cisco ASR–920-12SZ–IM

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.4	0X0003001B

Table 17: HoFPGA Versions for the Cisco ASR–920-12SZ–IM

Release	HoFPGA Version	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	32 T1/E1
Cisco IOS XE Fuji 16.9.3	0X00010016	0.47	69.22	0.54	0.46

Table 18: HoFPGA Versions for the Cisco ASR–920-12SZ–IM

Release	HoFPGA Version	Gigabit Ethernet Interface Module (Phase 1) FPGA	Gigabit Ethernet Interface Module (Phase2) FPGA	8 T1/E1	32 T1/E1
Cisco IOS XE Fuji 16.9.1	0X00010016	0.47	69.24	0.54	0.46

Table 19: HoFPGA Versions for the Cisco ASR-920-12SZ-A, Cisco ASR-920-12SZ-D

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.7	0X00010040

Table 20: HoFPGA Versions for the Cisco ASR-920-12SZ-A, Cisco ASR-920-12SZ-D

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.6	0X00010040

Table 21: HoFPGA Versions for the Cisco ASR-920-12SZ-A, Cisco ASR-920-12SZ-D

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.5	0X00010039

Table 22: HoFPGA Versions for the Cisco ASR-920-12SZ-A, Cisco ASR-920-12SZ-D

Release	HoFPGA Version
Cisco IOS XE Fuji 16.9.4	0X00010039

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 23: 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

Metro Services	Metro IP Services	Metro Aggregation 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

Limitations and Restrictions on the Cisco ASR 920 Series Routers

- To downgrade from Cisco IOS XE Fuji 16.9.x release, always use a lower version of the ROMMON. If you downgrade with ROMMON version 15.6.(24r)S, it may result in a continuous boot loop and might crash.

- A downgrade from a secure FPGA image (image with a fix of caveats CSCvp67001, CSCvp86314, or CSCvp86329), to an image with nonsecure FPGA must not be attempted as it may result in the router getting stuck in a bootloop.

- IPsec is not supported on Cisco ASR-920-12SZ-A and Cisco ASR-920-12SZ-D routers in Cisco IOS XE Fuji 16.9.1 release.

- The default interface 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
```

- 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 0–7 only.

- Only the Cisco IOS XE Fuji 16.9.1 No Payload Encryption (NPE) image can be installed on the Cisco ASR-920-12SZ-A/Cisco ASR-920-12SZ-D routers.

- GNSS OIR is not supported on the Cisco ASR-920-12SZ-A/D routers.

    - Traffic is dropped when packets of size 64–100 bytes are sent on 1G and 10G ports.

        - For 64-byte packets, traffic drop is seen at 70% and beyond of the line rate.

        - For 90-byte packets, traffic drop is seen at 90% and beyond of the line rate.

        - For 95-byte packets, traffic drop is seen at 95% and beyond of the line rate.

    - Traffic is dropped when:

        - Traffic is sent on a VRF interface.

        - Traffic is sent across layer 2 and layer 3.

- The following restriction is applicable only to:

    - Cisco ASR-920-24SZ-IM, Cisco ASR-920-24SZ-M, and Cisco ASR-920-24TZ-M

    - Cisco ASR-920-12SZ-A and Cisco ASR-920-12SZ-D

  However, traffic is not dropped when the packet size is greater than 100 bytes, even if the packets are sent bidirectionally at the line rate.

Important Notes

Note   Port channel 61-64 is not supported in the 16.9.3 release. The range of configurable port channel interfaces has been limited to 60.

Field Notes 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.

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

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- Bulletins—You can find bulletins at http://www.cisco.com/en/US/products/sw/iosswrel/ps5012/prod_literature.html.

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CHAPTER 2

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 16.9.7

There are no new hardware features in this release.

New Software Features in Cisco IOS XE Fuji 16.9.7

There are no new software features in this release.

New Hardware Features in Cisco IOS XE Fuji 16.9.6

There are no new hardware features in this release.

New Software Features in Cisco IOS XE Fuji 16.9.6

There are no new software features in this release.

New Hardware Features in Cisco IOS XE Fuji 16.9.5

There are no new hardware features in this release.

New Software Features in Cisco IOS XE Fuji 16.9.5

There are no new software features in this release.

New Hardware Features in Cisco IOS XE Fuji 16.9.4c

- **Cisco ASR-920-8S4Z-PD Router**

  The Cisco ASR-920-8S4Z-PD Router is a fixed port router that enables 4X10 Gigabit Ethernet ports and 8X1 Gigabit Ethernet ports for an uplink.

  For more information, see the Cisco ASR 920-10SZ-PD and Cisco ASR-920-8S4Z-PD Aggregation Services Router Hardware Installation Guide.

New Software Features in Cisco IOS XE Fuji 16.9.4c

Licensing Information for Cisco ASR-920-8S4Z-PD Router

This release includes the licensing information for Cisco ASR-920-8S4Z-PD.

For more information, see the Software Activation Configuration Guide (Cisco ASR 920 Routers).

New Hardware Features in Cisco IOS XE Fuji 16.9.4

There are no new features that are introduced for Cisco IOS XE Fuji 16.9.4.

New Software Features in Cisco IOS XE Fuji 16.9.4

- **SNMP Dying Gasp Support**

  The SNMP Dying Gasp is now supported on the following routers through FPGA:

  - Cisco ASR-920-24SZ-IM
  - Cisco ASR-920-24SZ-M

• Cisco ASR-920-24TZ-M

The maximum number of supported SNMP servers for SNMP Dying Gasp is 2 and the maximum number of supported Link-OAM Dying Gasp is 6.

For more information, see the Cisco ASR 920 Series Aggregation Services Router Configuration Guide, Cisco IOS XE Fuji 16.9.x.

New Hardware Features in Cisco IOS XE Fuji 16.9.3

There are no new features introduced for Cisco IOS XE Fuji 16.9.3.

New Software Features in Cisco IOS XE Fuji 16.9.3

• **Control Plane Policing**

The IPv4 control packets are punted into the respective CPU queues instead of host queues, if MPLS explicit NULL labels are tagged. Use the **platform qos-feature copp-mpls enable** command, to enable CoPP on the device for MPLS explicit null scenario.

For more information, see the QoS: Policing and Shaping Configuration Guide, Cisco IOS XE Fuji 16.9.x (Cisco ASR 920 Series).

New Hardware Features in Cisco IOS XE Fuji 16.9.2

There are no new features introduced for Cisco IOS XE Fuji 16.9.2.

New Software Features in Cisco IOS XE Fuji 16.9.2

There are no new features introduced for Cisco IOS XE Fuji 16.9.2.

New Hardware Features in Cisco IOS XE Fuji 16.9.1a

• **Cisco ASR-920-12SZ-A and Cisco ASR-920-12SZ-D Routers**

These new routers, an addition to the Cisco ASR 920 Series Aggregation Services Routers family, are Class B Timing Compliance Routers for the Mobile Backhaul for 5G markets. For more information, see the:

• Cisco ASR 920 Series Aggregation Services Class B Timing Compliance Routers Data Sheet

• Cisco ASR-920-12SZ and Cisco ASR-920-12SZ-D Routers Hardware Installation Guide

New Software Features in Cisco IOS XE Fuji 16.9.1a

- **IPv6 Qos ACL L4 classification with expansion approach on IPv6 QoS SDM Template**

  Maximum IPv6 QoS template supports a maximum number of Layer 4 source and destination matches per interface.

  For more information, see the Cisco ASR 900 Router Series Configuration Guide, Cisco IOS XE Fuji 16.9.x.

- **MPLS TE and BGP PIC Edge**

  MPLS TE Load balancing, BGP PIC Edge, and RFC 3107 are now supported over TE-FRR.

  For more information on the feature, see the IP Routing: BGP Configuration Guide, Cisco IOS XE Fuji 16.9.x.

- **Programmability Support**

  - Model-Driven Telemetry—Model-driven telemetry allows network devices to continuously stream real time configuration and operating state information to subscribers.

  - Candidate Configuration—A temporary configuration that can be modified without changing running configuration. You can then choose when to update the device's configuration with the candidate configuration, by committing and confirming the candidate configuration.

  For more information, see the Programmability Configuration Guide, Cisco IOS XE Fuji 16.9.x.

- **RS232 Sync**

  The serial interface module now supports pseudowire transport over MPLS and raw socket for Sync traffic. Out of 14 ports, 6 ports support sync interfaces. RS232 Sync data is carried over Raw Socket.

  For more information, see the Cisco ASR 920 Series Aggregation Services Router Configuration Guide, Cisco IOS XE Fuji 16.9.x.

  .

- **Support for STS1e**

  3GSM-DS3 ports can now be configured in STS-1e mode.

  For more information, see the 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 Configuration Guide, Cisco IOS XE Fuji 16.9.x.

- **VRRPv3 SNMP MIB**

  SNMP MIBs are now supported for Virtual Router Redundancy Protocol (VRRP) version 3.

  For more information on the supported MIBs, see the First Hop Redundancy Protocols Configuration Guide, Cisco IOS XE Fuji 16.9.x.

- **Ear and Mouth Type Transmission Only**

  The Ear and Mouth (ENM) Transmission Only (TO) mode configuration supports CESoP without CAS configuration to transport voice data using T1 or E1 CESoP pseudowire. When TYPE TO is configured on the port, the port is always on OFF-HOOK state.

  The CESoP is configured without signaling.

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.

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

Open Caveats – Cisco IOS XE Fuji 16.9.7

There are no open caveats for this release.

Platform Independent Open Caveats – Cisco IOS XE Fuji 16.9.7

Caveat ID Number	Description
CSCvv79677	ASR902-RSP2 crashed after BGP flaps
CSCvv80471	IPv6 BGP update is not applied after changes to inbound route-map
CSCvw19062	Changing external route tag does not update origin code in BGP
CSCvw44599	IPSLA UDP-jitter: Packets are sent at appx 2ms less or more than the config packet interval

Resolved Caveats – Cisco IOS XE Fuji 16.9.7

Caveat ID Number	Description
CSCvv42595	REP flapping randomly and frequently due to port down

Platform Independent Resolved Caveats – Cisco IOS XE Fuji 16.9.7

Caveat ID Number	Description
CSCvu85572	Dynamic neighbor does not form when peer-group is shutdown in different vrf
CSCvv17560	BMP BGP server can lead to CPUHOG and crashes
CSCvv40006	Traceback: IP SLA triggers INJECT_HDR_LENGTH_ER and INJECT_FEATURE_ESCAPE log message
CSCvv64633	BGP: advertised community list is malformed due to GSHUT community
CSCvw05035	BGP fall-over not working when Null0 static route is configured
CSCvw37109	Pseudowire interface may be unexpectedly removed from VFI on unrelated configuration change
CSCvx02515	BGP IPv6 link-local session does not come up

Open Caveats – Cisco IOS XE Fuji 16.9.6

Caveat ID Number	Description
CSCvt21903	Traffic drops observed with IPSec traffic
CSCvt82525	Crash while IPV6 updating prefixes
CSCvv16454	Traffic failure due to MPLS ECMP load-balancing in one of the labelled path

Platform Independent Open Caveats – Cisco IOS XE Fuji 16.9.6

There are no platform independent open caveats for this release.

Resolved Caveats – Cisco IOS XE Fuji 16.9.6

Caveat ID Number	Description
CSCvq07399	OBFL updation with valid time after NTP Sync in RTC failure case
CSCvt25458	MPLS TE is not coming UP when bandwidth configured on head end

Platform Independent Resolved Caveats – Cisco IOS XE Fuji 16.9.6

Caveat ID Number	Description
CSCvs18780	SR Labels not installed in forwarding plane when there are multiple sources for the prefix SID
CSCvs95815	C1111 telnet refused for link-local addresses when using ipv6 access class

Open Caveats – Cisco IOS XE Fuji 16.9.5f

Caveat ID Number	Description
CSCvn55871	T1 serial interface goes down with encapsulation mode as PPP with remote loopback config as iboc.
CSCvs64478	VTY configuration changes transport input protocols

Resolved Caveats – Cisco IOS XE Fuji 16.9.5f

Caveat ID Number	Description
CSCvr97004	ASR 920 VTY lines higher than 5 cannot be configured NVGEN
CSCvt21903	ASR 920 traffic drops observed with IPSec traffic

Open Caveats – Cisco IOS XE Fuji 16.9.5

Caveat ID Number	Description
CSCvn55871	T1 serial interface goes down with encapsulation mode as PPP with remote loopback config as iboc.
CSCvs64478	VTY configuration changes transport input protocols

Platform Independent Caveats – Cisco IOS XE Fuji 16.9.5

Caveat ID Number	Description
CSCvf02131	IP SLA can trigger crash when used with MPLS probe

Caveat ID Number	Description
CSCvm79556	MSPW VC is down after Switchover (Error Local access circuit is not ready for label advertise)
CSCvo55194	After RSP switchover label, imposition is not programmed in Software on APS standby router
CSCvo71904	The app-hosting fails with ip unnumbered configuration in Virtual PortGroup
CSCvp74674	QoS fails to apply to tunnel2 when underlying tunnel1 reachability change
CSCvp77521	Device-tracking tracking 0.0.0.0 mask is ignored after Legacy IPDT to SISF conversion
CSCvp81958	`No connections to Shell Manager available for processing the command` message is displayed
CSCvp91484	SDA Fabric Multicast - Unable to calculate RPF from LISP
CSCvq19669	Evaluation of all for TCP_SACK
CSCvq33994	BGP YANG oper address-family fails with vpnv4-unicast
CSCvq56114	Crash in IGMP code occurs due to invalid source count in DNS lookup
CSCvq58265	BGP PIC Repair path breaks after link flap
CSCvq69866	HSRPv2 crashes while retrieving group from received packet
CSCvq70148	BGP improperly formats the BGP ASSET attribute if ASSET attribute length is beyond 255
CSCvq76305	AutoRP listener functionality issue occurs
CSCvq78692	mGRE L3VPN is broken after reload
CSCvq89252	IP SLA for Path-Jitter returns a value that is not defined by the MIB
CSCvq96794	VPLS label misprogramming occur after RSP switchover
CSCvr05213	Smart licensing PID and SN logs fill up the IOSRP tracelogs
CSCvr05406	LISP map cache is not updated correctly after wired Host-mobility
CSCvr08740	Router crashes after receiving EVPN route-type 2 without any ext-community
CSCvr09014	IGP metric is not detected in MPLS TE topology
CSCvr10897	Adjacency SIDs are not detected in MPLS TE topology (interop issue)
CSCvr12450	LISP: Block adding SVI (anycast gateway) MAC address to LISP ethernet database after SVI reconfiguration is noticed
CSCvr18919	Upon redundancy failover, route is purged on downstream device
CSCvr23104	BGP looped update among 3 peers

Caveat ID Number	Description
CSCvr27393	Crash on BGP Router process
CSCvr37065	C9200L kernel jumbo packets
CSCvr39868	Unexpected reload when issuing **show ip mroute vrf** *vrf* command
CSCvr40112	Removing pseudowire-class for 1 peer makes all the peers fail
CSCvr54031	TBs seen with scaled IP SLA configurations with **ip sla reset** command
CSCvr59231	PNP fails with Dual Supervisor with non default startup vlan
CSCvs02038	BGP Loss of RPKI Table
CSCvs15811	CBR 8/L2VPN : Toggle of PW-Status-TLV causes Backup PW to remain DOWN

Resolved Caveats – Cisco IOS XE Fuji 16.9.5

Caveat ID Number	Description
CSCvr61371	BFD remains down when using PBR on BDI interface
CSCvs10797	Ingress QOS marking is corrupted for L3VPN traffic with egress QoS policy that matches `mpls exp` on router.

Open Caveats – Cisco IOS XE Fuji 16.9.4c

There are no new open caveats in this release.

Resolved Caveats – Cisco IOS XE Fuji 16.9.4c

There are no new resolved caveats in this release.

Open Caveats – Cisco IOS XE Fuji 16.9.4

Caveat ID Number	Description
CSCvo19770	Router crashes at hashtable_get_nth_entry
CSCvp24919	ToD UBX Format - Incorrect header and checksum calculation are noticed
CSCvq01602	After IPv6 nd cache expires, transit traffic fails when ECMP is performed

Caveat ID Number	Description
CSCvs10797	Ingress QOS marking corrupted for L3VPN traffic with egress qos policy matching MPLS EXP on router

Resolved Caveats – Cisco IOS XE Fuji 16.9.4

Caveat ID Number	Description
CSCvm06775	ATOM CW is not exchanged after node reload
CSCvm46312	ASR920: CFM remote endpoint with backup pseudowire points to primary peer IP in HSPW
CSCvn01354	ICMP echo probe is successful when the source interface does not have the IP address
CSCvo21122	Memory leak is observed at hman process
CSCvo35275	ASR-920:MVPN: Unable to pass high MTU multicast packets-MDT-MTU
CSCvo41879	Interface is not joined to mcast map-notify after reload
CSCvo62584	DHCP discover packets are dropped at firewall since UDP source port is set as 0
CSCvo67856	The in.telnetd process consumes 100% CPU in show process
CSCvo90060	Wrong label programming leads to traffic drop
CSCvo90231	Spurious accesses are seen in show alignment output with BGP
CSCvp67001	ASR920 CSDL: Cisco ASR-920-12SZ-IM Secure FPGA
CSCvp86314	ASR920 CSDL Secure FPGA
CSCvp86329	ASR920 CSDL : Cisco ASR-920-24TZ-M, Cisco ASR-920-24SZ-M, Cisco ASR-920-24SZ-IM secure FPGA
CSCvp71303	Router crashes when **tod-clock revertive** command is executed
CSCvp78236	Router crashes during SNMP configuration, ospfv3_pdb_from_router_info
CSCvn88301	MPLS trace-route shows pre-mature termination of LSP

Open Caveats – Cisco IOS XE Fuji 16.9.3

Caveat ID Number	Description
CSCvj32802	Tunnel stats are not working after FRR cutover
CSCvm76770	Unpredictable asymmetry on T1/E1 IM

Caveat ID Number	Description
CSCvn99716	C3794 controller displays down state with traffic flow
CSCvp34829	Portchannel 61-64 is not supported in 16.9.3

Platform Independent Open Caveats - Cisco IOS XE Fuji 16.9.3

Caveat ID Number	Description
CSCvk34062	LLDP TX not working on few ports after the router is reloaded

Resolved Caveats – Cisco IOS XE Fuji 16.9.3

Caveat ID Number	Description
CSCvk72044	Router crash seen in soak run on previous image
CSCvn49741	ASR920 cylon_mgr crash.
CSCvn64973	A900-IMA4OS module reload with controller mode change
CSCvo07619	ASR920-BDI IPv6 ping failure_FMFP_OBJ_Download_Failure
CSCvo65688	QIP-TOD flaps in Cisco ASR-920-12SZ-IM and ASR-920U-12SZ-IM (master) when setup is left overnight
CSCvn07765	On upgrading the node using ISSU from an image where we have the issue outlined in CSCvn07765 to an image having the fix we expect the CU SFP ports to go down after ISSU completion. Workaround to get the ports up again is to flap the ports once.
CSCvo07619	BDI IPv6 ping failure_FMFP_OBJ_Download_Failure
CSCvm87765	Ping failed and interface came up or is up on ZR with local fault detected.
CSCvn41030	One of the instances in G.8032 close ring stuck in protection state post reload
CSCvn51720	Node resets with router crash
CSCvm38588	SD card issues : Timeout waiting for hardware interrupt.

Platform Independent Resolved Caveats - Cisco IOS XE Fuji 16.9.3

Caveat ID Number	Description
CSCvm67074	IS-IS Node Cache may consume excessive CPU
CSCvm68200	OBS: router bgp af network mask does not sync to CBD on reload/full-sync
CSCvn00184	IOS-XE can not build SR-TE towards SR node without mpls-te enabled
CSCvn25081	Cisco-IOS-XE-bgp YANG model needs proper handling for **neighbor <ip> activate** command with peer-groups
CSCvn69452	in.telnetd process consumes 100% CPU in show process cpu platform sorted

Open Caveats – Cisco IOS XE Fuji 16.9.2

Caveat ID Number	Description
CSCvi91056	ALARM_SYNC_FAIL alarm seen with slave Phase Aligned and sync packets are incrementing <167>
CSCvj86475	Time-stamp engine stats are very slow and it is not showing at right port.
CSCvk73179	TDM traffic in priority queue affected with 9,000 bytes size packet of transit data traffic
CSCvm21736	The negotiation auto configuration gets removed from dual rate ports post node Hard reset/Power cycle
CSCvm41478	Last reload reason seen as "Reload command" after upgrade to V169 from 316.7 CCO
CSCvm84084	SVSP-279 - NCS4202 EVC egress policy shows drop rate counters as 0
CSCvm05115	High reconvergence of 2 seconds in case of local failover recovery on hot-spring
CSCvm16466	Ping fail over EVC Local Connect circuit (arp request getting dropped)
CSCvm97580	On shutting backup ABR, traffic drops observed for 6PE over primary ABR drops
CSCvk77003	One VLAN traffic is not flowing in scaling BCPoMLPPP with 64 VLANs
CSCvm08992	E1 interfaces go DOWN on remote alarm (RDI)

Platform Independent Open Caveats - Cisco IOS XE Fuji 16.9.2

Caveat ID Number	Description
CSCvj17588	Router may reload in **BGP Router** process when interface flap occurs with IPv6 MPLS per vrf routes
CSCvk59169	Strict SID has NOT been enabled in ISIS segment-routing
CSCvm52543	Subscriber session hangs after the upgrade and reload
CSCvm59483	Host crashes the DSP if ipv6 commands are configured under Service-Engine [Purge ipv6 config option]
CSCvm61279	Crash under AFW_application_process with shared-line configuration
CSCvm76590	CUBE does not forward 200 OK in SRTP-RTP scenario with TCL script on Dial-peer
CSCvm76699	TCP closed when using Virtual IP HA(high availability)setup with WSAPI registration
CSCvn01507	ISR not recalcluating the hash value correctly after payload change
CSCvn02047	Configuring more than 5k NAT entries cause high CPU utilization with no traffic.

Resolved Caveats – Cisco IOS XE Fuji 16.9.2

Caveat ID Number	Description
CSCvi92792	Clock class showing 248 on changing clock class of master **show ptp port running**
CSCvj69014	Interface flap issues in ASR920 register in ES5
CSCvj76129	Cisco ASR-920-12SZ-A and Cisco ASR-920-12SZ-D: license status not shown for 1588 feature
CSCvk05865	AIS: box crashed at zl303xx_AprRemoveServer
CSCvk07103	Cisco ASR-920-12SZ-A and Cisco ASR-920-12SZ-D: REFSYNC pair is not getting removed while moving from 75.1 Master to default BC
CSCvk28844	HS1: Kernel MMI Read Crash on Enabling IP SLA and PTP
CSCvk73145	Cisco ASR-920-12SZ-A and Cisco ASR-920-12SZ-D: PTP flap between PHASE ALIGNED and FREQUENCY LOCK with 9,000 bytes data packets in transit
CSCvj76560	BFD DDR BUSY condition not recovered
CSCvk07069	OBFL logging for SBE/MBE FPGA interrupts
CSCvk62834	Router crash seen in previous soak run

Caveat ID Number	Description
CSCvk00584	Ethernet SLA tracking not working for Xconnect UP mep sessions (DMM/1DMM)
CSCvh67635	Onboard option missing for show logging CLI
CSCvj70711	BFD flap during DDR3 Busy recovery
CSCvk45460	MLDP:Router crashed after breaking the core link with recursive enabled
CSCvm21116	RP-reset when **show pla har pp act** commd is executed for the failed object after EMPLSintd exhaust
CSCvi91527	8xT1E1 Adaptive Clock Recovery in UNKNOWN status
CSCvj22030	ACR fails with -/+ 50 ppm tolerance
CSCvk23983	DATAINCONSISTENCY observed with VFI and XCONNECT configuration during reload

Platform Independent Open Caveats - Cisco IOS XE Fuji 16.9.2

Caveat ID Number	Description
CSCuz14861	IOS-XE Fails to correctly populate RTCP SSRC Field
CSCvf65079	ASR CUBE 1K reloaded with reason: RG-application reload on voice-b2bha RG
CSCvj16209	CME with external SIP trunk registration results into crash
CSCvj24940	Voice VRF with No Bind OPTIONS Ping response not sent
CSCvj25678	Crash after failing to modify xcode
CSCvj27172	Crash during Generic Call Filter Module cleanup
CSCvj43156	Crash in XDR process: "fib_rp_table_broker_encode_buf.size <= FIB_RP_TABLE_BROKER_ENC_BUF_SZ"
CSCvj50005	ISR4K PPE ucode crash when processing ipsec traffic on CWS tunnel
CSCvj69654	OSPF originates default route without "default-information originate"
CSCvj73544	OSPF routing loop for external route with multiple VLINKs/ABRs
CSCvj88138	VASI NAT: FTP ALG translation is sometimes failed
CSCvj91448	PKI:-IP address parsing issue while printing the subject name if classless IP is used in Trustpoint
CSCvj92548	CSR1k-FlexVPN: Spoke to Spoke: Implicit NHRP entry due to expired resolution request handling.

Caveat ID Number	Description
CSCvj92862	Router returns 255 length byte-stream chars instead of actual length for OSPFV2 Key-string
CSCvj95351	OSPF SR uloop : After issuing **clear ip ospf process** OSPF process crashed.
CSCvk00446	BGP high CPU when config 256k vxlan static route
CSCvk02072	Hoot-n-holler multicast traffic marked with DSCP 0
CSCvk07838	CUBE is using wrong source IP address to send SIP error
CSCvk10633	BGP crash while running show command and same time BGP peer reset
CSCvk12152	Unable to remove command **ip nat inside destination**
CSCvk15062	Modification to ZBFW access-lists do not reflect in TCAM
CSCvk17777	When using VRF NAT port used for ftp data is not freed
CSCvk24323	Router crash in ISIS with SR Ti-LFA
CSCvk27007	MGCP status remains Down after IOS upgrade caused by CSCvh70570
CSCvk37875	High Availability system with two Voice Gateways - Crash
CSCvk49905	Crash when shifting the layer 2 LACP member peer from one link to another
CSCvk53405	Router crash - AFW_application_process
CSCvk56331	Initial contact in IKEv1 phase 2 rekey (QM1) causes all crypto sessions to drop
CSCvk60184	Random crash of data plane with SRTP-SRTP / SRTP-RTP load tests
CSCvk65072	Crash due ZBF + NAT
CSCvk65354	Extension Mobility Not working when used with Greek locale on SIP CME
CSCvk66880	CUBE incorrectly fomats SIP SDP
CSCvk69075	No calls shown in output **show call active voice brief** on CUBE & stale entries are present
CSCvk69093	CUBE is not responding to SIP INFO
CSCvm01351	Observed IPv6 Adj memory leaks
CSCvm02627	Incorrect Contact port 5060 used instead of 5061 by CUBE in **302 Moved Temporarily** message
CSCvm03744	%FMFP-3-OBJ_DWNLD_TO_DP_FAILED:fman_fp_image:xxx" appears when configured **ip port-map** on Router
CSCvm06270	ICMP unrechables are not sent to the client on C1117 platform

Caveat ID Number	Description
CSCvm08571	Rework need on CSCvj59170 to support SDP parsing
CSCvm16619	CPP-mcplo-ucode crash while encrypting SIP packets with ALG NAT for SIP
CSCvm53491	SIP CME Crashes when Calling Shared Line
CSCvm56592	CME/BE4K: Corrupted config file for Auto Registered IP Phones after reload
CSCvm56670	ACL dropping packets after updating it - %CPPEXMEM-3-NOMEM
CSCvm66103	Crash due to communication failure - IPC (Inter-Procedure Call) messages between DSP and RP.

Open Caveats – Cisco IOS XE Fuji 16.9.1a

Caveat ID Number	Description
CSCvg00947	Serial IM LEDs shows inconsistent behavior while performing SSO
CSCvg66190	IOT: A900-IMASER14A/S disconnected clients are not sending any notification
CSCvh51488	RS232 A900-IMASER14A/S, when continous traffic is sent without interframe gap, RX<TX with end to end traffic
CSCvh83686	BGP Link Bandwidth community gets corrupted for a large values
CSCvi11914	BGP PIC/Max-paths:150K scale device stuck with pending issues for huge time with network changes
CSCvi12438	Media-info,status, oper-config fields wrong in port phy status command
CSCvi72770	Unpredictable asymmetry across the port on C37.94 IM
CSCvi84049	Attaching E1 serial interface with multilink group failed
CSCvi90526	OSPF TILFA: SRLG protect tilfa path computation ALGORITHM fails due to wrong directly connected flag
CSCvi91056	ALARM_SYNC_FAIL alarm seen with slave Phase Aligned and sync packets are incrementing
CSCvi91527	8xT1E1 Adaptive Clock Recovery in UNKNOWN status
CSCvi92792	Clock class showing 248 on changing clock class of master **show ptp port running**
CSCvi92837	CLI **show ptp port running** showing 187 clock class and its own clock identity
CSCvi92979	ISIS SRTE: verbatim tunnels stay UP even if the IGP is shut (happens after fail over)
CSCvj02225	RS232 A900-IMASER14A/S failing due to punt issue in datapath

Caveat ID Number	Description
CSCvj05503	Channelized T3 function is setting DS2 X bits to 0 for normal condition
CSCvj09305	Slow convergence when configuring ha-mode sso for IPv6 peers
CSCvj10061	Display full IPv6 address in **sh l2tp tunnel**
CSCvj11220	UDLD Err Disable (Admin down) observed on migration from customer v155 to v166 label .
CSCvj16369	Alarm is not asserted when we do no mode and mode on vt1.5 and ct3 with alarm injected (arrive)
CSCvj22030	ACR fails with -/+ 50 ppm tolerance
CSCvj24884	Traceback seen while loading image in Active and standby
CSCvj35317	Ti-LFA Repair Path is not Loop-Free
CSCvj35547	2 way time error drifts 1 us in just 15-20 minutes after locking 23 hours to PL
CSCvj40597	**show ptp port** running and detail showing incorrect clock IDS.
CSCvj41841	MPLS TTL decremented during PHP process on ASR920
CSCvj49266	Rx getting dropped at Master after losing its 10M input.
CSCvj60860	RS232 A900-IMASER14A/S serial interface output stats are not incr and no end to end traffic.
CSCvj67071	RS232 A900-IMASER14A/S line and pattern issues in Albedo with different data/stop bits.
CSCvj70563	Higher latency with E&M traffic
CSCvj72171	PPPoE packets (PADI PADO PADR PADS PADT) counters are not getting incremented after SSO
CSCvj73841	Overly aggressive initial SPF delay timer is configured SR uloop does not take effect
CSCvj74325	X.21: Serial IM flaps/hangs when CEM interface allows to config clock rates 4032000 and 8064000.
CSCvj78075	SAP: YANG: Yang model for arp entries is missing arp alias support
CSCvj81382	IPv6 AAA Prefix Support for 3rd party PPP clients no password for -dhcpv6 Access-Request
CSCvj82372	CPUHOG observed when rs232 A900-IMASER14A/S config and unconfig on ASR920.
CSCvj82885	IOS thread disabled interrupt Tracebacks seen with r232 A900-IMASER14A/S session
CSCvj84567	RS232: multiple session establishment failures leads to event memory exhaustion in clients

Caveat ID Number	Description
CSCvj84662	ENM IM: Frame and Pattern errors see with Type TO in default operation mode(2-wire).
CSCvj85608	ARP reply not accepted if sourced from nat alias address in other VRFs
CSCvj86932	X21: CEM ingress and Egress counters are not incrementing for different clock rates.
CSCvj88449	VCoP BERT test to a physical loop
CSCvj89265	IOT: Issue with duplex mode while creating RS422 Service
CSCvj93060	VRF stuck in deletion mode
CSCvj99066	Mgmt Port Duplex(right) LED is off even port in duplex full state
CSCvk00980	Router crashed while configuring A900-IMASER14A/S raw-tcp service post OIR.
CSCvk23646	RS232 - traffic fails with parity values except default
CSCvk23733	RS232 A900-IMASER14A/S: Pattern(SLIP) issues seen with higher raw-socket packet-length values(>510)
CSCvk24323	ASR920 crash in ISIS with SR Ti-LFA
CSCvk30191	RS232 A900-IMASER14A/S: IM rebooted and IFCFG_CMD_TIMEOUT traces seen with OIR.
CSCvk31981	RS232 A900-IMASER14A/S: raw TCP sessions are up even tough cable is not connected.
CSCvk32822	QoS stats process crash
CSCvk14279	Netflow FPGA upgrade leading to kernel crash and box hang with version 02.
CSCvk14335	LMM counters are not getting updated by SSFP - UP/DOWN direction
CSCvk28844	Kernel MMI Read Crash on Enabling IP SLA and PTP
CSCvk32072	Down MEP SLA status showing as 0
CSCvk56760	10M remains in lock state and REF remains OK even after cable pull
CSCvk60607	kernel crash on soak with mac learning /clear
CSCvk49930	GNSS LED behaviour is not as per the specifications
CSCve01696	Support IPsec feature with metro IP access license.

Resolved Caveats – Cisco IOS XE Fuji 16.9.1a

Caveat ID Number	Description
CSCuy30367	ENH: IOS-XE should allow **ip address dhcp** on Tunnel interfaces
CSCvd81332	EVENTLIB-3-CPUHOG: SIP1: iomd traceback observed while doing SSO
CSCve05859	Exxx EIN: G.8275.1 testing: Clock loop forming between synce and ptp
CSCve16000	Max of ECMP path to 8
CSCve57194	Crashes @ fillin_mempool_pc_array, mempool_pc_summary_tty
CSCve75491	TE auto-bw: Incorrect bandwidth requested on soaking with traffic
CSCvf05560	Conditional EXP Marking for BDI+EVC
CSCvf45581	QoS: Configuration failed. Can not configure more than one access-group per class
CSCvf50635	Dynamic stream are getting deleted on ASR920 router with G8275.2 profile with Timing THS
CSCvf66442	MPLS IP support over Routed VPLS.
CSCvf67781	IOT: In SERIAL controllers, the clock-rate value 128000 is not shown in **show running-config all**
CSCvf72306	Placeholder to support multiple EFPs per port with BDI
CSCvf80056	MAC-FLAP-Syslog-Not generated for TEFP BDs
CSCvf82663	Router crashed at dl_callback
CSCvf90662	configuration of A900-IMASER14A/S replacement with CEM configuration blocks all configurations on interface
CSCvf90832	UTC Offset is NOT taken care properly when VP is selected.
CSCvf90854	configured priority2 under ptp clock is not sent downstream when T- BC selected VP
CSCvf91208	Unable to retrieve stream with G8275.2 profile ASR920 Timing THS
CSCvf96793	DS3 VCOP AIS raised for J1 byte mismatch
CSCvg01156	G275.2 Huge TIE jump seen on slave after reload completes on master
CSCvg04717	DDR Busy and Calibration handling in FPGA software driver
CSCvg06691	G8265.1: huge TIE deviation while master is lost and regained continuously.
CSCvg08224	G8265.1: PTP flaps between HOLDOVER and LOCKED with 64/64 packet rate and HOTSTANDBY

Caveat ID Number	Description
CSCvg14825	Require varbind entSensorPrecision,Scale & Type along with trap entSensorThresholdNotification
CSCvg21913	AMS port netsync is not up on reload
CSCvg23956	VPLS Backup PW: Enable member bdi CLI under l2vpn xconnect context
CSCvg25003	Router gets rebooted with PTP master switch
CSCvg28721	Uea-mgr crashed while trying to install a label entry in kbp(update case)
CSCvg38326	To throw warning and reject the priority configuration in class-default
CSCvg42691	P node ECMP loadbalancing failing for ip traffic
CSCvg51358	DHCPNAK is not sent in roaming scenario.
CSCvg65763	TOD cisco format was broken.
CSCvg66293	IOT: Admin and Oper state of C37.94 controller are not proper in SNMP IfTable
CSCvh04843	G.8275.1: Unable to scale the number of ports beyond 8.
CSCvh14208	920-TDM-OCX : Automatic EEPROM Update required
CSCvh41614	IoT[T1E1 CAS]: CEM counters are getting zero after delete/recreate cem-group with CAS
CSCvh57050	IGMP multicast SSM-map with DNS doesn't work with IGMPv3
CSCvh57360	Traceback seen in ASR920 TDM THS tb
CSCvh60871	Unexpected Reboot following 'show platform software adjacency oce [ID]'
CSCvh61453	NULL remote_hostname from LAC
CSCvh67138	RS232 when **no chan-group** is done sessions are not getting removed
CSCvh69518	%SYS-3-TIMERNEG:Cannot start timer with negative offset Process= **ARP Background**
CSCvi31493	Configuration of BGP auto-summary using NETCONF fails
CSCvi36351	standby rp crash on removing member link from port-channel
CSCvi60900	DHCP Leasequery Padding contains previously used data
CSCvi79409	ENM flaps/hangs on configuring CEM interface
CSCvi80618	G.8265.1- SYNC and Delay Request are not being injected at ASR920 with VRF.
CSCvi95085	PTP Holdover Timer resets to zero as soon as QL Flap in the event of double failure
CSCvi97136	Stream is still active though the clock port deleted at master.

Caveat ID Number	Description
CSCvi97402	Conditional marking not working for new policy-map when all 3 marker profile are used
CSCvj02290	RS232: router reloads when traffic is sent in both directions simultaneously
CSCvj04138	**show ptp port** virtual showing Signal Fail as True eventhough the port is up
CSCvj04207	PTP over IMA8Z and IMA2Z is not working
CSCvj06628	With HSRP Loop ,Unicast ARP Packet drops due to Br Q choke
CSCvj28545	RS422 service is not working on ports 0 to 3
CSCvj39051	Default clock class 6 without input 1pps config
CSCvj39606	AG1 CLI command **show ptp port running detail** not showing output
CSCvj40006	Adding one more VLAN tag to the existing service instance causing entire traffic to drop
CSCvj43887	Type TO is not working for different payload sizes
CSCvj53263	IOT: Issue with A900-IMASER14A/S Packet length default value
CSCvj63480	RS232 A900-IMASER14A/S: IOSXE-WATCHDOG - Router crashed while performing OIR
CSCvj65555	G8275: Clock class value is 6 even when TOD is removed in TGM
CSCvj67071	RS232 A900-IMASER14A/S: line and pattern issues in Albedo with different data/stop bits.
CSCvj69889	Memory leaks seen when sync RS232 A900-IMASER14A/S service is unconfigured and re-configured
CSCvj70809	%SPA_SERIAL_IM-3-NULL_DATA_STRUCTURE: NULL pointer detected: msg in set destination address
CSCvj85141	Policy-map on Multilink interface interrupts ARP
CSCvj87392	DHCP server with option 249 pushes only the routes confiugred in the first instance.
CSCvj89265	IOT: Issue with duplex mode while creating RS422 Service
CSCvk20144	Not able to see the physical-layer configuration under **show run** command
CSCvk32660	EM IM: Dejitter Buffer Not Taking Effect on IM or Router Bootup
CSCve01696	Support IPsec feature with metro IP access license
CSCvf45581	QoS: Configuration failed. Cannot configure more than one access-group per class
CSCvh55384	Need to accept user configurable 4-Wire E and M CEM payload and dejitter buffer values