

Release Notes for Cisco CSR 1000v Series, Cisco IOS XE Everest 16.6

First Published: 2017-07-27

Last Modified: 2019-04-12

Cisco CSR 1000v Series Cloud Services Routers Overview



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Virtual Router

The Cisco Cloud Services Router 1000V (CSR 1000V) is a cloud-based virtual router that is intended for deployment in cloud and virtual data centers. This router is optimized to serve as a single-tenant or a multitenant WAN gateway.

When you deploy a CSR 1000V instance on a VM, the Cisco IOS XE software functions as if it were deployed on a traditional Cisco hardware platform. You can configure different features depending on the Cisco IOS XE software image.

Secure Connectivity

CSR 1000V provides secure connectivity from an enterprise network such as a branch office or a data center, to a public or a private cloud.

Technologies Supported by a Platform

A platform's product landing page lists technology configuration guides for Cisco IOS XE technologies that the platform supports.

In each technology configuration guide, a Feature Information table indicates when a feature was introduced to the technology. For some features, the table also indicates when additional platforms have added support for the feature.

To determine whether a particular platform supports a technology, view the list of technology configuration guides posted on the platform's product landing page. For example, see [Cisco Cloud Services Router 1000v Series](#).

System Requirements

Hardware Requirements

For hardware requirements and installation instructions, see the [Cisco CSR 1000v Series Cloud Services Router Software Configuration Guide](#).

Software Images and Licenses

The following sections describe the licensing and software images for CSR 1000V.

Cisco Smart Licensing

The Cisco CSR 1000V router supports Cisco Smart Licensing. To use Cisco Smart Licensing, you must first configure the Call Home feature and obtain the Cisco Smart Call Home Services. For more information, see [Installing CSR 1000V Licenses](#) and [Smart Licensing Guide for Access and Edge Routers](#).

For a more detailed overview on Cisco Licensing, go to <https://cisco.com/go/licensingguide>.

Cisco CSR 1000v Evaluation Licenses

Evaluation license availability depends on the software version:

- Evaluation licenses valid for 60 days are available at the Cisco Software Licensing (CSL) portal: <http://www.cisco.com/go/license>

The following evaluation licenses are available:

- IPBASE technology package license with 10 Gbps maximum throughput
- SEC technology package license with 5 Gbps maximum throughput
- APPX technology package license with 5 Gbps maximum throughput
- AX technology package license with 2.5 Gbps maximum throughput

If you need an evaluation license for the Security technology package, or for an AX technology package with higher throughput, contact your Cisco service representative.

For instructions on obtaining and installing evaluation licenses, see the “Installing CSL Evaluation Licenses for Cisco IOS XE 3.13S and Later” section of the [Cisco CSR 1000v Software Configuration Guide](#).

Cisco CSR 1000v Software Licenses

Cisco CSR 1000v software licenses are divided into feature set licenses. The supported feature licenses depend on the release.

Current License Types

The following are the license types that are supported (Cisco IOS XE Everest 16.4.1 or later):

- IPBase: Basic Networking Routing (Routing, HSRP, NAT, ACL, VRF, GRE, QoS)

- Security: IPBase package + Security features (IP Security VPN, Firewall, MPLS, Multicast)
- AX: IPBase package + Security features + Advanced Networking features (AppNav, AVC, OTV and LISP)
- APPX Package: IPBase package + Advanced Networking features - Security features (IP security features not supported)

Legacy License Types

The three legacy technology packages - Standard, Advanced, and Premium - were replaced in the Cisco IOS XE Release 3.13 with the **IPBase**, **Security**, and **AX** technology packages.

Features Supported by License Packages

For more information about the Cisco IOS XE technologies supported in the feature set packages, see the overview chapter of the [Cisco CSR 1000v Series Cloud Services Router Software Configuration Guide](#).

Throughput

The Cisco CSR 1000v router provides both perpetual licenses and term subscription licenses that support the feature set packages for the following maximum throughput levels:

- 10 Mbps
- 50 Mbps
- 100 Mbps
- 250 Mbps
- 500 Mbps
- 1 Gbps
- 2.5 Gbps
- 5 Gbps
- 10 Gbps

The throughput levels are supported for different feature set packages in each version. For more information about how the maximum throughput levels are regulated on the router, see the [Cisco CSR 1000v Cloud Services Router Software Configuration Guide](#).

Memory Upgrade

A memory upgrade license is available to add memory to the Cisco CSR 1000v router (Cisco IOS XE 3.11S or later). This license is available only for selected technology packages.

Additional Information about Licenses and Activation

For more information about each software license, including part numbers, see the [Cisco CSR 1000v Router Datasheet](#). For more information about the standard Cisco IOS XE software activation procedure, see the [Software Activation Configuration Guide, Cisco IOS XE Release 3S](#).

Software Image Nomenclature for OVA, ISO, and QCOW2 Installation Files

The Cisco CSR 1000v installation file nomenclature indicates properties supported by the router in a given release.

For example, these are filename examples for the Cisco IOS XE Everest 16.4.1 release:

- csr1000v-universalk9.16.04.01.ova
- csr1000v-universalk9.16.04.01.iso
- csr1000v-universalk9.16.04.01.qcow2

The filename attributes are listed below, along with the release properties.

Table 1: OVA Installation Filename Attributes

Filename Attribute	Properties
Example:universalk9	Installed image package.
03.09.00a.S.153-2.S0a	Indicates that the software image is for the Cisco IOS XE 3.9.0aS release image (mapped to the Cisco IOS 15.3(2) release).
std or ext	Standard release or extended maintenance support release.

Features and Notes: Cisco IOS XE Everest 16.6

Features

Features—Cisco IOS XE Everest 16.6.2

The following software feature is supported on the Cisco CSR 1000v for Cisco IOS XE Everest 16.6.2.

Encrypted Traffic Analytics

For detailed information, see the following Cisco documents:

<https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/netflow/configuration/xe-16-6/nf-xe-16-6-book/encrypted-traffic-analytics.html>

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Campus/CVD-Encrypted-Traffic-Analytics-Deployment-Guide-2017DEC.pdf>

Features—Cisco IOS XE Everest 16.6.1

The following software features were introduced on the Cisco CSR 1000v for Cisco IOS XE Everest 16.6.1.

BGP - SR: BGP Prefix SID Redistribution

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/seg_routing/configuration/xe-16-6/segrrt-xe-16-6-book/sr-bgp-prefix-sid-redis.html

BGP Feature Monitoring

Effective with Cisco IOS XE Everest 16.6.1, the Cisco IOS XE YANG models are supported for Border Gateway Protocol (BGP).

ISIS - SR OAM: ISIS FEC

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/seg_routing/configuration/xe-16/segrt-xe-16-book/oam-entropy-label-support.html

ISIS - SR: uLoop Avoidance

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/seg_routing/configuration/xe-16-6/segrt-xe-16-6-book/sr-is-is-uloop-avoidance.html

NAT-Serviceability

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipaddr_nat/configuration/xe-16-6/nat-xe-16-6-book.html

OSPFv2: SR-OAM LSP Support

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/seg_routing/configuration/xe-16/segrt-xe-16-book/oam-entropy-label-support.html

PBR Named Ordering Rules Support for Yang

For detailed information, see the following Cisco document:

http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_pi/configuration/xe-16-6/iri-xe-16-6-book/iri-iprouting.html

PfRv3 Remote Prefix Tracking

For detailed information, see the following Cisco document:

<http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/pfrv3/configuration/xe-16-6/pfrv3-xe-16-6-book/pfrv3-remote-prefix.html>

PfRv3 Per Interface Probe Tuning

For detailed information, see the following Cisco document:

<http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/pfrv3/configuration/xe-16-6/pfrv3-xe-16-6-book/pfrv3-int-probe.html>

PfRv3-Inter-DC-Optimization

For detailed information, see the following Cisco document:

<https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/pfrv3/configuration/xe-16-6/pfrv3-xe-16-6-book/pfrv3-inter-dc.html>

SCP Performance Improvement

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_usr_ssh/configuration/xe-16-6/sec-usr-ssh-xe-16-6-book.html

SD-AVC Auto-update Capability

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/qos_nbar/configuration/xe-16-6/qos-nbar-xe-16-6-book.html

SD-AVC NBAR Export Capability

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/qos_nbar/configuration/xe-16-6/qos-nbar-xe-16-6-book.html

SR:OAMIGPFEC, BGP FEC

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/seg_routing/configuration/xe-16-6/seg-rt-xe-16-6-book.html

SXP Enhancements for Filtering (IP prefix and SGT) and Fail-open

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_usr_cts/configuration/xe-16-6/sec-usr-cts-xe-16-6-book/sec-usr-cts-xe-16-6-book_chapter_01100.html

Web User Interface

Supports an embedded GUI-based device-management tool that provides the ability to provision the router, simplify device deployment and manageability, and enhanced user experience. The following features are supported on the Web User Interface from Cisco IOS XE Everest 16.6.1:

Dynamic Multipoint VPN—The Dynamic Multipoint VPN feature allows users to better scale large and small IP Security (IPsec) Virtual Private Networks (VPNs) by combining generic routing encapsulation (GRE) tunnels, IPsec encryption, and Next Hop Resolution Protocol (NHRP).

Snort IPS/IDS—The Snort IPS feature enables Intrusion Prevention System (IPS) or Intrusion Detection System (IDS) for branch offices on Cisco 4000 Series Integrated Services Routers and Cisco Cloud Services Router 1000v Series. This feature uses the open source Snort solution to enable IPS and IDS.

Zone-Based Firewall—Allows you to easily manage Cisco IOS unidirectional firewall policy between groups of interfaces known as zones.

HTTPS: UC Gateway Services API

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucme/CUCIS_API/CUCIS_API_Guide.html

SSL VPN

Effective with Cisco IOS XE Everest 16.6.1, the command **sslvpn use-pd** has been introduced to enable the PD (platform dependent) solution for SSL VPN on the Cisco Cloud Services Router 1000v Series.

RESTCONF Programmability Interface

For detailed information, see the following Cisco document:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/restconf_prog_int.html

Transit VPC using AWS

The Transit VPC design in the Amazon Web Services (AWS) marketplace uses multiple instances of the Cisco CSR 1000v. The Transit VPC design provides secure transit routing between spoke Virtual Private Clouds (VPCs) and the public internet or private data center.

For detailed information, see the following Cisco document: [Transit Virtual Private Cloud Deployment Guide using Cisco CSR 1000v for Amazon Web Services](#)

Notes

The following section includes important notes about Cisco CSR 1000v routers for Cisco IOS XE Everest 16.6.

3DES and AES-CBC Ciphers Disabled

(Cisco IOS XE Everest 16.6.1 or higher) For SSH, the cipher Triple Data Encryption Standard (3DES) and AES Cipher Block Chaining (AES-CBC) ciphers are now disabled by default. We recommend that you use the later Advanced Encryption Standard Counter Mode (AES-CTR) ciphers instead.

If you are using 3DES or AES-CBC ciphers; for example, in SSH client software, the network administrator must change the ciphers to be one of the AES-CTR ciphers used in 16.6.1; that is: `aes128-ctr`, `aes192-ctr`, and `aes256-ctr`.

The following example command defines the ciphers/encryption algorithms to be used by the SSH server and client:

```
ip ssh client algorithm encryption aes128-ctr aes192-ctr aes256-ctr
```

For more information on SSH encryption algorithms, see: [SSH Algorithms for Common Criteria Certification](#).

Deferrals

Cisco IOS software images are subject to deferral. We recommend that you view the deferral notices at the following location to determine whether your software release is affected:

<https://tools.cisco.com/security/center/publicationListing.x>

Field Notices

- Field Notices—We recommend that you view the field notices to determine whether your software or hardware platforms are affected. You can find the field notices at the following location:

<http://www.cisco.com/c/en/us/support/web/tsd-products-field-notice-summary.html>

Licensing

In Cisco IOS XE Everest 16.6.1, Bidirectional Forwarding Detection (BFD) is included in the IP Base license.

Limitations and Restrictions in Cisco IOS XE Everest 16.6

There are no new limitations and restrictions in Cisco IOS XE Everest 16.6

Caveats

Overview

Caveats, or “bugs,” describe unexpected behavior. Severity 1 caveats are the most serious. Severity 2 caveats are less serious. Severity 3 caveats are moderate caveats. This section includes severity 1, severity 2, and selected severity 3 caveats.

Terminology

The Dictionary of Internetworking Terms and Acronyms contains definitions of acronyms that are not defined in this document:

[http://docwiki.cisco.com/wiki/Category:Internetworking_Terms_and_Acronyms_\(ITA\)](http://docwiki.cisco.com/wiki/Category:Internetworking_Terms_and_Acronyms_(ITA))

Bug Search Tool

If you have an account on Cisco.com, you can also use the Bug Search Tool (BST) to find select caveats of any severity. To reach the Bug Search Tool, log into Cisco.com and go to <https://tools.cisco.com/bugsearch/search>.

If a defect that you have requested cannot be displayed, it may be because the defect number does not exist or the defect does not have a description available.

You can use the [Bug Search Tool](https://tools.cisco.com/bugsearch/search) to view new and updated caveats: <https://tools.cisco.com/bugsearch/search>.

For Best Bug Search Tool Results

For best results when using the Bug Search Tool:

- In the **Product** field, enter Cloud Services Router.
- In the **Releases** field, enter one or more Cisco IOS XE releases of interest. The search results include caveats related to any of the releases entered in this field.

The tool provides autofill while you type in these fields to assist in entering valid values.

A search using release number **16.6** should find the caveats for Cisco IOS XE Everest 16.6.1.

Field Notices

We recommend that you view the field notices for the current release to determine whether your software or hardware platforms are affected. You can access the field notices from the following location:

http://www.cisco.com/c/en/US/support/tsd_products_field_notice_summary.html

Caveats: Cisco IOS XE Everest 16.6.1**Open Caveats—Cisco IOS XE Everest 16.6.1**

Caveat	Description
CSCve69764	"default interface <name>" config command reports different vty then actually executed the command
CSCve29602	CDB doesn't sync after OIR of slot/subslot components
CSCve85617	Restconf query parameters fields and depth doesn't work properly together
CSCve85635	Restconf GET /restconf/data?depth=1&content=nonconfig results in malformed JSON(missing closing "{")
CSCve85645	Restconf "fields" query param - malformed JSON and setting value to leaf from different model

Resolved Caveats—Cisco IOS XE Everest 16.6.1

Caveat	Description
CSCvd30843	Cisco CSR 1000v reboots randomly every 1–2 days with only minor passing of traffic

Caveats: Cisco IOS XE Everest 16.6.2**Open Caveats—Cisco IOS XE Everest 16.6.2**

Caveat ID Number	Description
CSCvf53724	Crash when deleting an interface on CSR1000v
CSCvg02564	ENCS—ISRv WAN SRIOV interface sometimes fails to be brought up
CSCuv05333	VRRP v3 link state flaps on ASR903 with 3.14.2 image, deployed with G8032
CSCva91559	3850 03.06.04.E software clean force verbose command authz fails
CSCva93135	LISP: tracebacks on cleanup on ASR1k
CSCvb72829	sh ipv6 neigh statistics not updated post RPSO for entries synced
CSCvc38538	IPSLA Y1731 start time is much greater than sysUpTime while doing snmpwalk
CSCvc48752	VPDN not switching traffic to new path after link failover or routing protocol convergence
CSCvc59505	Member link of Port channel gets removed on doing a SSO on the peer end
CSCvc73961	OSPF BGP LS: When seg mpls is disabled on the nbr, the unnumbered links not withdrawn from LSLIB.

Caveat ID Number	Description
CSCvc80822	OSPF SRTE: Invalid primary paths and metric seen with SRTE autoroute announce with metric option
CSCvd04871	Crash after IWAN does a recalculation in the RIB
CSCvd20054	Polaris 16.4: Traceback @mpls_ldp_cfg_interface while enabling isis
CSCvd63244	RSP3:CFM up mep on PC over xconnect/FAT-PW does not work after certain steps
CSCvd65197	IOSd crashed when dialer disconnect the ISDN call
CSCvd96815	Un-controlled TC in DISCARDED state is dropped instead of RIB-routed
CSCve05486	ISDN switch-type configure issue for BRI leased-line
CSCve12319	ISIS SRTE: When one of ECMP path for prefix is not enabled for SR, SRTE tunnel does not come up.
CSCve14828	"show track" does not display Embedded Event Manager applet name on IOS-XE
CSCve16269	IKEv2 CoA does not work with ISE
CSCve18549	CME/BE4000 Intermittently Crash when making configuration changes
CSCve21725	CUBE no DTMF after transfer to UCCX when midcall-signaling passthru media-change
CSCve30544	BOOT variable won't update when configure large number of boot system
CSCve31452	[0-SLA]enable 0-SLA on current SP, path not changed even with big jitter between spk2spk
CSCve32330	%UTIL-6-RANDOM: A pseudo-random number was generated twice in succession
CSCve32648	Traceback@cpp_mlp_bundle_stats_query_all_cmn on fp reload
CSCve37498	Switch sends duplicate accounting message, that causing ISE to generate Misconfigured NAS Alarms
CSCve39101	OSPF SROAM: "%ARP-3-ARPAJ: Internal software error during updating CEF Adjacency" when box comes up
CSCve54914	NDSSO vrf ha table to be populated correctly
CSCve63482	Phase1 comes up and DPDs being exchanged even if the tunnel interface is shut d
CSCve64341	920 : Mid Point LSP creation failure after reload with latest polaris Image
CSCve71674	WCCP bypassed packets dropped by ACL on WAN interface
CSCve75919	In-dialog options ping received post ACK (call completion) cause cube to change codec and no audio
CSCve78446	[1661]- Switch number is missing in stack merged logs.

Caveat ID Number	Description
CSCve90160	Observing memory leaks in AAA_STRDUP_GREEN_PARSER_SG_NAME1
CSCve90221	Observing memory leak in command handler after CoA reauth
CSCve91511	Call queue notification delay with SIP phones
CSCve96308	Observing memory leak in AAA_MALLOC_LITE
CSCvf02115	Device Based BLF monitoring stops working after subscription expires in CME
CSCvf09796	Channel with remote end point 0.0.0.0 is available instead of unavailable
CSCvf15192	gaps in NBAR classification for protocol ms-sms
CSCvf16626	iwan router crash while updating pmi policy
CSCvf22725	OSPF SR/SIDredistribute: when SID configured > avbl SRGB, that sid shouldn't be advertised in EPL.
CSCvf28410	Observing tracebacks after ISSU @ NETWORK_RF_API-3-ISSU_START_NEGO_SES
CSCvf28564	Show details soft key is not functioning in a conference call
CSCvf33947	CUBE can't handle mid-call re-invite when midcall-signalling passthrough mediachange is configured
CSCvf39868	[UniScale]isr4431 crashes while verifying IPv6 CEF scalability
CSCvf43271	Traceback: Stack master crash at dot1x authentication
CSCvf44287	Webauth not releasing allocated IDs from hash table for sockets with no data on INIT timer expiry
CSCvf49126	Stub is not leaking the network as expected
CSCvf50068	FXO Outgoing calls crashes the NIM module
CSCvf51917	dns-a-override CLI not working due to breakage since 16.4 IOS
CSCvf54457	Unable to retrieve components from CSR1Kv
CSCvf62310	CME SIP: call-forward Unregister fails when shared-line enabled on DN
CSCvf65079	ASR CUBE 1K reloaded with reason: RG-application reload on voice-b2bha RG
CSCvf66514	British English used in Cisco-IOS-XE-cdp-oper model
CSCvf66677	Cat 3850 and 3650 release 16.6.1 "show platform sudi certificate" displays wrong certificate
CSCvf68261	Crash when printing IPSEC anti-replay error
CSCvf68531	802.1x authentication fails between cos Access Points and NGWC 16.3.x

Caveat ID Number	Description
CSCvf69970	cnonce value is sent as "FFFFFFFF" in SIP REGISTER Authorization header
CSCvf70383	Crash in SDP Passthru when T.38 as 1st mline in mid-call SDP
CSCvf70718	CME SIP On timeout, calls to parallel voice hunt-group don't hit final extension
CSCvf71066	Router crash due to memory corruption in PKI
CSCvf71850	prefix missed in map-cache output
CSCvf77044	BGP Crimson: RIB query stuck in loop for VPN AF with imported nets
CSCvf77644	ASR1000 Interface may be unusable due to an error deleting previous configs
CSCvf78602	ipv6 summary-prefix stuck in LSP after reconfiguring from level-2 to level-1
CSCvf80101	CM JM procedure is not triggered on dm814x
CSCvf81817	Call drop with cause code 47 when call is put on hold after signaling forking
CSCvf84349	Router crash on polling cEigrpPeerEntry
CSCvf87904	IWAN Performance degradation on PI32 images
CSCvf88445	When handling CUCM's CS_OFFHOOK, need to set ccb its proper role
CSCvf88705	Malformed GETVPN message %GDOI-4-COOP_KS_UNAUTH
CSCvf89399	Flexible NetFlow crash
CSCvf90066	ASR1K RP2 crash due to CPUHOG occurred by arp input process infinite loop
CSCvf92239	Failing to collect router info via netconf
CSCvf92565	Invalid Static routes exist in VRF ip route
CSCvf93129	Mid-call failure because all available Crypto is not Offered in SDP
CSCvf93892	If Pem-dump caplog FFF is assigned to a h323 Dial-peer, hold/resume result in one way audio
CSCvf95739	Remove "dns-vrf-aware" CLI and make DNS vrf aware by default.
CSCvf96294	MIB counter for IPSec tunnels does not decrement under high tunnel scale and churn
CSCvf97230	RE-INVITE and OPTIONS Glare not handled by CUBE
CSCvf97434	3650/3850: neconf return if-index value as 0
CSCvg01599	ASR1K display configuration when bootup with huge config and netconf-yang cli
CSCvg03683	ASR1K CGN NAT ASR1K ESP100 crashed with clear ip nat translation *
CSCvg03981	IOS-XE NAT: IP header of tunneled traffic is translated twice (in inner and outer header)

Caveat ID Number	Description
CSCvg04115	Command Authorization with no shared secret key fails.
CSCvg04116	GM_FAILED_TO_INSTALL_POLICIES message seen when IPv6 crypto map configured on Tunnel434 interface
CSCvg05452	IOS-XE router crash from memory corruption during CCB cleanup
CSCvg05554	3800 Access points failing 802.1x authentication, sending wrong EAP Parameters
CSCvg06375	IBNS 2.0 triggering event Server Dead after Access Reject
CSCvg06512	Host name with . as last character is handled incorrectly on 6800 platforms
CSCvg06563	BE4K Memory leak during bulk register request from portal
CSCvg06586	BE4K Memory leak observed list header and sipResponseHeadersToAvListAdapter
CSCvg07428	List Header leak with PfR enabled
CSCvg08471	OSPF; process ospf segmentation fault when shut and no shut is performed in active RP.
CSCvg09010	KS merge fails for groups with TBAR due to PST update failure on primary KS
CSCvg09235	OPTIONS not replied by CUBE over TCP without interface bind
CSCvg13712	IPv6 DAD detected msgs seen on SVI when connected to device with same SVI w/o IPv6 address
CSCvg15158	DMVPN session get stuck in NHRP and UP-NO-IKE state without active IKEv2 session until rekey
CSCvg15637	IKEv2 - IPsec rekey fails because fragments are assigned incorrect Message id
CSCvg16357	Copying file larger than 2GB to FTP destination fails with "Invalid argument" (revisit CSCug41449)
CSCvg17187	ASR1000 IOS XE 03.16.02.S unable to reestablish MKA session after interface flap/bounce
CSCvg17526	Heavy icmpv6 No-route punt occurred during changing default route
CSCvg18094	GETVPN: show crypto gdoi ks member summary missing last octet in IP address
CSCvg19259	MPLSoFlexVPN: Hub doesn't forward resolution req when default route is advertised to spokes
CSCvg19281	Multiple GETVPN GM crashes after migration to new KS pair
CSCvg19491	ASR1k losing VXLAN NVE Peer
CSCvg20223	OSPF SSBFD : TE-SBFD Session create failed error
CSCvg21196	ISR4K SW MTP configured as TRP does not relay PLI/RTCP messages.

Caveat ID Number	Description
CSCvg21867	OSPF SSPF: With ECMP combination of MPLS TE and SRTE tunnels, all RTP tunnel paths marked as SRTE
CSCvg22515	After upgrade of IOS, SSH passwords longer than 25 characters do not work
CSCvg23452	ospfv3 maximum-paths doesn't apply to output of 'show ipv6 cef' CLI
CSCvg23820	CTS PAC download fails with VRF config on non-management interface
CSCvg23838	C1111-4PWQ : 16.06.01a.prd3 : RP memory doesnt come down after BGP scaling test.
CSCvg25533	Issues related to Night Service feature
CSCvg27234	"pass-thru content sdp mode non-rtp" leading to FPI leaks.
CSCvg28013	OSPF SSPF: CstrPath flag not removed when RSVP TE tunnel config changed to SRTE
CSCvg29037	Traceback is observed during mid-call media IP and port change
CSCvg29347	IPCP: Route not installed
CSCvg30928	Management ARP Entry Disappears After A Period of Time
CSCvg31164	Cat3k: Crash with chunk corruption in DynCmd object
CSCvg31708	OSPF SSPF: With ECMP of SRTE and RSVP-TE auto-announce tunnels, RSVP-TE is not installed as MFI path
CSCvg32099	Active call status is displaying as 0 when resume in remote for the first time
CSCvg32119	BE4K Video intermittent freeze
CSCvg33403	Incoming call fails with 'Lower layer disconnected call cause=47' error
CSCvg33611	Multicast pkts doesn't counted as multicast on sub-IF's interface MIB
CSCvg33631	Unknown Protocol pkts count mismatch between Sub-IF and Physical-IF's sh int cli and IF MIB counters
CSCvg34167	Unexpected reboot of voice gateway 4400ISR
CSCvg34685	IKEv1 Stuck Virtual-access interface&RRI 15.4(3)s6
CSCvg34790	Device crashes due to crypto pki functions
CSCvg34889	IKEv2 VPN tunnel does not establish when destination ip address changes during the AUTH exchange.
CSCvg34986	Media recording on IOS-XE doesn't work if a refer is received immediately after the call is answered

Caveat ID Number	Description
CSCvg35532	OSPF SSPF: with Non-ECMP SRTE+RSVPTE, Native paths installed for RSVP TE tunnel with metric option
CSCvg35944	3650 unable to use loopback as radius source interface
CSCvg36289	dot1x-err : Dot1x authentication already running for<MAC>with different handle
CSCvg37093	C9410 - "ip http authentication aaa" does not work with built-in WebUI
CSCvg37458	ISR4K goes into booting loop with "Flash:" in boot statement
CSCvg37801	ISR4300 display configuration when bootup with huge config and netconf-yang cli
CSCvg38307	BE4K crashed @ContactingDest_SnrOtherDestroyDone
CSCvg38587	Crash while SNMP invokes TTY trap
CSCvg38796	IKEv2 packet debug shows incorrect port value for IKE_AUTH Request packet
CSCvg39512	PfRv3 Communication failure often happens for several seconds after removing a cable from HUB-MC
CSCvg39979	[c94k aaa] %RADIUS-4-RADIUS_DEAD error after provisioned by DNAC
CSCvg40430	4431 QFP crashes by a LLC packet received in a Serial Interface
CSCvg40893	BE4K Registration failed for REGISTER matching wrong voip dial-peer

Resolved Caveats—Cisco IOS XE Everest 16.6.2

Caveat ID Number	Description
CSCvf93716	AWS/Azure - unable to ssh into CSR1000v if configured with 192.x.x.x subnet
CSCve83012	CSR1000V: Core Files during extended operation - 1vCPU CSR1000V ESXI vSwitch
CSCvf87437	High memory utilization in the QFP over QM RM process
CSCvf63269	After on the vnic edit on the fly changes - LAN-SRIOV sub interface ping fails after Reboot of ISRv
CSCvf51814	AWS CSR redundancy fails to create bfd client if AWS redundancy conf'd prior to BFD intf coming up.
CSCuy09470	ISIS hello stops to be sent after RSP switchover
CSCux22473	IPv6 Tracking for route learned from IBGP Neighbor is Down.
CSCva81414	ASR 920 crash on sla with on-demand udp-jitter command
CSCvb96911	OSPF NSSA Translator ABR does not Translate Type 7 to 5 with only VRF Superbackbone as non-NSSA area

Caveat ID Number	Description
CSCvc49095	OSPF SRTE: When the prefix is not the best route in the RIB, OSPF does not provide prefix to SRTE
CSCvd16501	High CPU due to SNMP ENGINE when polling mplsTunnelHopEntry
CSCvd36704	Enabling ICMP jitter probe support on IOS-XE platforms
CSCvd90920	OSPF RLFA: when i/f is shut, "%OSPF-3-INTERNALERR: Internal error: Stale release node is referenced"
CSCve01206	OSPF SRTE : OSPF External Routes handling - No Native paths marked by OSPF in LRIB.
CSCve04263	ISIS: when trying to change cost, "no fibidb for backup interface - ifnum 34" msg appears on the log
CSCve06489	OSPF SR: Local prefix DB entry created for translated EPL not deleted in certain scenarios
CSCve06505	OSPF: NSSA route not installed in OSPF RIB and GRIB after deleting summary address
CSCve09104	Command "segment-routing mpls" under router isis 1 not getting NVGEN'd
CSCve20499	OSPF SRTE: Once we disable and enable traffic-engineering, ospf route comes up with out RIB flag.
CSCve23090	16.6 OBS: Local LFA is used incorrectly when TI-LFA Node Protection enabled
CSCve30867	OSPF SR TE: with multicast-intact option,handling of inter area prefixes incorrect in some scenerios
CSCve33699	Path doesn't got installed properly for isis rib output
CSCve33879	Tunnels goes down when SR is shut and no shut in latest polaris
CSCve42876	OSPF SR: ECMP routes not programmed in MPLS Forwarding table whenever there are Non-Tunnel paths
CSCve45062	flow monitor applied on vlan not showing up in show command
CSCve48453	eBGP vrf next-hop setting behaviour is changed by CSCuv07111.
CSCve51657	Slow convergence with scale after a core link flaps
CSCve56559	Incorrect Track Resolution Metric for GRE Tunnel
CSCve60917	OSPF GIR BASE: When 1 of NSSA ABR router goes to GIR mode, other nodes do not calculate repair paths
CSCve63821	OSPF SR: OSPF External Routes with non zero FWD Address - LRIB original (native) Paths/route missing
CSCve64336	RSP1-Continous ESMC tracebacks observed after IMA8T OIR followed by SSO

Caveat ID Number	Description
CSCve68911	Nested Enhanced Route Refresh requests triggers Stale Prefixes.
CSCve71495	SSO support for VRRP V3
CSCve76945	XE16.7.1:Router crashed when a sh bgp command was executed
CSCve76947	Eigrp hmac-sha-256 secret string changes when show running-config is executed
CSCve83494	OSPF SIDRedist/BGPLS: directly connected prefixes not provided to BGP LS ...
CSCve89668	XE16.7.1:Router crashed when "clear ip bgp vpnv4 u update-group <nei>
CSCve90966	ISIS SIDRedist: when seg mpls is disabled and enabled under ISIS, routes not redistributed with sids
CSCve91228	OSPF PADJ: Generation of ELL with B bit is inconsistent in some scenerios.
CSCve94399	router crash when importing BGP routes - EVPN
CSCve95243	Internal interface missing from L2FIB output list
CSCve97061	Unable to remove 'mpls tp' configuration from Router.
CSCve98223	Two PW-Group switchover notifications are triggered from PI to PD for a single event
CSCvf02131	IP SLA can trigger crash when used with MPLS probe
CSCvf02940	BGP Advertised originator as 0.0.0.0 when router sends update-message
CSCvf05474	Observed multiple Traceback messages on16.3.5 build
CSCvf05552	"show ptp clock running domain 0 " at TC shows garbage
CSCvf05616	Traffic drop, on reconfiguring l2vpn sessions after sso on peer
CSCvf06059	XE16.7.1:sh bgp <AF> u all summ shows double the route count after clear ip bgp *
CSCvf06930	BGP Crimson: skip next net with same prefix
CSCvf06972	ISIS BGP LS: When we configure same BGP LS inst id to 2 ISIS instances, it accepts without error msg
CSCvfl1721	ASR1k netflow crash at flow_def_field_list_copy_with_callback
CSCvfl1776	VRRPv3 with VRRS remains NOT READY after shutdown Port-channel IF.
CSCvfl2203	Router crashes while running EIGRP due to double free condition
CSCvfl4004	OSPF SRTE/TI-LFA: When we have autoroute configured, TILFA repair path not computed for native paths
CSCvfl4031	OSPF TILFA: post convergence flag and PRIMARYPATH property not set for some repair paths.

Caveat ID Number	Description
CSCvf17241	EIGRP Segmentation Fault When Removing VPNV4 LFA
CSCvf20607	ASR1K RSP crash when command 'show ip rsvp sender detail' was executed
CSCvf20718	CODM : "platform software status control-processor" missing CPU averages
CSCvf24713	stale path message for that prefix is noticed when dampening is configured.
CSCvf30703	Watchdog crash at sla_resp_config_command when executing the "show run" command
CSCvf32151	ISIS SR : when 2 prefixe cfged with same sid, SRAPP detect conflict, ISIS use same sid for both pfix
CSCvf32530	Cisco-IOS-XE-bgp-oper: failed to retrieve table table too big
CSCvf33443	FEW Inter xTR roam scale 400/sec hit on CSR1KV-Map server causes delay in L2&L3 lisp updates to xTR
CSCvf33489	ISIS FRR : FRR ReOpt Issue, FRR state pointing to Label backup even with primary link up
CSCvf33570	Crash while BGP-RR Unconfiguration.
CSCvf36440	Enable "mtu" config in flow exporter
CSCvf41539	CAT3K SDA border/LISP crashed with segmentation fault
CSCvf42300	ISIS SR: segmentation fault in ISIS when "no seg mpls" command is given.
CSCvf44638	Numbered extended IP ACLs break config sync
CSCvf49340	OSPF SRTE: when SRTE tunnel is down, CSTR flag is not removed from RIB at certain scenerios.
CSCvf51341	Crash after show ip ospf database summary command
CSCvf52390	OSPF SRTE: When TE is unconfigured on area , RI LSA is not sent without TE attribute in opaque LSA.
CSCvf56274	BGP VRF route redistribution into global routing table fails after a VRF route flap
CSCvf58384	ISIS BGP LS: The TE tunnel link is not displayed in the show lslib link command.
CSCvf59046	tunnel interface missing in frr-manager
CSCvf62916	Router crashes when doing "show ip bgp neighbor" on a flapping BGP neighborship
CSCvf63541	BGP w/global import/export crashes when several nbrs deleted simultaneously
CSCvf64410	OSPF SR: Stale srgb handle used after changing the SRGB range
CSCvf67269	IS-IS support for mult-instance redistribution for IPv6.

Caveat ID Number	Description
CSCvf69272	SNMP ENGINE high CPU usage observed with 1.3.6.1.2.1.185.1.1.1(mgmdHostInterfaceEntry)
CSCvf71439	ISIS BGP LS: unconfiguring BGP LS in single level results in stale LSLIB database
CSCvf73552	VRRP non-zero authentication data on 16.3.3
CSCvf75000	OSPF TI LFA: when we have TILFA tunnel with more than 1 segment, label not calculated correctly.
CSCvf78103	OSPF SID Redist: when virtual link is un-configured and NSSA area is configured ext sids not cleared
CSCvf80495	IPv6 BGP network advertized not seen in the peer
CSCvf80757	NETCONF-YANG/RESTCONF edit config fails silently, subsequent get config reports false-positive
CSCvf83068	OSPF SR: %SR-3-SR_INTERNAL_ERR due to stale srgb handle used after changing the SRGB range
CSCvf87059	Setting snmp-server via netconf takes more than 30 seconds
CSCvf88590	After disabling http server/https server on netconf, IP-Adm-V4-Int-ACL-global delete
CSCvf93716	AWS/Azure - unable to ssh into CSR1000v if configured with 192.x.x.x subnet
CSCvf95077	Stale Mac entry in MLRIB
CSCvf96035	ISIS redistribute connected not working for IPV6 routes
CSCvg08979	Martian check for Distance command needs to be removed
CSCvg13052	3850 AVB Domain state changing CORE <--> BOUNDARY
CSCvg31493	Stale Mac entry in MLRIB additional fix
CSCvg31495	NMR calculation is wrongly considering eid-record of 0.0.0.0/0 in SDA

Caveats: Cisco IOS XE Everest 16.6.3

Open Caveats—Cisco IOS XE Everest 16.6.3

Caveat ID Number	Description
CSCuy30341	Skywalker: Failed to create, Pseudowire interface
CSCvb88867	Excess BGP Traps Generated just after upgrade
CSCvc80822	OSPF SRTE: Invalid primary paths and metric seen with SRTE autoroute announce with metric option

Caveat ID Number	Description
CSCvd14310	IP TUNNELS: Overlapping Loopback Interface Causes Incorrect Forwarding Decision with AppNav and PfR
CSCvd65197	IOSd crashed when dialer disconnect the ISDN call
CSCve54914	NDSSO vrf ha table to be populated correctly
CSCve69049	Crash when it tries to write over a TTY session
CSCvf70383	Crash in SDP Passthru when T.38 as 1st mline in mid-call SDP
CSCvf89894	GETVPN // Primary KS sending rekey first to GM's and then to Secondary KS via scheduled rekey.
CSCvf96294	MIB counter for IPSec tunnels does not decrement under high tunnel scale and churn
CSCvf98378	IOSXE_INFRA-6-PROCPATH_CLIENT_HOG: IOS shim client man stats bipc has taken 278 msec
CSCvg05452	IOS-XE router crash from memory corruption during CCB cleanup
CSCvg19259	MPLSoFlexVPN: Hub does not forward resolution req when default route is advertised to spokes
CSCvg23820	CTS PAC download fails with VRF config on non-management interface
CSCvg43408	IOS-XE Router crashed unexpectedly with critical process fault, fman_fp_image, fp_0_0, rc=134
CSCvg53159	%SNMP-3-RESPONSE_DELAYED: processing GetNext of catSessionEntry.2 seen on catalyst switch
CSCvg60185	ISR 4000 discards private RSA key after upgrade and reload with WAAS module
CSCvg75315	ASR1K BGP scanner crash when change VRF and BGP configuration
CSCvg79608	PfR: Overlapping Loopback Interface Causes Incorrect Forwarding Decision with AppNav and PfR
CSCvg95032	Crash when downloading configuration from APIC-EM server
CSCvh05611	IOSd crash in config_dialpeer_descr while applying a DP
CSCvh09620	Continuous crash in "/kernel/mki/src/free" after upgrade to version 15.5(3)S6
CSCvh19173	XE316: throughput is licensed throughput when idcert renew is failed and EVAL mode
CSCvh20302	"HTTP CORE" Process Crashes When Parsing PNP Transport Config
CSCvh23735	CSR1000v HA vCUBE IP-4-DUPADDR detected after Active router goes down.
CSCvh24730	PfRv3: Crash while Printing the Same TCA Message
CSCvh26241	Crash after crypto map removal

Caveat ID Number	Description
CSCvh32216	Sporadic Crashes Due to IPSec (during ISAKMP AAA interaction)
CSCvh47124	NextHop is wrong in route-import table on branch when delete WAN interface and reconfigure it
CSCvh48610	iwan router crash while updating pmi policy
CSCvh52882	Memory Leak due to nbar config
CSCvh53691	FP crash with scaled IKE sessions.
CSCvh57108	CPUHOG on QoS statistics collection for DMVPN. QoS crash with DMVPN/NHRP.
CSCvh66445	ISR4k router crashes during status check on WAAS Express

Resolved Caveats—Cisco IOS XE Everest 16.6.3

Caveat ID Number	Description
CSCua00661	Memory leak seen while creating vlans using Telsh
CSCvc60745	tcp_getbuffer memory leak - refcount not reduced when packet dropped
CSCvd04871	Crash after IWAN does a recalculation in the RIB
CSCvd64670	SCEP enrollment failing with HTTP/1.1 500 Internal Error
CSCve08418	IPsec/IKEv2 Installation Sometimes Fails With Simultaneous Negotiations
CSCve18549	CME/BE4000 Intermittently Crashes when making configuration changes
CSCve32330	%UTIL-6-RANDOM: A pseudo-random number was generated twice in succession
CSCve55089	BGP crashes at bgp_ha_sso_enable_ssmode
CSCve64341	920 : Mid Point LSP creation failure after reload with latest polaris Image
CSCve75919	In-dialog options ping received post ACK (call completion) cause cube to change codec and no audio
CSCvfl6338	voiprtp_register_transport_port_manager_and_reserve: Alloc ports failed, min: 8000, max: 48199 248
CSCvfl6626	IWAN router crash while updating pmi policy
CSCvf24928	QFP exmem memory leak in cpp_fm_sce_result_chunk
CSCvf31368	Router crash after EEM-wanfailover script triggered
CSCvf33947	CUBE cannot handle mid-call re-invite when midcall-signalling passthrough mediachange is configured

Caveat ID Number	Description
CSCvf36269	Cisco IOS and IOS XE Software Plug-and-Play PKI API Certificate Validation Vulnerability
CSCvf36888	IOS-XE DMVPN Per-tunnel QoS not working on CSR1k without AX license
CSCvf39474	GETVPN: TBAR sync "timer is not running" after KS upgrade causing anti-reply drops and GM outages
CSCvf43271	Traceback: Stack master crash at dot1x authentication
CSCvf48159	Router crash during T38 fax bitrate negotiation
CSCvf53023	ISRV: Hot add of multiple vnics fails to add some
CSCvf60862	Cisco IOS and IOS XE Software IOS daemon Cross-Site Scripting Vulnerability
CSCvf68261	Crash when printing IPSEC anti-replay error
CSCvf84349	Router crash on polling cEigrpPeerEntry
CSCvf93129	Mid-call failure because all available Crypto is not Offered in SDP
CSCvg02533	Router crashed after triggers with debug
CSCvg05896	IWAN EIGRP SAF - seq number mismatch after branch reload
CSCvg09010	KS merge fails for groups with TBAR due to PST update failure on primary KS
CSCvg14256	Crash at cc_detect_mute_call
CSCvg15158	DMVPN session get stuck in NHRP and UP-NO-IKE state without active IKEv2 session until rekey
CSCvg20200	Polaris: Crash observed while client association with key-wrap enabled in controller.
CSCvg22515	After upgrade of IOS, SSH passwords longer than 25 characters do not work
CSCvg30722	EAPTLS:- Session manger crashing with MKA/EAPTLS session bring up with newly installed certificates.
CSCvg31525	In HA system, with secure storage, the private-config is being encrypted multiple times
CSCvg34731	IOS-XE MOS scores always show 4.x even with massive packet loss.
CSCvg38307	CME/BE4000 crash occurs when call is made to invalid SNR destination
CSCvg52560	Traceback: OCSP creates a large number of lists and triggers a memory problem
CSCvg60288	Device IP address AV pair replaced with 192.168.1.5
CSCvg71566	"no cdp enable" is rewritten to "no cdp tlv app" after reload.
CSCvg74048	PKI: All SCEP requests fail with "Failed to send the request. There is another request in progress"

Caveat ID Number	Description
CSCvg75380	Polaris 16.3.5: Crash at auth_mgr_show_dc_details
CSCvg76912	CFD: pnp config upgrade failed when IFS returns size 0 for all TFTP files
CSCvg84039	Traceback: Crash on WAAS menu prompt for WAN Interface
CSCvg90226	Crypto Traceback: Router crash at "Crypto Support" segmentation fault
CSCvg92437	AToM: MSPW VC Down with Reason as No VC Remote Label Binding Received on RP SSO
CSCvg94908	Mgig stack keeps crashing while configuring with Radius commands
CSCvg98890	IOS-XE GM router might crash after the rekey method is changed from unicast to multicast
CSCvh00038	Device IP address AV pair replaced with 192.168.1.5
CSCvh02516	Cannot add static route through dynamic NEMO tunnel interface
CSCvh17481	PKI: Device crash during crl download with multiple CDP URI
CSCvh32416	Evaluation of all for CPU Side-Channel Information Disclosure Vulnerabil
CSCvh47443	Spoke-to-spoke site-prefix reachability checking should be removed
CSCvh54813	Output QoS policy is removed from Dialer interface after reloading the device if input policy exists
CSCvh60525	CLI "aaa common-criteria" not available on IPBASEK9 license

Caveats: Cisco IOS XE Everest 16.6.4

Open Caveats—Cisco IOS XE Everest 16.6.4

Caveat ID Number	Description
CSCux14912	CSR 1000v on AWS Gateway Redundancy not working
CSCvj29777	CSR 1000v High platform memory utilization reported with memory add-on License
CSCvb72829	sh ipv6 neigh statistics not updated post RPSO for entries synced
CSCvc73961	OSPF BGP LS: When seg mpls is disabled on the nbr, the unnumbered links not withdrawn from LSLIB.
CSCvd20054	Cisco IOS XE 16.4: Traceback @mpls_ldp_cfg_interface while enabling isis
CSCvd63244	RSP3:CFM up mep on PC over xconnect/FAT-PW does not work after certain steps
CSCvd65197	IOSd crashed when dialer disconnect the ISDN call
CSCve05486	ISDN switch-type configure issue for BRI leased-line

Caveat ID Number	Description
CSCve12319	ISIS SRTE: When one of ECMP path for prefix is not enabled for SR, SRTE tunnel does not come up.
CSCve32648	Traceback@cpp_mlp_bundle_stats_query_all_cm on fp reload
CSCve39101	OSPF SROAM: "%ARP-3-ARPAJ: Internal software error during updating CEF Adjacency" when box comes up
CSCve39572	BGP net should have inlabel if bgp mpls-local-label is configured
CSCve54914	NDSSO vrf ha table to be populated correctly
CSCve78446	[1661]- Switch number is missing in stack merged logs.
CSCve96308	Observing memory leak in AAA_MALLOC_LITE
CSCvf22725	OSPF SR/SIDredistribute: when SID configured > avbl SRGB, that sid should not be advertised in EPL
CSCvf37923	Crash due to Stack overflow
CSCvf76436	Combination of add-path, backup path and advertised-to leaves is not giving expected netconf values
CSCvg23820	CTS PAC download fails with VRF config on non-management interface
CSCvg77859	Cisco ASR 1000: for Cisco IOS XE 16.5 and later: tracelogs/punt_debug.log* missing when punt keepalive timeout / crash occurs
CSCvg81772	VRF import config missing ipv4 unicast after no router bgp
CSCvh67422	IPSLA ICMP-jitter stats reporting some of the received packets as lost.
CSCvi10089	EXEC process stuck vty line where 'no exec' is set
CSCvi36351	standby rp crash on removing member link from port-channel
CSCvi70145	Cisco ASR 1000 Segmentation fault in dhcp_sip process
CSCvi83419	Router crash when removing route-target and with hard clear
CSCvi86093	Switch reloads when kron job scheduled in 0 minutes
CSCvi88890	Console authentication fails on non-master switches of C3850 stack.
CSCvj08942	SNMP walk of cipslaPercentileLatestStatsTable does not give all the cipslaPercentileTypeVar types
CSCvj09305	slow convergence when configuring ha-mode sso for IPv6 peers
CSCvj22081	Cisco ISR 4331@ memory lock occurs when archive config and "wr" ware executed at the same time
CSCvj25236	IPDT flapping after upgrade to 15.2(2)E7

Caveat ID Number	Description
CSCvj26944	Cisco-IOS-XE-policy yang model does not support "set precedence"
CSCvj35317	Ti-LFA Repair Path is not Loop-Free
CSCvj45781	QFP CGM Memory depletion during ISG session churn
CSCvj57453	OSPF TILFA: tilfa repair path computation ALGORITHM fails with reason code BAD FH NBR
CSCvj57487	OSPF TILFA: tilfa repair path computation ALGORITHM uses incorrect firsthop router-id
CSCvj59152	Evaluation of all for May CPU Side-Channel Information Disclosure Vulnerabilities
CSCvj59156	Evaluation of Cisco CAT 9300 for May CPU Side-Channel Information Disclosure Vulnerabilities
CSCvj59157	Evaluation of Cisco CAT 9400 for May CPU Side-Channel Information Disclosure Vulnerabilities
CSCvj59158	Evaluation of Cisco CAT 9500 for May CPU Side-Channel Information Disclosure Vulnerabilities
CSCvj60144	OSPF TILFA: tilfa ALGORITHM fails to get repair node n-sid label when vertex is beyond PGW node
CSCvj60749	Cisco ISR 4000 handles MTU on Virtual-PPP interface differently and does not respect DF-bit on QFP level
CSCvj64493	Standby switch crash when removing kron scheduler command
CSCvj66204	initial SNMP traps take agent-addr from shutdown interface
CSCvj68607	ASR1K crash in tplus_handle_req_timeout
CSCvj74888	Kernel OOPS reporting ECC error
CSCvj75853	Device crash after execute command "show lldp neighbor [int] detail"
CSCvj76285	Snmp v2 breaks due to Authentication failure, bad community string, 16.03.06
CSCvj76316	Subscriber template not cleared after idle time exceed as well as traceback generation
CSCvj81382	IPv6 AAA Prefix Support for 3rd party PPP clients no password for -dhcipv6 Access-Request
CSCvj83284	3650 mab failover does not work after first failed dot1x authentication
CSCvj83551	SISF crash in IPV6 neighbor discovery packets
CSCvj84121	Cisco ISR 4321 Radius Chap authentication does not work
CSCvj84601	Called-Station-Id attribute not included in Radius Access-Request

Caveat ID Number	Description
CSCvj86054	3650/3850 do not send reload message to Syslog
CSCvj88265	CBR8 After SUP failover, some BSOD clients have no service, L2VPN
CSCvj88805	Cisco ASR 1000 No kernel/coredump generated with watchdog reload event
CSCvj89345	AVC license should be activated only in case of smart licensing model

Resolved Caveats—Cisco IOS XE Everest 16.6.4

Caveat ID Number	Description
CSCsd58148	%SEC_LOGIN-4-LOGIN_FAILED does not show username in [user:]
CSCvb69966	Memory leak under LLDP Protocol process
CSCvb88867	Excess BGP Traps Generated just after upgrade
CSCvd14310	IP TUNNELS: Overlapping Loopback Interface Causes Incorrect Forwarding Decision with AppNav and PfR
CSCvd90410	Router loses RSA keys upon boot with private-config encryption and config archive enabled
CSCve11959	Memory leak occurs on DHCP client
CSCve55004	OSPF GIR BASE: not all repair paths calculated for AS ext routes when routes rxd with maxmetric
CSCvf05864	BGP RR changes tunnel parameters for bgp evpn route type 3
CSCvf07576	router reloaded when doing show BGP RT filter routes
CSCvf19460	CTS Pac download fails with ISE reachability through loopback interface over vrf
CSCvf49126	Stub is not leaking the network as expected
CSCvf66030	OSPF SR: When SRGB range is changed, mapping server entries do not get re-installed.
CSCvf66860	IOS crash in SOCK TCP Test Server process
CSCvf73693	isr4321 crash @ BGP Router for bfd bgp when sending traffic
CSCvf80363	rotate nginx access/error log files
CSCvf81931	Loopback interface not appearing in RIB after upgrade
CSCvf96009	OSPF SR: When loopback isconfigured with prefix suppression, EPL should be withdrawn
CSCvf97908	When NSSA ASBR is reloaded, ECMP to ext routes not installed in other routers.

Caveat ID Number	Description
CSCvg01774	OSPF SSPF: when seg area is disabled and enabled, mapping server EPL entries not re-generated.
CSCvg03444	Hub MC continues to send EIGRP SAF hellos after adjacency removed
CSCvg08471	OSPF; process ospf segmentation fault when shut and no shut is performed in active RP.
CSCvg08768	OSPF BGP LS: After fail over, error msg seen: %LSLIB-4-EOD: Producer OSPF-0x0 did not send EOD
CSCvg16234	ISR receives a control packet (CDP) with a CMD tag it should process it, not drop it
CSCvg25874	Toggling the switchport then default the interface, load-interval config reapplied
CSCvg36598	ISAKMP Fails When Multiple HSRP tunnel/SVTI Interfaces Configured
CSCvg39082	Crash after TCP session timeout
CSCvg41950	Cisco IOS XE Software Diagnostic Shell Path Traversal Vulnerability
CSCvg43263	When shutting interface with no isis adjacency, local micro-loop avoidance blocks FRR recalculation
CSCvg44135	OSPF SRTE: prefix information is not provided to SRTE when it is learnt via mapping server.
CSCvg47453	Default route redistributed into RIP from EIGRP is not removed from RIP database
CSCvg48470	ISIS 11-12 redistribution prefix doesnt get redistributed till clear isis rib redistribution is done
CSCvg51358	DHCPNAK is not sent in roaming scenario.
CSCvg53159	%SNMP-3-RESPONSE_DELAYED: processing GetNext of cafSessionEntry.2 seen on catalyst switch
CSCvg54267	CDP Protocol can run device out of memory
CSCvg58096	Increase of dampening penalty on route refresh
CSCvg67028	VRF deletion status <being deleted> after removing the RD
CSCvg67820	HIGH CPU observation on FMAN RP ESS EVENT TRACING
CSCvg68391	ISIS SR: When seg mpls is shut globally, ISIS SID entries not withdrawn from the entire network.
CSCvg71944	OSPF SR: When loopback is defined as /24 address, EPL should not be sent for the prefix.
CSCvg75315	Cisco ASR 1000 BGP scanner crash when change VRF and BGP configuration

Caveat ID Number	Description
CSCvg75419	ISIS SRTE: Explicit SRTE keeps flapping when ISIS is not the winning route in the RIB
CSCvg76664	OSPF SSPF: With SRTE tunnel, constrained bind of SID0 uses invalid old repair path in some cases
CSCvg76990	Missing LSP sending after configuration change
CSCvg82855	OSPF SSPF: mapping-server strict SID is processed by images which are not strict spf capable
CSCvg85146	OSPFv2 Encoding for local-id in LLS needs to be fixed
CSCvg85879	BGP sets the wrong Local Preference for routes validated by RPKI server
CSCvg89742	Incorrect pass-through statistics seen during soak run
CSCvg91169	3850 standby switch reloads due to configuration-mismatch after use "exception crashinfo" command
CSCvg99559	OSPF SSPF/TILFA: TILFA ECMP tunnels are not created when the last segment is adjacency sid.
CSCvh00630	Cisco ISRV QOS -service-policy defined in bootstrap config may not be applied
CSCvh01652	Multicast IPSLA UDP Jitter throws Socket open error if vrf interface is configured on responder
CSCvh02109	WSMA: Server responds with HTTP 404 on wsma-exec with http transport profile
CSCvh03359	EIGRP network statement reappearing after reboot
CSCvh03788	EIGRP Name mode Summary route is not being apply on Virtual-Access on HUB
CSCvh06249	Crash when receiving EVPN NLRI with incorrect NLRI length field value
CSCvh09334	SDA-IPV6::SISF traceback @ar_relay_create_entry - L2 Binding tbl entry insertion failed
CSCvh10607	ISG : IETF-Disc-Cause = 0 if DHCP SIP disconnect
CSCvh15336	OSPF SSPF: ECMP combination of SRTE tunnels and MPLS-TE tunnels does not work properly sometimes.
CSCvh15484	ISIS SR: When the SRGB range is increased, the local SIDs which are in new range are re-installed.
CSCvh18001	Crash due to race condition caused by IOS radioactive trace code
CSCvh21564	AAA Attribute list leak in Polaris 16.6.2
CSCvh21909	LISP: Overlapping prefix causes "probe-down" for map-cache entry
CSCvh22278	OSPF Hello timer 10sec is not applied in network type non-broadcast

Caveat ID Number	Description
CSCvh22300	Update IOS XE OSPFv2 ELL private TLVs to IANA codepoints
CSCvh25624	ISIS SR: When seg mpls is shut under ISIS, sid entries not cleared in the local router.
CSCvh26072	EIGRP SAF Adjacency doesn't form with /31 mask
CSCvh28323	ASR1002HX FP Crash post LNS path switchover
CSCvh30968	ISIS BGP LS: When distribute link state changed from level 1 to level 2, entries not given to BGP LS
CSCvh48085	OSPF SSPF/SRTE: when we have ABR with multiple interfaces to backbone area, SPF keeps running.
CSCvh51038	[168] OSPF process crash on P router when 'router ospf <>' is unconfigured on another PE or P router
CSCvh54672	VRRP doesnt work over Port-channel L3 interface
CSCvh56594	EIGRP offset-list still active if ACL used in offset-list is removed before offset-list
CSCvh58909	OSPFv3 cost calculation not correct in some specific topology
CSCvh61453	NULL remote_hostname from LAC
CSCvh62532	System reload when clearing cts pac
CSCvh63932	Noisy debugs in "periodic" tracelog
CSCvh70297	Redundancy Mode None does not Sync
CSCvh71539	Command "show aaa servers" reloads the switch
CSCvh71856	IOSd crash when enabling dot1q in a port-channel sub-interface
CSCvh73805	Explicit SRTE tunnels are not come up when a prefix is redistributed between levels
CSCvh77733	RR does not send VPNv4 routes to peer
CSCvh79942	Chunk corruption crash related to PNP or Guestshell
CSCvh85772	Cat9300 not responding to ARP request for GW Anycast IP
CSCvh92130	downloaded policies hit by traffics were all gone after the second SSO
CSCvh93071	Redistributing connected route with AIGP attribute is being continuously readvertised
CSCvh95376	ASR 1000 reloaded after IPv4 RR stress test
CSCvh96821	Cisco ASR 1004 started relaying client's DHCP Discover messages to DHCP Server with the wrong IP address
CSCvh97691	tacacs-server is missing keyword "key" in argument/option available

Caveat ID Number	Description
CSCvh99576	LACP Rate defaults to fast with no way to change it to normal
CSCvh99651	AAA-Proxy errors in dmiauthd tracelogs
CSCvi01558	iBGP dynamic peer using TTL 1
CSCvi03339	[ECA-SIT] IOSd crash seen on xTR with baseline @ sisf_macdb_get_vlanid
CSCvi04447	Throughput defaults to 1000kbps after license expires
CSCvi04666	ISIS SRTE: SRTE tunnel not created due to R-flag set
CSCvi05940	3850 show policy-map int cannot display complete
CSCvi06312	Subsystem stopped: ios-emul-oper-db due to bgp table issue
CSCvi06480	OSPF SSPF: EPL not sent for secondary addresses on loopback interfaces.
CSCvi07387	ip dhcp excluded-address deletion issues via netconf
CSCvi11123	FMFP-3-OBJ_DWNLD_TO_DP_FAILED error after modifying QoS policy
CSCvi11665	Virtual-service guest IP accepts broadcast address
CSCvi11970	Abnormal output for show pnp tech-support
CSCvi20882	Netconf IP-SLA udp-jitter case missing leaf codec
CSCvi26061	RP crash @policymap_associated_to_multiple_instances
CSCvi26398	"%LISP-4-LOCAL_EID_RLOC_INCONSISTENCY" should be suppressed in SDA context
CSCvi28362	Unexpected metric value for route redistribution from BGP to OSPF
CSCvi29611	3850 crashes multiple times due to issue in (ipv6_encap_and_send)
CSCvi34260	Cisco IOS XE 16.8.1:dot1x Clients stops responding (ping to clinet IP fails) after SSO (CSCvh68810) (PD changes)
CSCvi34314	Cisco ISR/C1100: interface down/up does not renew dhcp assigned ip address
CSCvi35143	Repeatedly Tracebacks seen : %INFRA-3-INVALID_GPM_ACCESS: Invalid GPM Load
CSCvi36290	Incorrect BDI configuration state shown by NETCONF on interface creation
CSCvi38244	IPv6 VRRP Master is using using vlan BIA MAC while sending Neighbor advertisements (NA)
CSCvi38916	Persistent Telnet and SSH crashes when configured in 16.6.2
CSCvi40033	802.1x authentications are failing if there was interface template config applied before

Caveat ID Number	Description
CSCvi41465	All router mcast is removed by "no ipv6 mld router" in specific timing
CSCvi42002	CDP packets not getting encapsulated over multipoint GRE tunnel
CSCvi44476	IS-IS unnecessarily updates RIB when in metric-style narrow
CSCvi44988	C1111-8P: random commands may trigger TACACS+ to crash
CSCvi50061	Evaluate NTP February 2018 Vulnerabilities.
CSCvi52659	Incorrect "Hop count" observed in IPv6 EIGRP
CSCvi56919	Radius source interface command is not taking effect on ISR 4k
CSCvi57096	MATM RP Shim Process memory leak @aaa_attr_list_alloc make_a_sublist_max
CSCvi58526	CPUHog and crash on DNS-SRV-1 process
CSCvi61745	Crash when running MPLS Tunnel protection command
CSCvi64534	Remove stack 1+1 CLI for WS-C3850-48XS
CSCvi71376	OSPF SSPF: tilfa ALGORITHM fails to compute repair path, reports incorrect reason of too many labels
CSCvi72996	NMR TTL is wrongly considering eid-record of 0.0.0.0/0 for its calculation
CSCvi74088	link local multicast packets are received when the SVI is in down state
CSCvi75086	Rapid TDL memory leak in SMD process leads to crash of active switch in stack for ipv6 clients
CSCvi76084	Device-tracking entry stuck in TENTATIVE for certain Mac Pro hosts configured with static IP
CSCvi77760	SNMP cafSessionMethodState not unsupported after Denali 16.3.3 upgrade on 3850
CSCvi79948	OSPF TILFA: tilfa ALGORITHM preference rules does not pick repair path with lowest number of labels
CSCvi91714	IPv6 address not assigned or delayed when RA Guard is enabled
CSCvi92571	On IOSXE neighbor command under pseudowire interface is rejected
CSCvi95775	Reverse-tunnel routes under PMIPv6 MAG config not using configured distance metric
CSCvi96933	mac-move doesn't work on IBNS 2.0 unless you disable it then enable it back
CSCvj04717	OSPF SSPF: With SRTE tunnel scale, SRTE SID0 constraint Label Bind fails with LABEL_BROKER error msg
CSCvj05446	Initial Trustpool installation not successful before PKI is ready
CSCvj06388	type 7 password parsed incorrectly in dot1x credentials causing auth failure

Caveat ID Number	Description
CSCvj09541	Cisco ISR 4000 IOS-XE PBR fails when next hop is recursive over tunnel
CSCvj14521	Web redirect clients do not get redirected, Create IO ctx, too many intercepted connections
CSCvj21692	UNIX-EXT-SIGNAL: Segmentation fault(11), Process = ACCT Periodic Proc
CSCvj27526	BGP attribute map for aggre address can not set attribute
CSCvj29126	RADIUS client on network fails to solicit PAC key from CTS even though the device has a valid PAC
CSCvj30023	DNS Debug seen without enabling any debug
CSCvj30995	ASR 1000 - exhausted IP Session Handles - %IDMGR-3-INVALID_ID: bad id in id_get (Out of IDs!) (id: 0x0)
CSCvj38384	%PMIPV6-5-TUNNELDELETE:
CSCvj39346	OSPF SSPF: When sid 0 is removed, wrong implicit-null label used for inter-area prefix.
CSCvj41163	Memory size in smand process increases on 3850/3650 without any services, uplinks nor configuration
CSCvj41224	Crash when doing SNMP walk and applying QOS over a GRE tunnel
CSCvj49476	Telnet Sessions Hang/Become unavailable at execution of "show run"
CSCvj52231	ACEs after an object-group reference not being processed in software if ACL has more than 13 ACEs
CSCvj52681	Dynamic vlan assignment causes all sisf entires under the port to be deleted
CSCvj63612	C9400- When PoE interface comes up with specific config, causes High CPU %, IOSd , IOMd crashes
CSCvj65296	"ip rsvp bandwidth" max value limited to 10 GE

Caveats: Cisco IOS XE Everest 16.6.5

Resolved Caveats—Cisco IOS XE Everest 16.6.5

Caveat ID Number	Description
CSCvb03610	Watchdog crash after "% AAA/AUTHEN/CONT: Bad state in aaa_cont_login()."
CSCve31475	SNMP Error: OID not increasing: @ipAddressIfIndex.ipv6z
CSCvf91392	Catalyst switch crashes when editing wireless controller settings through web interface on c3650
CSCvh92275	QoS Overrides loadbalancing to per prefix even with only session level policing applied

Caveat ID Number	Description
CSCvi08303	Standby RP Reloads due to Config Sync Failure When Applied Service-insertion WAAS on Physical Int
CSCvi52608	CLI show aaa clients detailed command triggered SSH to crash
CSCvi65958	Standby RP crashes due to shortage of memory when running OSPF
CSCvi70145	ASR1k Segmentation fault in dhcp_sip process
CSCvi83306	Crash with IOSXE-WATCHDOG: Process = IPv6 RIB Event Handler
CSCvi83419	Router crash when removing route-target and with hard clear
CSCvi92528	ZBFW HA: Configuring redundancy RII on virtual template auto-tunnel does not take effect
CSCvi96450	Router crashed when lsp-mtu is changed
CSCvj02910	Reload removing ipv6 VRRP group
CSCvj22537	Standby switch crashes when flow-exporter destination configured with Hostname
CSCvj43156	Crash in XDR process: "fib_rp_table_broker_encode_buf.size <= FIB_RP_TABLE_BROKER_ENC_BUF_SZ"
CSCvj44507	16.10 ASR1K: IOSd crash @SSS Manager during sessions teardown
CSCvj45781	QFP CGM Memory depletion during ISG session churn
CSCvj68607	ASR1K crash in tplus_handle_req_timeout
CSCvj71845	Backup path incorrect for ring topology where high ISIS cost is configured on 1 link.
CSCvj76285	Snmp v2 breaks due to Authentication failure, bad community string, 16.03.06
CSCvj76316	subscriber template not cleared after idle time exceed as well as traceback generation
CSCvj77688	Shimming have some issue over selecting idb
CSCvj78647	mtu cli is disappeared from show run when interface dialer sh/no shu
CSCvj79542	Missing interface source template model
CSCvj79694	sgt-map gets cleared for some of the end points for unknown reason
CSCvj83551	SISF crash in IPV6 neighbor discovery packets
CSCvj90145	Zero Touch Provisioning (ZTP) fails to apply certain service instance configuration.
CSCvk07070	Observing bmalloc smd leaks at OBJ_WEBAUTH_LOGOUT_URL with webauth
CSCvk10633	bgp crash while running show command and same time bgp peer reset
CSCvk10909	ISRV: ONEP process crash during day0 bringup

Caveat ID Number	Description
CSCvk12253	ASR1001-HX crashed due to critical software exception on operation group-object add/remove
CSCvk20589	SSH V2 crash
CSCvk23363	ASR1k PWLAN: Cisco-AVPair = remote-id-tag=5 missing after roaming
CSCvk24143	ASR1001-X crash due to free block at tty_handle
CSCvk41664	CSR1000v: crash at mempool_add_region when adding memory
CSCvk42631	CSR1000v running inside Citrix XenServer 7.0 crashed
CSCvk45142	3850 crash with smd fault on rp_0_0
CSCvk46664	DNA Center SWIM Upgrade fails and unable to upgrade manually
CSCvk50734	Device Tracking - Memory leak observed with IPv6 NS/NA Packets .
CSCvk58143	500~600 secs Increase in boot time when "ip domain lookup" configured.
CSCvk59419	Crash in xoslib code for onepk process when using yang-netconf
CSCvm12196	Memleak (IP: RIB Alternate Preference): provides fix for CSCvk68355
CSCvm14346	ISR/CSR - Memory Corruption of mdl_tbl due to fia-history CLI
CSCvm33871	ASR1K: ipv6 telnet session with vrf is failing
CSCvm40441	CFD: PNP DNS discovery with trust pool flow uses IP address in PNP profile instead of FQDN
CSCvm43071	[IBNS 2.0] aaa-available event is not being triggered when using authentication/authorization list
CSCvm50139	2nd phase fix for CSCvk45142
CSCvm51739	SNMP v3 discloses password in the parser warning syslog trap
CSCvm55465	BGP updates missing ISIS advertising-bits led to LDP label purge on peer.
CSCvm59172	"autoroute announce" and "loose" path not working on intra-area TE tunnel
CSCvn02171	POLARIS: HOLE is not created when 'acl default passthrough' configured

Open Caveats—Cisco IOS XE Everest 16.6.5

Caveat ID Number	Description
CSCvd65197	IOSd crashed when dialer disconnect the ISDN call
CSCve54914	NDSSO vrf ha table to be populated correctly
CSCve78446	[1661]- Switch number is missing in stack merged logs.

Caveat ID Number	Description
CSCvf34848	License synchronized to SSMS despite being removed from SL Portal
CSCvg23820	CTS PAC download fails with VRF config on non-management interface
CSCvj79547	Complete content for interface templates
CSCvj89047	Quake-sessmgrd Huge Mem Leak After Master switchover
CSCvk22449	BGP Traceback/Crash seen with 20k IPv4 BGP scale after reload/clearing bgp
CSCvk32822	QoS stats process crash
CSCvk75838	netconf/yang or telemetry retrieval of /trustsec-state/cts-rolebased-policies breaks
CSCvm06775	ATOM CW is not exchanged after node reload
CSCvm25921	Signaling interface inactive on "show snmp mib ifmib ifindex de" on IOS 16.6.3
CSCvm70471	'hw-module subslot 0/2 reload' CLI does not activate the container after harddisk format
CSCvm78822	config-sync failure 'aaa authorization commands'
CSCvm84742	Crash after issuing "no ip dhcp snooping VLAN <VLAN #>" command
CSCvn23906	DHCP Server sends Renew ACKs to Clients with 00:00:00:00:00:00 MAC in L2 frame
CSCvn24569	No MPLS label after SSO with ISIS segment routing
CSCvn28017	ISR4331 Routers May Crash When "eigrp default-route-tag" Configured on IPv4 AF

Caveats: Cisco IOS XE Everest 16.6.6

Resolved Caveats - Cisco IOS XE Everest 16.6.6

Caveat ID Number	Description
CSCuw36080	SNMP with Extended ACL
CSCvb87675	BGP event crash@bgp_afpriv_imp_is_imported_path
CSCvh57657	NAT MIB not populated when using traditional NAT
CSCvh77984	Router shows "Flash disk quota exceeded" during the reload, but it still has 60% of free memory left
CSCvj16209	CME with external SIP trunk registration results into crash.
CSCvk32822	QoS stats process crash
CSCvk62792	IKE Fragmentation payload incorrectly marked as critical
CSCvm07353	Router may crash when a SSH session is closed after configure TACACS
CSCvm17883	Standby switch crashes when adding a host name to an object-group

Caveat ID Number	Description
CSCvm56670	ACL dropping packets after updating it - %CPPEXMEM-3-NOMEM
CSCvm61279	Crash under AFW_application_process with shared-line configuration
CSCvm64865	[EIGRP] a summary route is updated by an external route
CSCvm70471	'hw-module subslot 0/2 reload' CLI does not activate the container after harddisk format
CSCvm75066	MPLSoVPN: Change behavior of default route in NHRP. Must insert 0.0.0.0/0 instead of /32
CSCvm84071	CME Consult Transfer and PARK Transfer Result in call-fwd-all Added to the Configuration
CSCvn00218	CUBE Crash in sipSPIAppAddCallInfoUI
CSCvn02419	Device running IOS-XE 16 Polaris Sees Crash When Performing NAT ALG on FTP Packet
CSCvn17530	Router Crashes When PKI-CRL-IO_0 Runs out of Stack Space During Failed DNS Lookup for CA Server
CSCvn18790	Cube crash with %SDP-3-SDP_PTR_ERROR
CSCvn23226	NHRP process is crashing
CSCvn27449	PBR doesn't work for dialer intf when it doesn't have fixed ip address
CSCvn36359	CUBE doesn't forward INVITE with "midcal-signalling passthru media-change" during a video escalation
CSCvn56017	Crash while processing ISIS updates when DiffServ-TE is enabled
CSCvn57165	Static Nat fails to translate SIP Trying L7 header
CSCvn59020	Modified EIGRP timers on Virtual-Template put all associated Vi interfaces into passive mode
CSCvn78349	FlexVPN with password encryption - keyring aaa LIST password 6 xxxxx encrypted again upon reload
CSCvn83172	Router reloads on 'show track' command when there is track object for deleted serial sub-interface.
CSCvo00585	Split DNS in case of UDP query to WAN interface IP via LAN interface
CSCvo03743	zbfw with ip sla icmp echos builds tcp syn session
CSCvo15141	CLI "nat force-on" in voice service voip not working as expected
CSCvo20934	FMAN crash due to Flexible Netflow (fnf)
CSCvo24170	Crash due to chunk corruption in ISIS code

Caveat ID Number	Description
CSCvo27553	PKI incorrect fingerprint calculation during CA authentication
CSCvo47866	Crash at Process = SCCP Auto Config
CSCvo62584	DHCP discover packets were being dropped at firewall since UDP source port as 0.

Open Caveats - Cisco IOS XE Everest 16.6.6

Caveat ID Number	Description
CSCvj56471	Memory leak under CCSIP_UDP_SOCKET / MallocLite
CSCvk51939	SSS Manager Traceback observer when test MLPPP
CSCvo60849	Crash noticed when routes are getting imported twice(from vpnv4 to vrf to evpn) with route churn
CSCvo62122	IOS-XE Router may crash when attempting to Fragment Corrupted IPv4 Packet
CSCvo66216	IPSec-Session count in "show crypto eli" reaches max causing VPN failure
CSCvo74486	IOS-XE ACL port information preserved after encapsulation
CSCvo87827	Crash when polling IPForwarding MIB
CSCvp02119	Crash at mpass_restore_nonbl_persist_state due to invalid vector
CSCvp03110	After Configuring a New VRF Routes Are Not Imported From WAN Into l2vpn EVPN For Unrelated VRF
CSCvj72294	Memory leak happens at CCSIP_SPI_CONTR process for every trunk out-of-dialog message with "contact" header in it.

Caveats: Cisco IOS XE Everest 16.6.7

Resolved Caveats - Cisco IOS XE Everest 16.6.7

Caveat ID Number	Description
CSCvh23735	CSR1000v HA vCUBE IP-4-DUPADDR detected after Active router goes down.
CSCvo08740	TCP 3WAY handshake fail for redirected packet using PBHK.
CSCvp38424	On-Prem DMVPN fails to establish a dynamic tunnel between Spoke nodes.
CSCvq74418	Connectivity is broken on ingress-replication L2DP/VXLAN.

Caveats: Cisco IOS XE Everest 16.6.8**Resolved Caveats - Cisco IOS XE Everest 16.6.8**

Caveat ID Number	Description
CSCvp94050	cpp_bqs_srt_yoda_csr_tree_seid_initialize:1744 is not in "placed" state
CSCvs19166	CPP traceback generated on interface flap with L2 Bridging configured in CSR1000v

Caveats: Cisco IOS XE Everest 16.6.9**Resolved Caveats - Cisco IOS XE Everest 16.6.9**

Caveat ID Number	Description
CSCvw57860	Duplicate entries seen in MAC filter table

Open Caveats - Cisco IOS XE Everest 16.6.9

Caveat ID Number	Description
CSCve01479	e2e ping is failed after configuring profiles qos-de and aaaauth1
CSCvf50723	Packet-tracer error message % Error: Failed to collect packet info
CSCvg77924	FRR feature not working in ESP100 and ESP200
CSCvp49863	Incomplete arp in management interface
CSCvp68166	CDETS to follow up fix "P-bit Sev Err Secs" increasing in patterns of 256 in SM-X-1T3/E3 in ISR4451
CSCvr89973	NIM interfaces go into shutdown after router bootup.
CSCvt15551	Crash observed in QFP in ASR1001-X running 16.06.05 when GPM is running low
CSCvt53843	Dataplane QFP crash with CAPWAP traffic when CAPWAP stripping is enabled
CSCvv33576	IGMP snooping table not populated on ISR4k
CSCvw89147	Crash at the moment of calculating tcp header

Related Documentation

For information about the Cisco CSR 1000v Series and associated services, see: [Documentation Roadmap for Cisco CSR 1000v Series, Cisco IOS XE 16](#).

