Release Notes for Cisco NCS 4201 and Cisco NCS 4202 Series, Cisco IOS XE Everest 16.6.x

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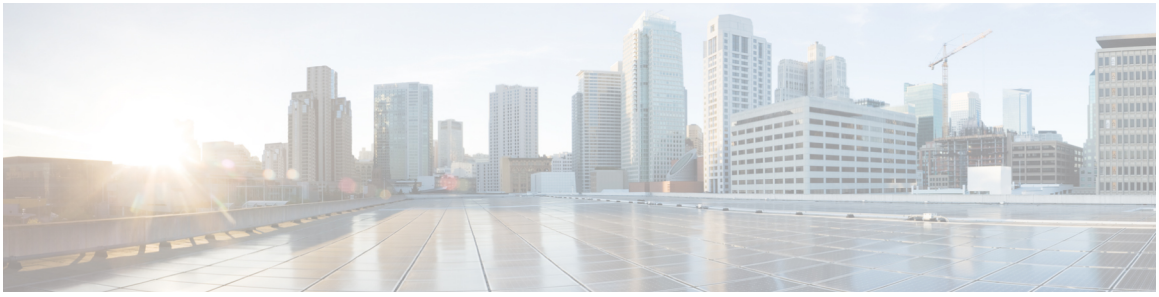

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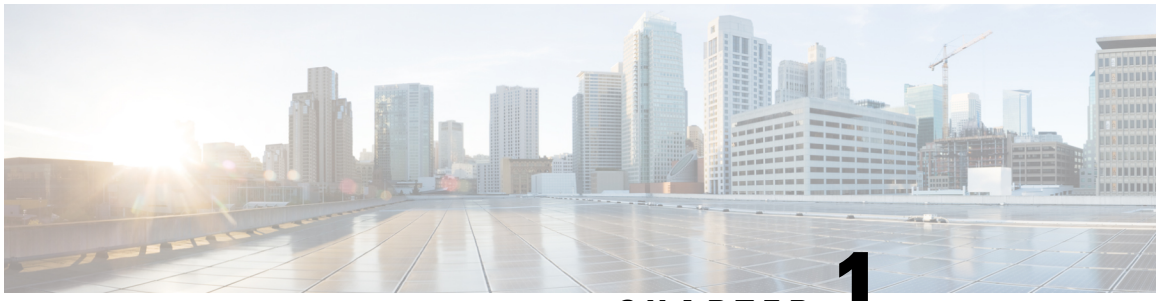


CHAPTER 1

Introduction

This document provides information about the IOS XE software release for the Cisco NCS 4201 and Cisco NCS 4202 beginning with Cisco IOS XE Everest 16.5.1, which is the first supported release in the Release 16 Series.

Cisco NCS 4201 and Cisco NCS 4202 Overview

The Cisco NCS 4201 and NCS 4202 Network Convergence Systems are full-featured, compact one-RU high converged access platforms designed for the cost-effective delivery of TDM to IP or MPLS migration services. These temperature-hardened, high-throughput, small-form-factor, low-power-consumption systems are optimized for circuit emulation (CEM) and business applications. NCS 4201 and NCS 4202 chassis allow service providers to deliver dense scale in a compact form factor and unmatched CEM and Carrier Ethernet (CE) capabilities. They also provide a comprehensive and scalable feature set, supporting both Layer 2 VPN (L2VPN) and Layer 3 VPN (L3VPN) services in a compact package .

For more information on the Cisco NCS 4201 Chassis, see the Cisco NCS 4201 Hardware Installation Guide.

For more information on the Cisco NCS 4202 Chassis, see the Cisco NCS 4202 Hardware Installation Guide.

Feature Navigator

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

Hardware Supported

The following table list the hardware supported for Cisco NCS 4202 chassis.

Chassis	Supported Interface Modules	Part Numbers
NCS 4202	8 port T1/E1 CEM Interface Module	NCS4200-8E1T1-CE

Determining the Software Version

You can use the following commands to verify your software version:

- Consolidated Package— **show version**
- Individual sub-packages—**show version installed** (lists all installed packages)

ROMMON Version

- NCS4201—15.6(31r)S
- NCS4202—15.6(24r)S

Bundled FPGA Versions

The following are HoFPGA versions bundled in the IOS:

- NCS4201—0X00030015
- NCS4202
  - BFD—0X0003001c
  - Netflow—0X00020008

The following is the CEM FPGA version:

- NCS4202—0x10050071

The following are HoFPGA versions bundled in IOS for 16.12.7 and 16.12.6 releases:

- NCS 4201— 0X00040019
- NCS 4202—
  - BFD—0X0003001b
  - Netflow—0X00020008

The following is the CEM FPGA version:

- NCS4202—NA

Limitations and Restrictions on the Cisco NCS 4201 and Cisco NCS 4202 Series

- 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
  ```

- SSFPs are not supported.
- Virtual services should be deactivated and uninstalled before performing replace operations.
- For Cisco NCS 4202 Series:
  - Interface naming is from right to left. For more information, see the Cisco NCS 4200 Series Software Configuration Guide .
  - Packet size greater than 1460 is not supported over IPsec Tunnel.
  - Minimal traffic drop might be seen for a moment when higher rate traffic is sent through the IPsec tunnels for the first time.
  - IPsec is only supported for TCP and UDP and is not supported for SCTP.

Known Issues

Identifier	Description
CSCux22026	supress syslog messages while booting up for internal interfaces

Field Notices and Bulletins

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

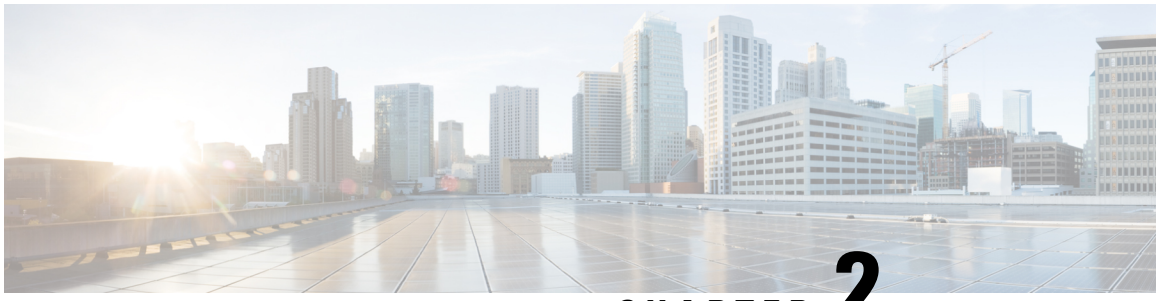
MIB Support

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

Accessibility Features in the Cisco NCS 4201 and Cisco NCS 4202 Series

For a list of accessibility features in Cisco NCS 4201 and Cisco NCS 4202 Series, 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.



CHAPTER 2

New Features

This chapter describes the new hardware and software features supported on the Cisco NCS 4200 Series in this release.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.9

There are no new hardware features in this release.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.9

There are no new software features in this release.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.8

There are no new hardware features in this release.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.8

There are no new software features in this release.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.7

There are no new software features in this release.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.7

There are no new hardware features in this release.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.6

There are no new software features in this release.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.6

There are no new hardware features in this release.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.5a

There are no new software features in Cisco IOS XE Everest 16.6.5a.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.5a

There are no new hardware features in Cisco IOS XE Everest 16.6.5a.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.4

There are no new software features in Cisco IOS XE Everest 16.6.4.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.4

There are no new hardware features in Cisco IOS XE Everest 16.6.4.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.3

There are no new software features in Cisco IOS XE Everest 16.6.3.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.3

There are no new hardware features in Cisco IOS XE Everest 16.6.3.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.2

- You can now configure a new type of trunk EFP, the trunk EFP with encapsulation from the bridge domain (BD). All BDs configured on the router are part of the VLAN list of the encapsulated trunk EFP. The trunk EFP is encapsulated using the encapsulation dot1q from-bd command.

  For more information, see the Carrier Ethernet Configuration Guide, Cisco IOS XE Everest 16.6.1.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.2

There are no new hardware features in Cisco IOS XE Everest 16.6.2.

New Software Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.1

- **1 PPS Pulse Width Configuration**

  On the Cisco NCS 4202 chassis, the 1 PPS pulse bandwidth can be changed from the default value of 500 milliseconds to up to 20 microseconds. For more information, see Configuring Clocking and Timing.

- **Alarm support for 900W**

  Effective Cisco IOS XE Everest 16.6.1, on Cisco RSP3 module, alarm notification is enabled on 900 watts DC power supply. For more information, see Cisco NCS 4200 Series Software Configuration Guide, Cisco IOS XE Everest 16.6.1.

- **IP SLA Statistics UDP Jitter**

  Effective Cisco IOS XE Everest 16.6.1, time stamping for sender (T1, T4) and receiver (T3, T2) is performed by hardware, instead of software to improve the accuracy of jitter and latency measurements. For more information, see IP SLAs Configuration Guide Cisco IOS XE Everest 16.6.1. For more information, see IP SLAs Configuration Guide, Cisco IOS XE Everest 16.6.1 (Cisco NCS 4200 Series).

- **PVST+/RPVST+**

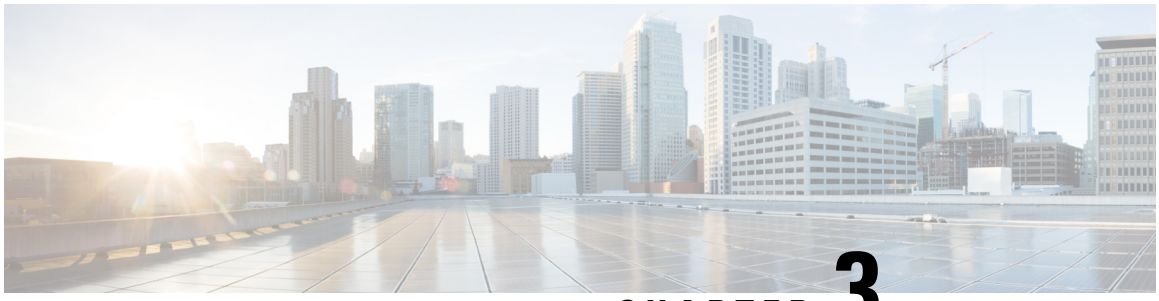
  Cisco ASR routers can use the per-VLAN spanning-tree plus (PVST+) protocol based on the IEEE 802.1D standard and Cisco proprietary extensions, or the rapid per-VLAN spanning-tree plus (rapid-PVST+) protocol based on the IEEE 802.1w standard. For more information, see LAN Switching Configuration Guide, Cisco IOS XE Everest 16.6.1 (Cisco NCS 4200 Series).

- **Segment Routing – Traffic Engineering**

  Segment Routing – Traffic Engineering (SR-TE) provides a simple, automated, and scalable architecture to engineer traffic flows in a network. For more information see, Segment Routing for Cisco IOS XE Everest 16.6.1.

New Hardware Features for NCS 4201 and NCS 4202 in Cisco IOS XE Everest 16.6.1

There are no new hardware features in Cisco IOS XE Everest 16.6.1.



CHAPTER 3

Caveats

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

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

The bug IDs are sorted alphanumerically.

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

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 Everest 16.6.9

Caveat ID Number	Description
CSCvr54918	MPLS MTU not correctly derived from interface MTU after reload
CSCvs19041	Traffic sent to the subnets routed over VRF, packets ends up in Default class - wrong classification

Open Caveats – Platform Independent

Caveat ID Number	Description
CSCvg75709	Unnecessary RIB updates when metric-style transition is configured.
CSCvs15808	VRRPv3 failing on port-channel sub-interface.
CSCvt08609	IOS-XE: secondary ip address invisible when interface configure with DHCP as primary ip address

Resolved Caveats – Cisco IOS XE Everest 16.6.9

There are no resolved caveats for this release.

Resolved Caveats – Platform Independent

Caveat ID Number	Description
CSCvr83128	Cisco IOS and IOS XE Software MP-BGP EVPN Denial of Service Vulnerability
CSCvt78186	Cisco IOS and IOS XE Software Split DNS Denial of Service Vulnerability
CSCvu18001	Segmentation fault observed in BGP - UNIX-EXT-SIGNAL: Segmentation fault(11), Process = BGP Scanner

Caveat ID Number	Description
CSCvu85572	Dynamic neighbor does not form when peer-group is shutdown in different vrf
CSCvv64633	BGP: advertised community list is malformed due to GSHUT community

Open Caveats – Cisco IOS XE Everest 16.6.8

Caveat ID Number	Description
CSCvn55871	T1 serial interface goes down with encapsulation mode as PPP with remote loopback configuration as iboc.
CSCvs03683	Support for NCS4200-1T8LR-PS in NCS4202-SA

Resolved Caveats – Cisco IOS XE Everest 16.6.8

There are no resolved caveats for this release.

Open Caveats – Cisco IOS XE Everest 16.6.7

There are no open caveats for this release.

Open Caveats – Platform Independent

Caveat ID Number	Description
CSCvn22199	ISR4K fails to authenticate users via dot1x following interface flap
CSCvo58118	CTS Environment-data is not getting refreshed on the device
CSCvp66281	default ip forward-protocol udp xx changed to no ip forward-protocol udp xx after rollback
CSCvq56114	Cat3k crash in IGMP code due to invalid source count in DNS lookup
CSCvq57996	RADIUS attribute 4 (NAS-IP-Address) is not honored
CSCvq69866	HSRPv2 crash whilst retrieving group from received packet
CSCvq72298	Router crashed on running show policy-map interface <> output command
CSCvq75307	Crash due to watchdog after adding a prefix-list/ Route-map entry to existing route map.
CSCvq78692	mGRE L3VPN broken after reload

Caveat ID Number	Description
CSCvq89252	IP SLA for Path-Jitter returning a value which isn't defined by the MIB
CSCvq91789	When issuing ip helper-addresss x.x.x.x command, "sh run" and "sh run all" show differently
CSCvq97365	2 interfaces of client in different vrf connected to same vlan of server not able to get ip via dhcp
CSCvr00183	AAA accounting issue after router reload when mGRE and L3VPN configured
CSCvr00344	"ip access-list logging hash-generation" removes ACL statements upon reload
CSCvr05406	LISP Map-cache not updated correctly after wired Host-mobility
CSCvr08961	Switch stop responding to CoA
CSCvr10897	Adjacency SIDs not detected in mpls traffic-eng topology (interop issue)
CSCvr26105	ICMP Redirect Message is sending incorrect next-hop in the "gateway address"
CSCvr26693	The order of cEigrpPeerAddrType value and cEigrpPeerAddr value does not follow SNMP Object Navigator
CSCvr31017	ip gratuitous ARP is not VRF aware
CSCvr32292	Router may crash due to segmentation fault after running EEM script

Resolved Caveats – Cisco IOS XE Everest 16.6.7

Caveat ID Number	Description
CSCvj00222	Intermittent packet drops for small size vrf ping (64-72)
CSCvp24919	ToD UBX Format - Incorrect header and checksum calculation
CSCvp67001	Secure FPGA from improper upgrade
CSCvp86314	Secure FPGA from improper upgrade
CSCvp86329	Secure FPGA from improper upgrade

Resolved Caveats - Platform Independent

Caveat ID Number	Description
CSCvd55092	C3650 traffic will not be block although hit deny ACL entry
CSCvd67904	4500X does not run dot1x when a laptop wakes from sleep mode

Caveat ID Number	Description
CSCve57810	Amur failing over w/o 'fail next-method' or 'no-response next method'
CSCvg32153	"show interface port-channel" falsely reports output drops when there are no actual output drops
CSCvh26032	ICMP Redirect Message is sending incorrect next-hop in the'"gateway address"
CSCvh49874	FNF monitor download to DP failed after changing netflow record
CSCvi22263	Crash when IOS is adapting shaping with Adaptive QoS over DMVPN configured
CSCvj41876	Prefixes are stuck indefinitely in the BGP pending-prefixes list
CSCvj76866	Partial Power Failure in Stack Causes Interfaces to Become "shutdown"
CSCvk51939	SSS Manager Traceback observer when test MLPPP
CSCvm10850	Crash after CPUHOG in ISDN L2D SRQ Process
CSCvm47690	Addition/Edits to numbered OG ACL using "access-list <>" command does not re-expand the ACL.
CSCvn00104	Software crash due to memory corruption after packet trace was enabled.
CSCvn23906	DHCP Server sends Renew ACKs to Clients with 00:00:00:00:00:00 MAC in L2 frame
CSCvn45732	Device crashing if we unconfigure the NTP on the device
CSCvn78961	Subscribers cannot re-login due to CoA time-out (lite-sessions in routed mode)
CSCvo06817	Router crash while executing show commands using '|' (pipe) to filter the output.
CSCvo10145	Memory overlay crash when using include-cui
CSCvo10491	PnP Agent should detect image upgrade scenario and configure dialer to bring up cellular interface
CSCvo17287	ASR1001-X crashed upon receiving Radius Access-Accept message
CSCvo21122	Memory leak at hman process
CSCvo36031	WSMA crash formatting show command output
CSCvo55194	After RSP switchover label imposition was not programmed in Software on APS standby router
CSCvo58098	CTS PACS not downloading to the devices
CSCvo65415	ASR1k crashes by handling DHCP packet
CSCvo71721	When sending account-logon ISG do not reply with ACK nor NACK.
CSCvo87827	Crash when polling IPForwarding MIB

Caveat ID Number	Description
CSCvo90060	Wrong label programming leading to traffic drop
CSCvp24981	When FQDN used for APN, IOS DNS resolves FQDN to IP, but GTP stays in DNS pending and IP 0.0.0.0
CSCvp27220	Tail drops on IPSLA sender when using scaled udp-jitter probes
CSCvp38407	"Radius-server attribute 31" command broken on LNS when LAC sends Remote-Id string
CSCvp70443	isdn cause-location command support for switch-type primary-ntt
CSCvp72379	ip dns primary command does not get removed
CSCvp74674	QoS fails to apply to tunnel2 when underlying tunnel1 reachability change
CSCvp84831	name-ip_address mapping is bypassed when the ip domain command is configured on Cisco C1111X Router
CSCvp87488	no login on-success log CLI does not persist across device reloads
CSCvq00263	Device crashed @ radius_io_stats_timer_handler due to dynamic-author
CSCvq04828	VRF aware reverse DNS lookup not working
CSCvq04989	ping between 2 Interfaces is not working , dialer interface is interferring in the ARP Processs
CSCvq20005	SRMS tries to build a snapshot when there are no SIDs
CSCvq50202	Class-attributes duplicated after EAP reauthen. in ISG radius proxy scenario
CSCvq58265	ASR1K BGP PIC Repair path broke after link flap
CSCvq65283	VXLAN EVPN BGP NEXTHOP not correctly changed with Route-map

Open Caveats – Cisco IOS XE Everest 16.6.6

Caveat ID Number	Description
CSCvn55871	T1 serial interface goes down with encapsulation mode as PPP with remote loopback config as IBOC.

Resolved Caveats – Cisco IOS XE Everest 16.6.6

Caveat ID Number	Description
CSCvn63516	ASR-920: Ports not comming up after 12x1GE upgrade license installation

Open Caveats – Cisco IOS XE Everest 16.6.5a

Caveat ID Number	Description
CSCve53492	IOT: For Serial(with RS232) interface IfType comes as other instead of serial/RS232
CSCve78337	MLP MRAPS Convergence is high on Work-Active SSO node
CSCvf22580	IOT: For C3794 controller Listing type as VOICEEM(100) insteadof VoiceEnCap(103)
CSCvi72770	Unpredictable asymmetry across the port on C37.94 IM
CSCvh05072	Cem Sys : LOF/AIS are set on T3 under STS in arrive but not asserted in IOS
CSCvi40742	Configuration change on E&M interface results in xconnect failure

Resolved Caveats – Cisco IOS XE Everest 16.6.5a

Caveat ID Number	Description
CSCve64323	RSP1:MPLS MTU programming fails on standby with latest image
CSCvg43968	CRETE:Cylon Mgr crash @ adjmgr_get_fid_index
CSCvg90393	ASR920 Platform-SCC: Act 2 authentication failed: 0xFB - ACT2_ERR_READ_FAILURE
CSCvi79409	ENM flaps/hangs on configuring CEM interface
CSCvk62834	16101:cylon_mgr crash@nile_cef_prefix_v4u_get_adj_info seen in soak run on 16th July Polaris image

Open Caveats – Cisco IOS XE Everest 16.6.4

Caveat ID Number	Description
CSCuy84775	Slow response when typing in CLI on telnet session
CSCve53492	IOT: For Serial(with RS232) interface IfType comes as other instead of serial/RS232
CSCvg70409	IOT: For Serial IM, flowcontrol is not applicable
CSCvh32219	Require Environmental Syslog message during Recovery of temperature and voltage Threshold Violation
CSCvi40742	Configuration change on E&M interface results in xconnect failure

Caveat ID Number	Description
CSCvi72770	Unpredictable asymmetry across the port on C37.94 IM
CSCvi79409	ENM flaps/hangs on configuring CEM interface
CSCvj05472	Running line rate traffic on an internal loopback impacts BFD session
CSCvj10722	CEM Pseudo wire flap on SSO
CSCvj22030	ACR fails with -/+ 50 ppm tolerance
CSCuy78963	FNF CLIs are visible for templates other than netflow-video in Striker

Resolved Caveats – Cisco IOS XE Everest 16.6.4

Caveat ID Number	Description
CSCui87222	IP directed-broadcast functionality not working on RSP1/RSP2
CSCve73831	THS:After SSO/ISSU observed AIS Alarm in SYSTEM THS with XE318SP Image
CSCvg21899	Traffic forwarding not happening for VLANs added via "encap dot1q add" command in TEFP
CSCvh52244	Uni-directional communication failure with IOT Legacy IMs
CSCvh55384	Need to Accept User Configurable 4Wire E&M CEM Payload and Dejitter Buffer Values
CSCvh55399	T1 Service Latency is Asymmetric in a Simple Linear Topology
CSCvh76761	RSP3C-200-S RSP module crashes while MPLS TE tunnel interfaces comes up
CSCvi21134	C37.94 port change leads to controller flap
CSCvi25653	TDM-IOT: observing uni-directional traffic failure after replacing TDM IM with IOT IM
CSCvi32766	9400: entSensorThreshold traps are generated even when temperature threshold isn't crossed
CSCvi41087	E&M:Payload size other than multiple of 48 (96,192...) bytes never work in TO mode
CSCvi55229	ENM Type 3 doesnt work on port 4 , if port 0 is also configured for ENM Type TO
CSCvi70138	Adptive Clock Rec and master CEM is chosen automatically on the CEM circuit in IMA8D
CSCvi85693	Mac Flap Syslog Notification not working after reload
CSCvj43887	Type TO is not working for different payload sizes

Caveat ID Number	Description
CSCvj13676	ENM IM : remove signal command from Type TO mode

Open Caveats – Cisco IOS XE Everest 16.6.3

Caveat ID Number	Description
CSCvc27630	Tx Packets or Tx Bytes generated is always lesser than configured rate-steps
CSCve04570	RSP2 MPLS WRT - CFM ping is not working in SLMoVPLS
CSCve08311	CFM ping failing over dot1ad and xconnect interfaces
CSCve57054	IOS shim client iosd-spa took 4432 msec to process a ether_media_type message
CSCvg75829	On Boot-up Cylon_Mgr Crash in L3 Adj EAID Allocation due to Invalid ASIC Index

Resolved Caveats – Cisco IOS XE Everest 16.6.3

Caveat ID Number	Description
CSCvd87285	Display issue - Egress i/f and L2 stats shows "unknown" and no packet drops
CSCvg08224	G8265.1: PTP flaps between HOLDOVER and LOCKED with 64/64 packet rate and HOTSTANDBY
CSCvg36200	IPv4 deny ACL applied in the BDI is blocking L2 switched traffic under certain conditions
CSCvg48170	TCAM phase error message flood in cylon mgr log file
CSCvg53877	Egress QOS Fails when speed is changed at interface via nego auto, speed cli command
CSCvh10730	BFD stuck at init state for Sessin ID 1023 alone on RSP3C after link flap

Open Caveats – Cisco IOS XE Everest 16.6.2

Caveat ID Number	Description
CSCuz24819	Crash seen when WAN-PHY mode is enabled in RSP3
CSCvd08449	RSP2:BCPoMLPPP: %FMFP-3-OBJ_DWNLD_TO_DP_FAILED console logs results in pending/error object
CSCvd87285	Display issue - Egress i/f and L2 stats shows "unknown" and no packet drops

Caveat ID Number	Description
CSCve78337	MLP MRAPS Convergence is high on Work-Active SSO node
CSCve90690	L3 convergence for REP is more than 50ms, which is incorrect
CSCvf03157	RSP3:PC stays in suspended state on IM OIR
CSCvf17498	100BASE EX showing wrong PID in all UEA platforms
CSCvf22580	IOT: For C3794 controller Listing type as VOICEEM(100) insteadof VoiceEnCap(103)
CSCvf72165	RSP3 - Router crash after "debug platform condition" command is applied.
CSCvg08224	G8265.1: PTP flaps between HOLDOVER and LOCKED with 64/64 packet rate and HOTSTANDBY
CSCvg22098	Dev_pluggable inconsistent console log seen in THS
CSCvg36641	Dying gasp snmp trap not seen with RSP2
CSCve64341	Mid Point LSP creation failure after reload with latest polaris Image
CSCvc59505	Member link of Port channel gets removed on doing a SSO on the peer end

Resolved Caveats – Cisco IOS XE Everest 16.6.2

Caveat ID Number	Description
CSCvd75495	Wrong marking for locally generated packet of BFD,LDP, and BGP
CSCve04262	Cylon_Mgr Crash in Adjacency Manager LoadBalance Get FID on Core Gigs Flaps SOAK
CSCve12246	RSP3 which is locked to GNSS VP is not giving better accuracy
CSCve45313	Observing error msg when applying policy map on rs232 interface.
CSCve61214	G8275.1: Master disqualified even though packets are flowign fine
CSCve66013	POE config should be disabled if PSU is 24V DC
CSCve82016	SyncE input does not work on Copper AMS ports configured in auto media-detect mode
CSCve83541	RSP3: IOSd Crash on Deleting PTP Loopbacks during ISSU SOAK
CSCve85154	IOT-E&M:To Clear wp3 abcd_rcvd bits in qslac_intr_status_reg while IM Init.
CSCve87122	Frequency Traceable Flag is set to false on downstream routers when 1pps is made down on TGM
CSCve92481	After PTP reconfiguration, slave stuck in freq-lock state.

Caveat ID Number	Description
CSCve95009	DATA traffic getting wrongly classified in H-QoS
CSCve97758	DS3 VCOP : AIS is not cleared after reload with loopback local configured on VCoP DS3 interface
CSCve97809	Mac Flap Syslog Notification
CSCvf10067	Broadcast Storm detected when interface is brought up
CSCvf10783	Routers Arbitrary File Overwrite Vulnerability
CSCvf14556	VLAN based egress classfication fails for incoming untagged frames; and for tagged frames with POP0
CSCvf17525	CEM shows up in logs when serial card is unpowered.
CSCvf19017	RSP3_GNSS: ToD down after reload on G8275.1T-BC
CSCvf38857	RSP3 PTP BC is not locking to the Master via intermediate PTP aware nodes with tagging enabled.
CSCvf44536	IOT-E&M_CAS:-X-connect down and observed Pseudowire type mismatch with peer error
CSCvf50635	Dynamic stream are getting deleted on ASR920 router with G8275.2 profile <POLARIS> Timing THS
CSCvf52287	DOM not working for SFP-10G-LR from cisco-AVAGO vendor
CSCvf75494	IOT: Session status for RawSocket Server is not correctly displayed.
CSCvf75503	IOT: CLI Allows same TCP port to be configured for the clients and servers.
CSCvf87314	IOT: Raw-Socket TCP Session details is displaying the truncated VRF Names
CSCvf90854	Configured priority2 under ptp clock is not sent downstream when T- BC selected VP
CSCvf91208	Unable to retrieve stream with G8275.2 profile <POLARIS> Timing THS
CSCve64336	RSP1-Continous ESMC tracebacks observed after IMA8T OIR followed by SSO
CSCve98223	Two PW-Group switchover notifications are triggered from PI to PD for a single event
CSCvf05616	Traffic drop, on reconfiguring l2vpn sessions after sso on peer
CSCvf33489	ISIS FRR : FRR ReOpt Issue, FRR state pointing to Label backup even with primary link up

Open Caveats – Cisco IOS XE Everest 16.6.1

Caveat ID Number	Description
CSCvf10067	Broadcast Storm detected when interface is brought up.
CSCve99755	Crash due to DHCP snooping at the moment of changing a bridge domain.
CSCve63177	Label mismatch and traffic black holing
CSCvd85631	Egress i/f and L2 "unknown" causing packet drops and traffic blackholing
CSCve90172	rLFA repair path stays programmed in HW even when primary is back UP
CSCve96485	IGMP snooping: Packet drops due to IGMP leave scenario in different BD
CSCvd87060	ipIfStatsOutForwDatagrams.ipv6 does not increment on 10GigE intf
CSCvd89120	IPsec offload for Data encryption is not supported
CSCvf11195	bootflash flooding with pman message - ISR (slice-3) 'XGPCS_LINE_RX_RXINT
CSCvf09882	IOMD ERR logs on auto-neg observed conitnuously which leads to bootflash space exhaustion
CSCve82016	SyncE input does not work on Copper AMS ports configured in auto media-detect mode
CSCvd08449	BCPoMLPPP: %FMFP-3-OBJ_DWNLD_TO_DP_FAILED console logs results in pending/error object

Resolved Caveats – Cisco IOS XE Everest 16.6.1

Caveat ID Number	Description
CSCvd07855	1 PPS under a virtual port remains down after SSO
CSCvd52872	IPv4 ACL is still active when deleted from interface configuration
CSCvc47552	IPv6-access list with fragments dropping non fragments packets
CSCvc52789	Manager Process crashes at bfd_oamengine_ui_get_tx_buffer_table_idx
CSCvd03965	"MET ENTRYS EXHAUSTED" caused router to crash
CSCuz70566	AN:L2 Channel creation failure
CSCvb32221	L2: OSPF over untag BDI failed after switching from tagged BDI to untag
CSCve27929	Not able to scale IPv4 Tunnels for MVPN GRE

Caveat ID Number	Description
CSCvc26421	Throughput shows inaccurate values in SADT statistics for 1564
CSCvc97815	Unable to configure BGP EVPN services
CSCvc67487	System crash with MVPN GRE with sdm default template
CSCve25677	****MET ENTRYS EXHAUSTED ***** logs seen frequently
CSCvc77467	Out of order/duplicate packets received at the mutlicast receiver end
CSCvc43885	Traffic drop seen for some multicast groups after interface flap in mpls P2MP setup
CSCvc77898	BDI MTU config gets lost after reboot
CSCvb27432	Power over Ethernet support removal in 16.5.1
CSCuv11211	Temperature raise syslog message prints on console when PSU remove and insertion