



Release Notes for Cisco 1000 Series Integrated Services Routers, Cisco IOS XE Bengaluru 17.6.x

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About Cisco 1000 Series Integrated Services Routers

The Cisco 1000 Series Integrated Services Routers (also referred to as router in this document) are powerful fixed branch routers based on the Cisco IOS XE operating system. They are multi-core routers with separate core for data plane and control plane. There are two primary models with 8 LAN ports and 4 LAN ports. Features such as Smart Licensing, VDSL2 and ADSL2/2+, 802.11ac with Wave 2, 4G LTE-Advanced and 3G/4G LTE and LTEA Omnidirectional Dipole Antenna (LTE-ANTM-SMA-D) are supported on the router.



Note Starting with Cisco IOS XE Amsterdam 17.3.2 release, with the introduction of Smart Licensing Using Policy, even if you configure a hostname for a product instance or device, only the Unique Device Identifier (UDI) is displayed. This change in the display can be observed in all licensing utilities and user interfaces where the hostname was displayed in earlier releases. It does not affect any licensing functionality. There is no workaround for this limitation.

The licensing utilities and user interfaces that are affected by this limitation include only the following:

- Cisco Smart Software Manager (CSSM),
- Cisco Smart License Utility (CSLU), and
- Smart Software Manager On-Prem (SSM On-Prem).

Product Field Notice

Cisco publishes Field Notices to notify customers and partners about significant issues in Cisco products that typically require an upgrade, workaround or other user action. For more information, see <https://www.cisco.com/c/en/us/support/web/field-notice-overview.html>.

We recommend that you review the field notices to determine whether your software or hardware platforms are affected. You can access the field notices from <https://www.cisco.com/c/en/us/support/web/tsd-products-field-notice-summary.html#%7Etab-product-categories>.

New and Changed Hardware and Software Features

New and Changed Software Features

New and Changed Software Features in Cisco IOS XE 17.6.6a

There are no new features in this release. This release provides a fix for [CSCwh87343](#): Cisco IOS XE Software Web UI Privilege Escalation Vulnerability. For more information, see the Security Advisory: [cisco-sa-iosxe-webui-privesc-j22SaA4z](#).

New and Changed Software Features in Cisco IOS XE 17.6.6

There are no new software features in this release.



Note See the [End-of-Sale and End-of-Life Announcement for the Cisco IPsec Static Crypto Map and Dynamic Crypto Map Feature in IOS XE](#) page for information about the end-of-life milestones for the Cisco IPsec Static Crypto Map and Dynamic Crypto Map feature.

New and Changed Software Features in Cisco IOS XE 17.6.5a

There are no new features in this release. This release provides a fix for [CSCwh87343](#): Cisco IOS XE Software Web UI Privilege Escalation Vulnerability. For more information, see the Security Advisory: [cisco-sa-iosxe-webui-privesc-j22SaA4z](#).

New and Changed Software Features in Cisco IOS XE 17.6.5

There are no new software features in this release.

New and Changed Software Features in Cisco IOS XE 17.6.4

There are no new software features in this release.

New and Changed Software Features in Cisco IOS XE 17.6.3a

There are no new software features in this release.

New and Changed Software Features in Cisco IOS XE 17.6.2

Table 1: New Software Features in 17.6.2

Feature	Description
Snapshots for PAK Licenses	<p>The library that manages product activation key (PAK) licenses is being deprecated from the software image. To continue supporting and honouring any existing PAK licenses you may have, the system automatically takes a snapshot of the PAK license and triggers a Device-Led Conversion process, to convert the PAK license to a Smart License. For the system to take the snapshot, the software version running on your device must be one of the required releases.</p> <p>For information about the releases in which the system can take a snapshot, and the options that are available with respect to the device and the license, see Snapshots for PAK Licenses.</p>

New and Changed Software Features in Cisco IOS XE 17.6.1



Note Cisco IOS XE Bengaluru 17.6.1a is the first release for Cisco 1000 Series Integrated Services Routers in the Cisco IOS XE Bengaluru 17.6.x release series.

Table 2: New Software Features in 17.6.1a

Feature	Description
CFM operation and action model	<p>This feature introduces a NETCONF/YANG model to perform the following functions:</p> <ul style="list-style-type: none"> • Display Ethernet CFM maintenance-points data for local MEP, local MIP, remote MEP, or database. • Activate or deactivate CFM latching loopback and start or stop OAM remote loopback. • This model helps you to gain more visibility into the timing of the service operations and manage network devices from a centralised orchestration application such as Cisco DNAC. <p>For more information, see Programmability Configuration Guide.</p>
DHCP Asymmetric Lease	<p>This feature allows you to manage or change the lease renewal. It provides options to force renewal of lease and also detects when the lease is nearing the expiry date.</p>
Implementation of System Reports	<p>This feature lets you configure system reports that can provide critical information on issues that cause software crashes.</p>
Phasing Out of Device-Specific HSECK9 Licenses	<p>With the introduction of Cisco Digital Network Architecture (Cisco DNA), there is a change in the entitlement tags for HSECK9 licenses supported on Cisco 1000 Series Integrated Services Routers. Instead of tagging licenses according to a router model (for example, ISR_1100_8P_Hsec), HSECK9 licenses are tagged as <i>Router US Export Lic for DNA (DNA_HSEC)</i>. Starting with this release, if you want to purchase new HSECK9 licenses for these products, we recommend that you buy only DNA_HSEC.</p> <p>If the software version running on the product instance is Cisco IOS XE Bengaluru 17.6.1a or later, it has the following implications:</p> <ul style="list-style-type: none"> • A device-specific HSECK9 license that is already IN-USE, continues to be supported and no further action is required. • For an <i>unused</i> device-specific HSECK9 license in the Smart Account and Virtual Account in CSSM, you can do one of the following to use it on a product instance: <ul style="list-style-type: none"> • Install SLAC in the offline mode. (Generating and Downloading SLAC from CSSM to a File and Installing a File on the Product Instance). • Convert the device-specific HSECK9 license to DNA_HSEC and then install SLAC according to your topology. The product instance can be connected to CSLU or SSM On-Prem or Cisco VManage or Cisco DNA Center or CSSM. (Converting a Device-Specific HSECK9 License). • Downgrade to a software version where you can install a device-specific HSECK9 license (for example, Cisco IOS XE Amsterdam 17.3.6) and then revert to Cisco IOS XE Bengaluru 17.6.1a or later. <p>For more information, see Phasing Out of Device-Specific HSECK9 Licenses.</p>
PPPoE Client over VLAN Interface	<p>The PPPoE Client over VLAN interface enhancement allows you to configure the PPPoE client to establish a PPPoE session over a VLAN interface.</p>

Feature	Description
Pyang version 2.x	The updated pyang plugin version 2.x fixes existing issues such as XPATH validation and upstream pyang issues. Additionally, this version reports all errors in the YANG models to the users and enforces a strict model validation.
Voice: Class of Restriction YANG Configuration Model	<p>YANG models were developed for the following CLIs as part of the Class of Restriction configuration:</p> <ul style="list-style-type: none"> • dial-peer voice <tag> pots/voip corlist • dial-peer voice vad • dial-peer cor custom name <string> • dial-peer cor list <string> member <string> • voice num-exp <string1> <string2> • voice register pool <string> [no] cor {incoming outgoing} cor-list-name {cor-list-number starting-number [- ending-number] default}



Note From Cisco IOS XE Bengaluru 17.6.x, configuring a weak crypto algorithm generates a warning message. However, you can ignore this warning because the working of crypto algorithms is *not* impacted. For more information on weak crypto algorithms, see [Supported Standards](#).

Cisco ISR1000 ROMMON Compatibility Matrix

The following table lists the ROMmon releases supported in Cisco IOS XE 16.x.x releases and Cisco IOS XE 17.x.x releases

Table 3: Minimum and Recommended ROMmon Releases Supported on Cisco 1000 Series Integrated Services Routers

Cisco IOS XE Release	Minimum ROMmon Release Supported for IOS XE	Recommended ROMmon Release Supported for IOS XE
16.6.x	16.6(1r)	16.6(1r)
16.7.x	16.6(1r)	16.6(1r)
16.8.x	16.8(1r)	16.8(1r)
16.9.x	16.9(1r)	16.9(1r)
16.10.x	16.9(1r)	16.9(1r)
16.11.x	16.9(1r)	16.9(1r)
16.12.x	16.9(1r)	16.12(1r)
17.2.x	16.9(1r)	16.12(1r)

Cisco IOS XE Release	Minimum ROMmon Release Supported for IOS XE	Recommended ROMmon Release Supported for IOS XE
17.3.x	16.12(2r)	16.12(2r)
17.4.x	16.12(2r)	16.12(2r)
17.5.x	17.5(1r)	17.5(1r)
17.6.x	17.5(1r)	17.5(1r)

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.7

Bug ID	Description
CSCwh73350	Router keeps crashing when processing a firewall feature.
CSCwi51326	cpp_cp_svr crash after decoding all packets to text (using l2 copy) on FIA trace.
CSCwi40697	Modem may not come back up from FW upgrade with LM960A18 and FN980 modems.
CSCwh99399	FTMD crash observed in ENCS platform while running PWK suite.
CSCvo01546	NHRP reply processing may dequeue an unrelated request.
CSCwh49644	CSDL compliance failure: Use of 3DES by IPsec is denied.
CSCwi01046	PoE module is not providing enough power to bring the ports after an unexpected reload.
CSCwh01425	ITU channel configuration seems not working on router.
CSCwh70449	PMTUD incorrectly converging without attempting to learn a higher MTU.
CSCwi59202	MFG Manhattan C-NIM-2T w/ SwitzerCC cannot boot up in IOS.
CSCwf34171	configure replace command fails due to the license udi PID XXX SN:XXXX line on IOS-XE devices.
CSCwh36801	Crash in IP input process during tunnel encapsulation.

Open Bugs in Cisco IOS XE Bengaluru 17.6.7

There are no open bugs in this release.

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.6a

Bug ID	Description
CSCwh87343	Cisco IOS XE Software Web UI Privilege Escalation Vulnerability. For more information, see Security Advisory: cisco-sa-iosxe-webui-privesc-j22SaA4z

Open Bugs in Cisco IOS XE Bengaluru 17.6.6a

Bug ID	Description
CSCwe37016	The output rate on port channel does not match with the total physical interface output rate.
CSCwh14083	High CPU due to MPLS MIB poll.
CSCwd16559	ISG FFR: ARP request to reroute nexthop IP is not triggered if ARP entry not in ARP table.
CSCwf99647	SRTP cipher failure for RTCP packets when AEAD_AES_256_GCM cipher is used for call.
CSCwh21376	Unable to disable the call-home feature on SDWAN devices.
CSCwb51779	Cisco IOS XE software privilege escalation vulnerability.
CSCwe93070	Tracebacks seen when configuring VRF with 32 characters or more.
CSCwf80400	IOS XE router may experience unexpected reset while executing 'show utd engine standard statistics'.
CSCwd46688	Unable to apply the service policy on tunnel interface.
CSCwf55243	Device is crashing while adding a trustpoint to the router.
CSCwe29301	AOM objects (FMAN_OBJ_ACL_REF) might be missing intermittently after MMA flapping.
CSCwe90119	Device-tracking database entry stuck on UNKNOWN state with temporal mac address.
CSCwh15021	QFP crash when configuring S2S VPN (IKEv2/IPSEC) with Azure vWAN/HUB.
CSCwf55145	SFP transceiver DOM not working after some time, however interface forwards the traffic as expected.
CSCvu85539	Unable to delete wrong interface name.
CSCwd97212	UNIX-EXT-SIGNAL: Segmentation fault(11), Process = IOSXE-RP punt service process.
CSCwe14885	VPN is established although the peer is using a revoked certificate for authentication.
CSCwc67429	CTS PI changes for adding new binding source priority for LISP sourced local host bindings.
CSCwh45169	Unexpected reboot while displaying information from cleared SSS session.
CSCwb99084	OMP routes carrying prepended AS_PATH incorrectly imported into BGP at remote site.
CSCwh49644	CSDL compliance failure : Use of 3DES by IPsec is denied.

Bug ID	Description
CSCwe91898	Environmental syslog is not appearing when power cord is disconnected from the redundant PS.
CSCwb89958	Unified policy HSL not sending properly NBAR application information.
CSCvz68895	The device crashed after adding trustpoint.
CSCvz32960	%IOSXE-3-PLATFORM: R0/0: /usr/sbin/pkg_to_tree: Failed to parse the key record 0. (28).
CSCwf95535	Intf/System XML files are not generated on cEdge.
CSCwf99947	Crash when modifying tunnel after running show crypto commands.
CSCwd16419	Unexpected reload generates pubd core..
CSCwd97077	Leaking memory in MallocLite because of telemetry subscription to collect FNF cache.
CSCvy94747	GRACEFUL-RELOAD: Wrong state: 1 to receive chasfs event.
CSCwh30377	Data plane crash in Umbrella/OpenDNS processing due to incorrect UDP length.
CSCwf34171	configure replace command fails due to the license udi PID XXX SN:XXXX line on IOS-XE devices.
CSCwh45579	Unexpected reload on device ucode core @l2_dst_output_goto_output_feature_ext_path
CSCvz82148	%CRYPTO_SL_TP_LEVELS-6-VAR_NEW_VALUE message is observed in each write config with same crypto value.
CSCwf80191	Flowspec on device does not revoke.
CSCwh26218	Ce0/2/0 DDR: No free dialer - starting fast idle timer.
CSCwh00963	Unable to migrate from ADSL to VDSL without reboot on C1117-4PLTEEA.
CSCwf41084	Extranet multicast code improvements for better handling of data structure.
CSCwc87565	Unexpected reload due to a watchdog on the kernel.
CSCwf00276	Packets with L2TP headers cause the router to crash.
CSCwf61720	C1111-8PWH no licenses in use after upgrading from Traditional to Smart Licensing IOS-XE versions.
CSCwe85301	Crypto PKI-CRL-IO_0 process crash when PKI trustpoint is being deleted.
CSCwe24491	Static NAT with HSRP stops working after removing/adding standby.
CSCwh42119	Ucode crash when ZBFW is configured on inside interfaces.
CSCwf71557	IPv4 connectivity over PPP not restored after reload.
CSCwh01738	Unexpected reload when using rsh/rcmd.

Bug ID	Description
CSCwf59929	CTS CORE process crash after configuring role based ACL.
CSCwh35397	Intermittent one way audio on RTP to SRTP calls with SSRC and seq num changes.
CSCwh20577	Crashed by TRACK client thread at access invalid memory location.
CSCwe21703	DMI for RESTCONF/NETCONF enters degraded state due to discriminator configured.
CSCvz20285	SDWAN image info not updated in packages.conf when upgrading in autonomous mode.
CSCwf60120	Static NAT entry gets deleted from running config; but remains in startup config.
CSCwf26494	BDI + NTP configuration puts DMI process in degraded mode.
CSCwd94495	SSM On-Prem responds with message completed to poll_id requests without ACK data.
CSCwh12093	Enable SoS/ROC feature for DSL.

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.6

Bug ID	Description
CSCwe09745	Memory leak in pubd when continuously trying to connect to remote peer.
CSCwd63063	Standby BGP session receives incorrect routes from active.
CSCwe19084	NAT: Traffic is not translated to the same global address though PAP is configured.
CSCvz12193	snmpwalk: Authentication failure, with MD5 SNMPv3 user.
CSCwd90168	Unexpected reload after running show voice dsp command while an ISDN call disconnects.
CSCwe60059	Crash when using dial-peer groups with STCAPP.
CSCwe24210	SNMP MIB does not show correct firmware version for C1100 LTE module.
CSCwe09805	OID for SNMP monitoring of DSP resources are not working as expected.
CSCwb81159	L2RIB thread crash when updating the MAC-IP.
CSCwe36122	ISIS crash when performing TI-LFA calculation.
CSCwf03193	Device crash with crashinfo files were generated with Segmentation fault, Process IPSEC key engine.
CSCwf59173	Segmentation fault at IPv6 BGP backup route notification.
CSCwe10905	vEdge - vBond tracker.
CSCwd88554	Filesystem leak on standby switch of SVL setup.

Bug ID	Description
CSCwe20008	SNMP MIB OID changing its last index.
CSCwf00769	L2RIB thread crash after removing EVPN member from bridge domain.
CSCwf39552	Segmentation fault by process mDNS on device.
CSCwf83301	Device displays incorrect values for call quality statistics(RTT/MOS).
CSCwe72462	Username/Password under voice register pool gets deleted post CME reload.
CSCwe25006	An unexpected removal of the underlay S,G entry resulting ~20s disruption in the multicast flow SDA.
CSCwe21042	NBAR DP traceback - Failed to process non-graph batch message: wrong batch id is logged.
CSCwf47796	NHRP cache entries flood matching a /32 default route.
CSCwe32862	Router IOS-XE crash while executing AES crypto functions.
CSCwf09758	Watchdog crash while importing a large CRL file into switch.
CSCwf67564	Observed memory leak at process SSS Manager.
CSCvy87339	Telemetry subscription fails to connect to grpc receiver when multiple XPATH changes are made to it.
CSCwe41946	DTMF is failing through IOS MTP during call on-hold.
CSCvq81894	Check nexthop reachability before installing route for a prefix.
CSCwe52796	Intermittent one way audio issue after hold and resume. SRTP to RTP.
CSCwd17272	UTD packet drop due to fragmentation for ER-SPAN traffic.
CSCwd09685	Memory leak found @nfra/green/cep/src/cep.c.
CSCwe64213	LSPVif removal on OIF for RP discovery group 224.0.1.40 with timing related trigger.
CSCwf47563	Device is crashing after importing the trustpoint with rsakeypair.
CSCwe12194	Auto-update cycle incorrectly deletes certificates.
CSCwe33793	Memory allocation failure with extended antireplay enabled.
CSCwd59423	Unexpected reload on device caused by WNCd process after removing a VLAN from a VLAN-GROUP.
CSCwc03176	Device crashes when applying a service-policy to a newly created tunnel.
CSCwa96399	Configuring entity-information xpath filter causes syslogs to print, does not return data.
CSCwf48808	FlexVPN: Stale client routes stuck in RIB on FlexServer.

Bug ID	Description
CSCwe24044	IOS XE device may experience an unexpected reset with high volume of multicast.
CSCwb47153	Keyman process crash.
CSCwb59052	Observe traceback message when BVM client do Inter-xTR roaming.
CSCwd73783	Observed qfp-ucode-wlc crash.
CSCwfl4135	SIPREC recording fails in transfer scenario when certian options are enabled in configuration.
CSCwf56463	IOS process crash during VRRP hash table lookup.
CSCwf44649	LISP failed to recreate the more specific away table entries after less specific entries toggled.
CSCwe23150	CUBE memory leak sdp_copy_all_attrs sdp_parse_attribute sdp_add_new_attr.
CSCwe83169	Pseudowire control word not working on device.
CSCwf39490	MCID (Malicious Call Identification) gets broken due to custom prefix setting under STCAPP FAC.
CSCwa92418	hide cisco-smart-*.yang from SDWAN device by adding tailf:hidden fullâ annotations.
CSCwd99921	IOS XE software crash while validating certification trust.
CSCwfl6332	HSRP loss communication with HSRP neighbor after two weeks of being configured.
CSCvy14316	MPLS VPN traffic dropped due FDB OOM with cause FIAError under scale flow number (<1M).
CSCwe69783	Device can lose its config during a triggered resync process if lines are in an off-hook state.
CSCwe56033	Not triggering any alarms when RPM of a fan is 0.
CSCwf08019	TACACS+ authentication stops working after changing AES encryption key on the WLC.
CSCwe36743	Segmentation fault - crash - SSH - when changing AAA group configs.
CSCwe41234	VMWI race condition causes no ringing for analog phones.
CSCwf55830	No dial tone on analog phones due to DSP going into power denial state.
CSCwf65799	fpm crash on device after Power ON when trying to sync the config.
CSCwe97579	Spoke-spoke cache refresh not working correctly in case of multiple cache entries for same next hop.
CSCwf41082	MallocLite memory leak observed in HTTP CORE allocator.
CSCwh11858	Switch running IOS-XE crashes when removing FQDN ACL.

Bug ID	Description
CSCwc89823	Router crashes due to CPUHOG when walking ciscoFlashMIB @snmp_platform_get_flash_file_info.
CSCwf29859	Logging in get-config processing affecting the template push fail.
CSCwd28734	Memory leak in pubd causes switch reload.
CSCwf27815	DSP resource can not be release after end the call.
CSCuq20562	ISDN memory leak when PRI link flaps, crashes router.
CSCwf01986	Radius attribute 31 not being sent on device for CTS Pac provisioning.
CSCwf03292	I/O middle pool leaking when VOIP trace is enabled.
CSCwe66318	NAT entries expire on standby router.
CSCwh05407	Gateway disconnecting incoming calls when FPI correlator is not released after disconnect on PRI leg.
CSCwe39011	GARP on port up/up status from router is not received by remote peer device.
CSCwf14589	IOS-XE switch may experience a segmentation fault with L2VPN EVPN when clearing duplicate MAC.
CSCwe70237	Cube reloads due to a segmentation fault in CCSIP_SPI_CONTROL process.
CSCwd12330	Invalid TCP checksum in SYN flag packets passing through router.
CSCwh04884	VC down due to control-word negotiation.
CSCwf24164	Netflow stops working when flow monitor reaches cache limit.
CSCwd49177	ISG: L2-connected subscriber: IPv6 prefix delegation is not reachable when packet are switched.
CSCwf08698	Crashes unexpectedly due to a fault in the TLSCLIENT_PROCESS.
CSCwe18124	MACSEC remains marked as SECURED, but randomly the traffic stops working.

Open Bugs in Cisco IOS XE Bengaluru 17.6.6

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CSCwe37016	The output rate on port channel does not match with the total physical interface output rate.
CSCwh14083	High CPU due to MPLS MIB poll.
CSCwf68612	WLC unexpected reload due to segmentation fault in WNCd process.
CSCwd16559	ISG FFR: ARP request to reroute nexthop IP is not triggered if ARP entry not in ARP table.

Bug ID	Description
CSCwf99647	SRTP cipher failure for RTCP packets when AEAD_AES_256_GCM cipher is used for call.
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CSCwe14885	VPN is established although the peer is using a revoked certificate for authentication.
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CSCvz82148	%CRYPTO_SL_TP_LEVELS-6-VAR_NEW_VALUE message is observed in each write config with same crypto value.
CSCwf80191	Flowspec on device does not revoke.
CSCwh26218	Ce0/2/0 DDR: No free dialer - starting fast idle timer.
CSCwh00963	Unable to migrate from ADSL to VDSL without reboot on C1117-4PLTEEA.
CSCwf41084	Extranet multicast code improvements for better handling of data structure.
CSCwc87565	Unexpected reload due to a watchdog on the kernel.
CSCwf00276	Packets with L2TP headers cause the router to crash.
CSCwd05362	Performance issue on platform.
CSCwf61720	C1111-8PWH no licenses in use after upgrading from Traditional to Smart Licensing IOS-XE versions.
CSCwe85301	Crypto PKI-CRL-IO_0 process crash when PKI trustpoint is being deleted.
CSCwe24491	Static NAT with HSRP stops working after removing/adding standby.
CSCwh42119	Ucode crash when ZBFW is configured on inside interfaces.
CSCwf71557	IPv4 connectivity over PPP not restored after reload.
CSCwh01738	Unexpected reload when using rsh/rcmd.
CSCwf59929	CTS CORE process crash after configuring role based ACL.
CSCwh35397	Intermittent one way audio on RTP to SRTP calls with SSRC and seq num changes.
CSCwh20577	Crashed by TRACK client thread at access invalid memory location.
CSCwe21703	DMI for RESTCONF/NETCONF enters degraded state due to discriminator configured.

Bug ID	Description
CSCvz20285	SDWAN image info not updated in packages.conf when upgrading in autonomous mode.
CSCwf60120	Static NAT entry gets deleted from running config; but remains in startup config.
CSCwf26494	BDI + NTP configuration puts DMI process in degraded mode.
CSCwd94495	SSM On-Prem responds with message completed to poll_id requests without ACK data.
CSCwh12093	Enable SoS/ROC feature for DSL.

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.5a

All resolved bugs for this release are available in the [Cisco Bug Search Tool](#).

Bug ID	Description
CSCwh87343	Cisco IOS XE Software Web UI Privilege Escalation Vulnerability. For more information, see Security Advisory: cisco-sa-iosxe-webui-privesc-j22SaA4z

Open Bugs in Cisco IOS XE Bengaluru 17.6.5a

Bug ID	Description
CSCwd79089	Device controller crash when sending full line rate of traffic with >5 Intel AX210 stations.
CSCvq81894	Check next hop reachability before installing route for a prefix.
CSCwb99084	OMP routes carrying prepended AS_PATH incorrectly imported into BGP at remote site.
CSCwd17272	UTD Packet drop due to fragmentation for ER-SPAN traffic.
CSCwb89958	Unified policy HSL not sending properly NBAR application information.
CSCwd89338	Clear ISG existing lite-session upon reception of DHCP packet for same client.
CSCwc37603	Device slot 0/1 crash after changing switchport with allowed wide range VLANs from trunk to access.
CSCwd49177	ISG: L2-connected subscriber: IPv6 prefix delegation is not reachable when packets are switched.
CSCwd12330	Invalid TCP checksum in SYN flag packets passing through router.

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.5

Bug ID	Description
CSCwc39012	Crash saving tracelogs after "too many open files" error.
CSCwc77663	Device frequently reloads due to stuck thread in CPP.
CSCvy60839	CSDL compliance: Add CLI to disable CSDL compliance.
CSCwc82140	QFP crash when ZBFW configuration features "log dropped-packets" configuration.
CSCwc99823	FMAN crash seen in SGACL@ fman_sgacl_calloc.
CSCvz92994	Lack of MAC address in inform event message.
CSCwc89328	Device might reboot when supporting explicit IV joins network.
CSCwb52324	Device unexpected reload due to QFP ucode crash.
CSCvz93612	%HW_FLOWDB-3-HW_FLOWDB_DBLDEL_FEATOBJ: FlowDB featobj cannot be deleted twice.
CSCwd61255	Data plane crash on device when making per-tunnel QoS configuration changes with scale.
CSCwb04815	NHRP process taking more CPU because of FlexVPN event trace.
CSCwc22314	RTSP traffic not being rewritten by NAT.
CSCwc88791	DSL: erroneous atm interface counter at DSL retraining.
CSCwc20845	CWMP : Port mapping does not add VRF name to NAT rule.
CSCwd30578	Wired guest client stuck at IP_LEARN with DHCP packets not forwarded out of the foreign to anchor.
CSCwd56131	[C1121, IR1101]LTE modem does not show GSM bands.
CSCvz89354	Router running crashes due to CPUHOG when walking ciscoFlashMIB.
CSCwb73395	Need CLI option to disable ALG.
CSCwc54463	LAN module is down when high CPU noticed.
CSCwc72923	ERROR info: Router configuration failed:interface Serial0/1/0:23 isdn switch-type primary-ntt.
CSCwb08057	ISG: Number of lite sessions conversion in progress counter not decrementing on failed account-logon.
CSCwd47123	ISG uses identifier mac-address 0000.0000.0000 when DHCP LQ does not reply.
CSCwb32635	File is incomplete when running admin-tech.
CSCwd72312	GETVPN : Traffic drops seen on GM after rekey installing policies on image.

Open Bugs in Cisco IOS XE Bengaluru 17.6.5

Bug ID	Description
CSCwd79089	Device controller crash when sending full line rate of traffic with >5 Intel AX210 stations.
CSCvq81894	Check next hop reachability before installing route for a prefix.
CSCwb99084	OMP routes carrying prepended AS_PATH incorrectly imported into BGP at remote site.
CSCwd17272	UTD Packet drop due to fragmentation for ER-SPAN traffic.
CSCwb89958	Unified policy HSL not sending properly NBAR application information.
CSCwd89338	Clear ISG existing lite-session upon reception of DHCP packet for same client.
CSCwc37603	Device slot 0/1 crash after changing switchport with allowed wide range VLANs from trunk to access.
CSCwd49177	ISG: L2-connected subscriber: IPv6 prefix delegation is not reachable when packets are switched.
CSCwd12330	Invalid TCP checksum in SYN flag packets passing through router.

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.4

Bug ID	Description
CSCwb95559	Packet sanity failed for resolution reply on spoke due to missing SMEF capability.
CSCvz93712	VFR is enabled by feature NAT but there is no NAT configured on the interface.
CSCwa84919	Revocation-check crl none does not failover to NONE DNAC-CA.
CSCvz63684	EWC HA pair experiencing IOS tracebacks, followed by KEYMAN crash.
CSCwb25137	[XE NAT] Source address translation for multicast traffic fails with route-map.
CSCwb02142	Traceback: fman_fp_image core after clearing packet-trace conditions.
CSCwb25913	After configuring match input-interface on class-map, router goes into a reboot loop.
CSCwb32059	Cellular interface tracker down but NAT route persists in the service VPN routing table.
CSCvz98547	Devices should not show warning message during reload.
CSCwc06967	IOS PKI client uses incorrect search filter for CRL retrieval using LDAPv3.
CSCwc37320	RP switchover causes linecard NFS mount failure resulting in memory leak.
CSCwb05743	Crash seen with umbrella config during soak run.

Bug ID	Description
CSCwb11389	NAT translation stops suddenly (ip nat inside does not work).
CSCvz83016	BFD tunnel uptime not showing correct values post upgrade.
CSCwb43605	Device OMPd crash during RIB-out attribute aspath/community processing.
CSCwc13013	IPSec key engine process holding memory continuously and not freeing up.
CSCwb90470	Device crashed with last reload reason critical process cxdp fault.
CSCwb73511	Device is not able to bring up SIG tunnels after reboot.
CSCwb91729	Fix mishandling of policy sequence programming failures and notify with syslog/notification.
CSCwa67886	UDP based DNS resolution does not work with IS-IS EMCP on IOX-XE.
CSCwb85046	Device reloads when group-range is configured under an interface group-async.
CSCwc39881	CSR generated from hardware device contains "/" in common name.
CSCvz23982	IOS sending UP event for the sub interface which is in down state.
CSCvx93283	Service chain is not created when tracking is disabled.
CSCvx18302	Speed test to internet failing on devices.
CSCvz99832	Device per class BFD - echo response pkts.
CSCwb08636	IPSEC-3-HMAC_ERROR: IPSec SA receives HMAC error seen for TLOCExt setup after upgrade.
CSCvx74917	DNS packets are not redirected to configured custom DNS after umbrella template edit.
CSCwa72273	ZBFW dropping return packets from tunnel post device upgrade.
CSCwb55683	Large number of IPSec tunnel flapping occurs when underlay is restored.
CSCwa64955	Device loses control connections after installing new enterprise hardware.
CSCwa92137	Device is changing ICMP ID in ICMP echo replies intermittently.
CSCwa49721	HUB with firewall configured incorrectly dropping return packets when routing between VRFs.
CSCwb38501	Support IGMP on voice vlan.
CSCwa51582	IP device-tracking not functional with voice VLAN configured.
CSCwa81471	AOM pending objects with loopbacks binded to tloc-extended interfaces.
CSCwb49857	Memory leaks on keyman process when key is not found.

Bug ID	Description
CSCwb76866	CSDL failure: Use of MD5 by IPSEC key engine is denied.
CSCwb16723	Traceroute not working on device with NAT.
CSCwb08186	E1 R2 - dnis-digits cli not working.
CSCwa80826	IOS-XE: Devices running crypto ipsec policy installation fails.
CSCwb83376	Device endpoint-tracker cannot be configured on a 100G interface.
CSCwc13304	Per-tunnel QoS counters and shapers not working for some bfd tunnel with stale 'nh_overlay' objects.
CSCwa67398	NAT translations do not work for FTP traffic on device.
CSCwb78173	CSDL failure: IPsec QM Use of DES by encrypt proc is denied.
CSCwb71658	[SIT] Traceback seen on device after enabling ipsec_pwk and reboot.
CSCwb76170	IPsec SIG auto tunnels are not coming up.
CSCwb41907	CPP uCode crash due to ipc congestion from dp to cp.
CSCwb74917	Device incorrectly drops ip fragments due to reassembly timeout.
CSCwc25854	Device ucode crash due to SIGABRT from bnxt_start_xmit.
CSCvy54048	CPP unexpected reboot while freeing CVLA chunk.
CSCwa30857	Internet speed test with loopback binding mode does not work with implicit ACL drop for return traffic.
CSCwb14020	Serial interface stuck in "line protocol is down" state after it went down and it is recovered.
CSCwa98545	Checks of route leaks creates memory corruption.
CSCwb46649	NAT translation do not show (or use) correct timeout value for an established TCP session.
CSCwa08847	ZBFW policy stops working after modifying the zone pair.
CSCwc33311	Device crash @ imgr_n2_ipsec_sa_ctx_register.
CSCwa26599	FN980 new signed telit modem firmware FN980M_38.02.X92 upgrade failed.
CSCwb12647	Device crash for stuck threads in cpp on packet processing.
CSCwc04688	Device crash observed after enabling NWPI trace with IPv6 traffic.
CSCwb78290	Device request gives results intermittently.
CSCwb76988	IKEv2 fragmentation causes wrong message ID used for EAP authentication.

Bug ID	Description
CSCvw50622	NHRP network resolution not working with link-local IPv6 address.
CSCwb59736	CSR BFD tunnel are zero.
CSCwa57873	Incorrect reload reason - last reload reason: LocalSoft for netconf initiated request.
CSCvz37340	The [service timestamps log datetime msec localtime] command cannot be pushed via CLI sddon template.
CSCwb99793	CRL verification failure result 400 bad request with DigiCert.
CSCwa25256	Installing new enterprise WAN does not remove old cert causing device to use old cert.
CSCwb51595	Missing IOS config (voice translation rule) on upgrade.
CSCwb40575	After device upgrade, umbrella DNS config set to NONE in show umbrella config.
CSCwb18315	Umbrella DNS security policy does not work with cloud onRamp with SIG tunnels.
CSCwb58468	Sig autotunnels: Tunnel 409 response received.
CSCwc04289	Inconsistency between path MTU discovery result and tunnel MTU.

Open Bugs in Cisco IOS XE Bengaluru 17.6.4

Bug ID	Description
CSCwc39012	Crash saving tracelogs after too many open files error.
CSCwb62474	Device may crash when doing speedtest with WAN flapping.
CSCwc23077	Firewall drop seen stating "FirewallL4" seen on device.
CSCwb74821	Yang-management process confd is not running.
CSCvz92994	Lack of MAC address in Inform Event message.
CSCwc50477	Device crashed in ipv4_nat_create_out2in_session_entry.
CSCwc55260	Memory leak due to FTMD process.
CSCwb99084	OMP routes carrying prepended AS_PATH incorrectly imported into BGP at remote site.
CSCwb89958	Unified policy HSL not sending NBAR application information properly.
CSCwc59598	Statistics collection causing service-side BFD to flap on every collection interval.
CSCwc52538	Flows are not distributed and load-balanced evenly and consistently.
CSCwc22314	RTSP traffic not being rewritten by NAT.

Bug ID	Description
CSCwb83236	Traceback: QFP core after pushing data policy with IPv6 interface.
CSCwc67465	Device can not be upgraded.
CSCwc37603	Slot 0/1 crash after changing switchport with allowed wide range vlans from trunk to access.
CSCwc25291	NIM-LTE-EA no data - requires subslot reload to recover.
CSCwc63563	Unable to set specific speed and duplex values on SFP ports on IOS-XE routing platforms.
CSCvz89354	Device crashes due to CPUHOG when walking ciscoFlashMIB.
CSCwc43973	DLC is not completing after upgrading to Smart Licensing from CSL.
CSCwc55467	BFD Tunnel on router is not staying up, 1 out of 40 tunnels.
CSCwc54463	LAN module is down when high CPU noticed.
CSCwc42978	Device loses all BFD sessions with invalid SPI.
CSCwc30050	UTD: Exception in utd_logger.py due to missing extra-data in AMP alert.
CSCwc27208	BFD sessions not coming UP because of ANTI-REPLAY-FAILURES.
CSCwc14688	Single WAN interface subslot 0/0 timing.
CSCwd36511	Ping fail to VRRP virtual IP address.

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.3a

Bug ID	Description
CSCvz98446	Device crashed when changing Debug Level
CSCvy63924	Telemetry: IOS-XE Controller crashes after using 'show telemetry ietf subscription all' command.
CSCvx40516	17.5 ZBFW + NAT: Traffic flow In2Out scenario failed
CSCwa26509	Shut/no shut of endpoint-tracker attached tunnel, doesn't create probe again on 17.6.2
CSCvz98373	ZBFW : FirewallPolicy drops seen with RTSP traffic in steady state
CSCvz71436	Call Placing issue from SCCP phones
CSCvy69846	Guestshell:.py files stored under /home/guestshell are lost after reboot on 1ng device
CSCvy57681	Unexpected reboot of IOS-XE Router in BQS QM @ cpp_qm_proc_rt_commit
CSCvz86591	VRF-aware static NAT with route-map and reversible not working

Bug ID	Description
CSCwa30988	CoS preservation not working for the services EVPL and EPL tunnel
CSCwa36699	Prefetch CRL Download Fails
CSCvz62032	Attach gateways failed in cloud express
CSCwa19074	Infinite output from command show sdwan tunnel sla
CSCwa80474	IKEv2 Deprecated Ciphers denied by Crypto Engine CDSL - Cisco PSB Security Compliance
CSCvv82985	dhcpv6_relay:dhcp-client on branch not receive ipv6 address
CSCwa76260	IKEv2 Deprecated Ciphers denied by Crypto Engine CDSL - Cisco PSB Security Compliance
CSCvt66541	Crypto PKI-CRL-IO process crash when PKI trustpoint is being deleted
CSCwa11150	E1 configurations (under Serial interface) lost after reload.
CSCvz41647	Partial multicast drops are seen after a failover event in a site with two cedges
CSCvz76277	Hostname not allowed beginning with numbers
CSCvz34668	Static mapping for the hub lost on one of the spokes
CSCwa15085	Router Crash due to Stuck Thread with appnav-xe dual controller mode.
CSCvx28426	Router may crash due to Crypto IKMP process
CSCwa18177	Flapping bidirectional/unidirectional packet capture option with ipv4 filter for long time failed

Open Bugs in Cisco IOS XE Bengaluru 17.6.3a

Bug ID	Description
CSCvz93712	VFR is enabled by feature NAT but there is no NAT configured on the interface
CSCvy72970	Active ftp not working with UTD+HTX for security and Unified policy.
CSCwa39336	Device cannot transfer files
CSCvz98547	Device platforms should not show warning message during reload
CSCvx74917	[17.5 Umbrella] DNS Packets are not redirected to configured Custom DNS after Umbrella Template Edit
CSCvx42400	Experiences Unexpected reboot with: Last reload reason: Critical software exception
CSCwb00533	Traffic is getting dropped/blackholed due to OCE_ADJ_DROP reason.
CSCvz05814	Cw and issue observed ..potential crash

Bug ID	Description
CSCwb25913	(Rework): After configuring match input-interface on class-map, router goes into a reboot loop
CSCwb03455	Inter-vrf route leaking not working and packet drop seen due to Ipv4Unclassified
CSCwa72273	ZBFW dropping return packets from Zscalar tunnel post cedge upgrade to 17.3.4.
CSCwa68471	Traceback: CPP ucode core generated after HSRP priority change
CSCwa51582	ISR1k: IP Device-tracking Not Functional with Voice VLAN Configured
CSCwb18223	SNMP v2 community name encryption problem
CSCwb08186	E1 R2 - dnis-digits cli not working
CSCwa81471	AOM pending objects with loopbacks binded to tloc-extended interfaces
CSCvz28950	DMVPN phase 2 connectivity issue between two spokes
CSCvy54048	CPP Unexpected Reboot While Freeing CVLA Chunk
CSCwa98545	Checks of route leaks creates memory corruption.
CSCvz08674	Device rebooted 2 time with CPP 0 failure Stuck Thread
CSCwa76875	After configuring match input-interface on class-map, router goes into a reboot loop
CSCwa08847	ZBFW policy stops working after modifying the zone pair
CSCwa26599	FN980 new signed Telit modem firmware FN980M_38.02.X92 upgrade failed
CSCwa29964	SCEP fails if AAAA DNS reply is received and source interface has no IPv6 address
CSCwb02142	Traceback: fman_fp_image core after clearing packet-trace conditions
CSCvz55275	Show DMVPN command displays incorrect state
CSCwa74499	ZBFW seeing the SIP ALG incorrectly dropping traffic and resetting connection
CSCwb18315	Umbrella DNS security policy doesn't work with Cloud onRamp

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.2

Bug ID	Description
CSCvz38312	Tx queue hang issue on RJ45 ports
CSCvy24936	vBond connections continuously flapping on devices.
CSCvy37285	SSH to Loopback not working
CSCvy44723	Control connection to the edge device doesnt come up with v6 and reverse proxy

Bug ID	Description
CSCvy54606	CVLA need to reserve at least 50M memory for low-end DRAM platform
CSCvy74799	Ucode crash observed at tw_bad_timer_bucket () at ../../infra/tw_timer.c:918
CSCvy74977	Device flooded with Tx Unit Hang messages
CSCvy85281	Crash triggered by crypto gdoi ks rekey replace-now
CSCvy89362	QOS-3-INVALID_BQS_QUEUE_INFO: Drop policy given an invalid scheduling queue/wred 0/0 -Traceback
CSCvy89461	Crash when getting cdspCardStatusEntry OID
CSCvy89785	OSPFv3 adjacency will not come up after ospfv3 authentication ipsec is applied on Tunnel interface
CSCvy92960	FirewallNonsession drops when starting 80K flows
CSCvy95586	SCCP gateway auto configuration download results in an incomplete configuration.
CSCvy97578	Need Active/Active ZBFW support for Inter-vrf TCP traffic
CSCvy97761	IPV6 route is breaking control connection.
CSCvy98784	AppQoE DP stats for active connections shows huge bogus value
CSCvy99344	Multicast UnconfiguredIpv4Fia drop when multicast interworks with service chain/NAT DIA
CSCvz00054	Device nested IPsec tunnels encryption does not work as expected
CSCvz03053	OMP continues to redistribute BGP route with down bit set (SoO)
CSCvz03342	Multicast boundary command on tunnel interface DMVPN network is sending ttl=1 packet
CSCvz06952	vSmart crash on ompd process
CSCvz07134	Router does not boot on recent 16.X releases with large service policy applied on the interface.
CSCvz07542	Device with NIM-ES2 no igmp snooping vlan x is not preserved after reload.
CSCvz08449	Incorrect static route for primary interface during deployment resulting in unreachability
CSCvz09078	FireWall Policy Drops are seen when the OG/ACEs are reconfigured multiple times
CSCvz09330	Bootstrap aaa config issues due to default aaa config
CSCvz18867	IP NAT source static does not work for TCP traffic from OUT to IN
CSCvz20181	Overruns happening when flow-control enabled
CSCvz23024	17.6.1_auto:SNMP failure on bfdSessionsListSystemIp

Bug ID	Description
CSCvz24267	Static NAT entry is injecting a route to Null0
CSCvz25619	FNF: Reload due to a memory allocation failure
CSCvz26211	Flow monitor statistics missing when reloading with configuration
CSCvz30465	MT: Template push with thousand eye feature failed for ISR4461 after PnP workflow
CSCvz34290	no ip nbar resources flow max-session does not restore default platform session limits
CSCvz35812	cpp_cp_svr crash in ZBF component
CSCvz41766	Device crashes Repeatedly in IOSd due to HTSP
CSCvz45159	Data plane crash seen on device with upgrade from 17.5.1 to 17.6.1 build
CSCvz45256	Inbound fax T38 switchover on MGCP GW sending an m line of audio instead of image
CSCvz47421	VLAN IP config missing on bootup due to missing startup configs
CSCvz47982	Flow-Control Goes down when configuring manual speed and remove the auto negotiation
CSCvz53819	ZBFW: ARStandby drops seen on New Active during RG switchover
CSCvz55789	Data-policy direction-all with empty action is causing to ignore app-route-policy
CSCvz56966	Zscaler SIG tunnels not coming up after reboot due to HTTP/RESP/CODE 400
CSCvz60101	Failure to start (on RP2) iox app-hosting application
CSCvz62602	Extranet local switch crash when mdata is enabled.
CSCvz69124	BFD scaling: Not able to scale more that 2048 BFD sessions
CSCvz73780	Memory leak with fman_cc process when SM-X-G4M2X module installed
CSCvx77024	IPv6 DMVPN - NBMA address not getting preserved
CSCvy03584	Device fails to capture sdwan-related outputs to admin-tech
CSCvy14126	Devices are crashing frequently 17.4.1b
CSCvy35044	Signature update failure - SSL-CERTIFICATE_VERIFY_FAILED
CSCvx89710	SCEP: CA server fails to rollover CA certificate with error: "Storage not accessible"
CSCvo41609	GETVPN: Clearing members on Key Server causing rekey processing failure on GMs
CSCvx78215	An IOS XE device might crash at DoubleExceptionVector
CSCvw42048	vtcp may cause packet drop for sip packets causing phones to reset
CSCvy18284	Poor IPsec throughput performance with IPsec throughput license on IOS-XE routers

Bug ID	Description
CSCvy03589	CWMP : Port mpping not created under WANPPP profile when WAN connection is set to PPP Dialer
CSCvx83301	"insufficient resources" NHRP-ERROR while receiving small rate of NHRP Resolution Requests/second
CSCvy68270	CWMP wrong parameter value
CSCvx53399	finan_fp_image crashed with ZBFW config change
CSCvy64180	Device crashed with Localsoft error
CSCvx77203	[17.5] Router crashed when sending traffic through non-SDWAN interface with DIA NAT + debug enabled
CSCvx77674	A router may crash when processing an NHRP packet
CSCvy17964	Traceback seen when cwmp wan default interface changed
CSCvx63642	Can't allocate MAC address for port-channel interface on device terminal server
CSCvy33007	"Best of Worst" Fallback mode causes reachability issue when routes flap
CSCvy41947	EIO: Packets getting reassembled and are forwarded as it is to the Gigabit interface
CSCvy87803	Ethernet loopback not working
CSCvx72682	[DMM/SLM test issue] CFM crash when using physical port, DMM/SLM doesn't work on EVC
CSCvx97490	After enabling "cts manual" the interfaces start flapping
CSCvy30209	IOS-XE cpp ucode crash with fragmented packets
CSCvy02029	New PAYG Azure Cloud deployments do not boot with correct throughput level and tech package
CSCvx64449	%CRYPTO-4-RECV_PKT_MAC_ERR: decrypt: mac verify failed due to ip rtp header-compression iphc-format
CSCvx32670	Wrong reload reason reflected after a power outage.
CSCvx45788	Cannot apply ciscosdwan.cfg due to vpg-log-server-acl ACL on VirtualPortGroup0 for logging
CSCvx15820	Subslot module C1111-ES-8 going "out of service"
CSCvq11402	[SSL-Proxy-Policy] Webroot - url cloud lookup timeout is 60s (way too long to hold the traffic)
CSCvy00963	On vManage 20.4.1, traceroute on device leads to outage at the site
CSCvy13735	BFD tunnels stuck in down state after port-hop

Bug ID	Description
CSCvy67301	URL Filtering regex pattern match not working on large pattern
CSCvy10159	Software MTP should support encrypted TLS connection
CSCvy54314	Data-policy local-tloc with app-route is dropping packets when SLA is not met
CSCvy36311	CWMP: Portmapping with space in description field rejected after reload
CSCvx94323	NHRP messages tagged with incorrect MPLS labels - unable to establish shortcut
CSCvy09777	Running 17.4.1b crashing with NAT Backtraces everytime we shut no-shut PPPoE
CSCvy34102	CPP ucode crash with route-map and overload at ipv4_nat_rmap_walk_find.
CSCvy52761	Adding multilink frame relay sub-interface to SDWAN fails; "Aborted: application error"
CSCvx88246	Packets dropped due to firewall + data policy interop issue
CSCvy47279	Device crashed when PPPoE(running NAT) cable pulled out
CSCvy93830	BFD tunnel uptime not showing correct values post upgrade to 17.6.01
CSCvx68767	PWK - Overlay tunnel goes down with overnight traffic (No Crash)
CSCvy20588	CSDL failure when it should be allowing RSA keys with 1024 length.
CSCvx57615	ZBFW blocking ACK packets for applications using cloudexpress SaaS set to use a Gateway with synsent
CSCvx25217	Cannot remove NAT configuration from the template in a single operation if NAT translation is active
CSCvy33818	On MTT vManage system IP persists after invalidating and deleting the edge devices.
CSCvx59899	Rebooting due to CPP crashing because of UTD feature.
CSCvx79113	Traffic simulation tool shows traffic blackhole
CSCvx64640	Data plane VPLS traffic generating Control Word on all Label Switched Headers
CSCvw91361	Crash when issuing "show crypto isakmp peers config"
CSCvy01097	Router may crash under ZBF configuration (cpp_cp_svr)
CSCvy78123	High CPU usage due to misconfigured data policy matching multicast traffic
CSCvy37216	System fails to push template - interface config stuck
CSCvy32935	UTD: Pickup latest SPPI library with fix for CSCvy00963
CSCvy42797	Show inventory does not show subslot info
CSCvy39019	CWMP: WANPPPCConnection not reset when PPP credentials changed

Bug ID	Description
CSCvx97718	vtcp frees rx buffer when packet with expected next sequence arrives with no payload; phones reset

Open Bugs in Cisco IOS XE Bengaluru 17.6.2

Bug ID	Description
CSCvv82985	dhcpv6_relay:dhcp-client on branch not receive ipv6 address
CSCvw67366	Punt keepalive crashed due to bqs related interrupt
CSCvx28426	Router may crash due to Crypto IKMP process
CSCvy57681	Unexpected reboot of IOS-XE Router in BQS QM @ cpp_qm_proc_rt_commit
CSCvy63924	Telemetry: IOS-XE Controller crashes after using show telemetry ietf subscription all command.
CSCvy69846	Guestshell:.py files stored under /home/guestshell are lost after reboot on 1ng device
CSCvy72970	Active ftp not working with UTD+HTX for security and Unified policy.
CSCvz11362	Device fails to install rekey causing traffic drop
CSCvz28950	DMVPN phase 2 connectivity issue between two spokes
CSCvz31901	Cisco makefile changes to build the PHY API SW 4.67.05
CSCvz37340	The [service timestamps log datetime msec localtime] command cannot be pushed via CLI Addon template
CSCvz40459	Ucode crash due to NAT proxy timeout
CSCvz55812	MLP cpp crash cause both FP cpp to lock and stuck in disconnecting
CSCvz58895	IOS-XE unable to export elliptic curve key
CSCvz65545	ISIS reports encode error when NSF cisco if configured for GRE tunnel number greater than 65535
CSCvz76277	Hostname not allowed beginning with numbers
CSCvz80197	FTMD message error
CSCvz84437	Unexpected reload due IPV6 UDP fragment header in VxLAN
CSCvz38312	Tx queue hang issue on RJ45 ports
CSCvx42400	Experiences Unexpected reboot with: Last reload reason: Critical software exception
CSCvy79833	Cellular related AOM pending objects after IOS-XE upgrade
CSCvy33818	On MTT vManage system IP persists after invalidating and deleting the edge devices.

Bug ID	Description
CSCvz41766	VG450 Crashes Repeatedly in IOSd due to HTSP
CSCvy72970	Active ftp not working with UTD+HTX for security and Unified policy.
CSCvy55408	Router multiple crash. - session hash corrupted
CSCvz25403	NetApp: Issues with traffic does not get forwarded via TLOC extended interface
CSCvy86497	BFD session flap/down while control connection with vManage is going down
CSCvz09078	FireWall Policy Drops are seen when the OG/ACE's are reconfigured multiple times
CSCvz33108	After uploading the serial file list to the vmanage, the edges lost Control Con. and BFD sessions
CSCvz35990	OSPFv3 IPsec encryption failure when IPv4 address-family not configured in VRF
CSCvz28950	DMVPN phase 2 connectivity issue between two spokes
CSCvz28795	SSL VPN fails to establish if 'match url' is configured under crypto ssl profile
CSCvy78501	17.6: AAR not working properly as configured SLA classes are not shown under app-route stats
CSCvz40788	Tunnels are not coming up in Multilink Frame relay sub-interface
CSCvz08674	Device rebooted 2 time with CPP 0 failure Stuck Thread

Resolved Bugs in Cisco IOS XE Bengaluru 17.6.1a

Bug ID	Description
CSCvo41609	GETVPN: Clearing members on Key Server causing rekey processing failure on GMs
CSCvq11402	[SSL-Proxy-Policy] Webroot - url cloud lookup timeout is 60s (way too long to hold the traffic)
CSCvw91361	Crash when issuing "show crypto isakmp peers config"
CSCvx25217	cannot remove NAT configuration from the template in a single operation if NAT translation is active
CSCvx32670	Wrong reload reason reflected after a power outage.
CSCvx45788	cannot apply ciscosdwan.cfg due to vpg-log-server-acl ACL on VirtualPortGroup0 for logging
CSCvx53399	fman_fp_image crashed with ZBFW config change
CSCvx57615	ZBFW blocking ACK packets for applications using clouDEXpress SaaS set to use a Gateway with synsent

Bug ID	Description
CSCvx63642	Can't allocate MAC address for port-channel interface on C1100TG series terminal server
CSCvx64449	%CRYPTO-4-RECVD_PKT_MAC_ERR: decrypt: mac verify failed due to ip rtp header-compression iphc-format
CSCvx64640	Data plane VPLS traffic generating Control Word on all Label Switched Headers
CSCvx68767	PWK - Overlay tunnel goes down with overnight traffic (No Crash)
CSCvx72682	[DMM/SLM test issue] CFM crash when using physical port, DMM/SLM doesn't work on EVC
CSCvx77024	IPv6 DMVPN - NBMA address not getting preserved
CSCvx77203	[17.5] Router crashed when sending traffic through non-SDWAN interface with DIA NAT + debug enabled
CSCvx77674	A router may crash when processing an NHRP packet
CSCvx78215	An IOS XE device might crash at DoubleExceptionVector
CSCvx83301	"insufficient resources" NHRP-ERROR while receiving small rate of NHRP Resolution Requests/second
CSCvx88246	Packets dropped due to firewall + data policy interop issue
CSCvx89710	SCEP: CA server fails to rollover CA certificate with error: "Storage not accessible"
CSCvx94323	NHRP messages tagged with incorrect MPLS labels - unable to establish shortcut
CSCvx97718	vtcp frees rx buffer when packet with expected next sequence arrives with no payload; phones reset
CSCvy01097	Router may crash under ZBF configuration (cpp_cp_svr)
CSCvy03589	CWMP : Port mpping not created under WANPPP profile when WAN connection is set to PPP Dialer
CSCvy09777	cedge running 17.4.1b crashing with NAT Backtraces everytime we shut no-shut PPPoE
CSCvy10159	Software MTP should support encrypted TLS connection
CSCvy13735	BFD tunnels stuck in down state after port-hop
CSCvy17964	Traceback seen when cwmp wan default interface changed
CSCvy18284	Poor IPsec throughput performance with IPsec throughput license on IOS-XE routers
CSCvy20588	CSDL failure when it should be allowing RSA keys with 1024 length.
CSCvy30209	IOS-XE cpp ucode crash with fragmented packets

Bug ID	Description
CSCvy32935	UTD: Pickup latest SPPI library with fix for CSCvy00963
CSCvy33007	"Best of Worst" Fallback mode causes reachability issue when routes flap
CSCvy33818	On MTT vManage system IP persists after invalidating and deleting the edge devices.
CSCvy34102	CPP ucode crash with route-map and overload at ipv4_nat_rmap_walk_find.
CSCvy35044	Signature update failure - SSL-CERTIFICATE_VERIFY_FAILED
CSCvy36311	CWMP : Portmapping with space in description field rejected after reload
CSCvy39019	CWMP: WANPPPConnection not reset when PPP credentials changed
CSCvy41947	EIO: Packets getting reassembled and are forwarded as it is to the Gigabit interface
CSCvy42797	ISR1100-4GLTENA: show inventory does not show subslot info
CSCvy52761	adding multilink frame relay sub-interface to SDWAN fails; "Aborted: application error"
CSCvy54314	Data-policy local-tloc with app-route is dropping packets when SLA is not met
CSCvy67301	URL Filtering regex pattern match not working on large pattern
CSCvy68270	CWMP wrong parameter value
CSCvy87803	Cisco 1000 Series ISR // ethernet loopback not working
CSCvy93830	BFD tunnel uptime not showing correct values post upgrade to 17.6.01

Open Caveats in Cisco IOS XE Bengaluru 17.6.1a

Bug ID	Description
CSCvx95405	Cellular interface lte Network Selection Mode switches to auto following a reload
CSCvy33818	On MTT vManage system IP persists after invalidating and deleting the edge devices.
CSCvy72970	Active ftp not working with UTD+HTX for security and Unified policy.
CSCvy78501	17.6: AAR not working properly as configured SLA classes are not shown under app-route stats
CSCvy86497	BFD session flap/down while control connection with vManage is going down
CSCvy87507	Router unexpectedly routes traffic with broadcast dst MAC
CSCvz06095	ReassTimeout drops with NAT in Port-Channel.
CSCvz08945	low-bandwidth-link doesn't reduce number of BFD packets
CSCvz09078	FireWall Policy Drops are seen when the OG/ACE's are reconfigured multiple times

Bug ID	Description
CSCvz25403	NetApp: Issues with traffic does not get forwarded via TLOC extended interface
CSCvz28795	SSL VPN fails to establish if 'match url' is configured under crypto ssl profile
CSCvz28950	DMVPN phase 2 connectivity issue between two spokes
CSCvz33108	After uploading the serial file list to the vmanage, the edges lost Control Con. and BFD sessions
CSCvz35990	OSPFv3 IPsec encryption failure when IPv4 address-family not configured in VRF

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- [Hardware Installation Guide](#)
- [Software Configuration Guide](#)
- [Smart Licensing using Policy](#)

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