Release Notes for Cisco ASR 1000 Series, Cisco IOS XE Release 17.15.x

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About Cisco ASR 1000 Series Aggregation Services Routers

The Cisco ASR 1000 Series Routers carry a modular yet integrated design, so network operators can increase their network capacity and services without a hardware upgrade. The routers are engineered for reliability and performance, with industry-leading advancements in silicon and security to help your business succeed in a digital world that's always on. The Cisco ASR 1000 Series is supported by the Cisco IOS XE Software, a modular operating system with modular packaging, feature velocity, and powerful resiliency. The series is well suited for enterprises experiencing explosive network traffic and network service providers needing to deliver high-performance services.



Note For more information on the features and specifications of Cisco ASR 1000 Series Routers, refer to the Cisco ASR 1000 Series Routers datasheet.

For information on the End-of-Life and End-of-Sale Announcements for Cisco ASR 1000 Series routers, refer to the ASR 1000 Series End-of-Life and End-of-Sale Notices.



Note Cisco IOS XE 17.15.1a is the first release for Cisco ASR 1000 Series Aggregation Services Routers in the Cisco IOS XE 17.15.x release series.

Product Field Notice

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New and Changed Hardware Features

There are no new hardware features for this release.

New and Changed Software Features in Cisco IOS XE 17.15.6

There are no new software features in this release.

New and Changed Software Features in Cisco IOS XE 17.15.5

There are no new features in this release.

New and Changed Software Features in Cisco IOS XE 17.15.4

There are no new software features for this release.

New and Changed Software Features in Cisco IOS XE 17.15.3a

There are no new software features for this release.

New and Changed Software Features in Cisco IOS XE 17.15.2a

There are no new features in this release.

New and Changed Software Features in Cisco IOS XE 17.15.1a

Feature	Description
Enhanced NAT Management	From Cisco IOS XE 17.15.1a, the Enhanced NAT Management feature enables network operators to safeguard system performance by limiting NAT translations based on CPU usage with the ip nat translation max-entries cpu command. This feature also enables streamlining NAT synchronization in redundant systems using the **ip nat settings redundancy optimized-data-sync** command.
Enhancements to Segment Routing over IPv6 Dataplane	From Cisco IOS XE 17.15.1a, Segment Routing over IPv6 dataplane supports these functionalities: • IS-IS Microloop Avoidance • IS-IS Loop-Free Alternate Fast Reroute • IS-IS Topology-Independent Loop-Free Alternate Fast Reroute • OAM Traffic Engineering
Enhancement to SGACL Logging	This feature enhances the Security Group-based Access Control List (SGACL) logging capability by using High Speed Logging (HSL) for Cisco IOS XE devices. SGACL logging through HSL provides an efficient and reliable logging method for security events in network environments with high-traffic volumes. For more information, seeCisco IOS Security Command Reference Guide
Ethernet VPN: Enhancement to Specify Gateway IP Address	From Cisco IOS XE 17.15.1a, you can use export maps to specify the gateway IP address (GW IP address) in the Ethernet VPN (EVPN) IP prefix route and influence how routes are exported. This enhancement enables the device to make accurate routing decisions based on the specified GW IP address.
Absolute Path for HTTP or HTTPS File Transfer	The File Transfer using HTTP or HTTPs feature allows you to copy files from a remote server to your local device, using the **copy** command. From Cisco IOS XE 17.15.1a, you must provide the absolute file path when you execute the **copy** command, to transfer the file.

Feature	Description
Monitoring SD - Routing Alarms	From Cisco IOS XE 17.15.1a, network administrators can monitor SD-Routing device alarms on Cisco Catalyst SD-WAN Manager. This feature enables SD-Routing devices to record and store various alarms generated by control components and routers. For more information, see Cisco SD-Routing Command Reference Guide.
Network-Wide Path Insights on SD - Routing Devices	Network-Wide Path Insights (NWPI) is a tool that allows network administrators to monitor Cisco SD-Routing deployment, identify network and application issues, and optimize the network.
Configure Multiple WAN Interfaces on Cisco SD-Routing Devices Using a Custom VRF	You can now create a custom VRF that hosts one or more WAN interfaces. You can extend this functionality to create multiple custom VRFs with each VRF hosting multiple WAN interfaces. These WAN interfaces now function as transport interfaces to establish control connections to the Cisco Catalyst SD-WAN Manager. Having multiple WAN interfaces ensures that there is resiliency in control connections and routing of transport traffic.
Enabling Flow Level Flexible NetFlow Support for SD-Routing Devices	The Flow-level Flexible NetFlow (FNF) feature allows you to monitor the NetFlow traffic and view all the flow-level FNF data that is captured including application-level statistics.
Seamless Software Upgrade for SD-Routing Devices	This feature explains how to seamlessly upgrade and onboard an existing Cisco Routing device into the Cisco SD-WAN infrastructure.
Cisco Umbrella Scope Credentials	From Cisco IOS XE 17.15.1a, this feature provides the ability to define and configure a new single Cisco Umbrella credential for both Umbrella SIG and Umbrella DNS.
SD-Routing License Management	This release introduces license management support for SD-Routing devices. The supported licensing workflows include license assignment or configuration, license use, and license usage reporting. Depending on the device, these workflows are performed in the Cisco Catalyst SD-WAN Manager or on the device.
Classic CLI	This feature provides support for including Cisco IOS XE CLI configuration commands that do not have an associated yang model. When used with the current configuration group, Classic CLI provides a robust provisioning mechanism for SD-Routing devices from Cisco SD-WAN Manager.

Resolved and Open Bugs for Cisco IOS XE 17.15.x

Resolved Bugs in Cisco IOS XE 17.15.6

Identifier	Headline
CSCws96978	Policy download fails after modifying SGACL on ISE and pushing using COA.
CSCwu02602	DBAL EVENTS crash seen while trying to push config group to device in SDWAN and SD-Routing.

Identifier	Headline
CSCwt09078	Enhanced logging for file system read failure.
CSCwq54131	Device crash when configuration replace is performed using VTY session.
CSCwo90776	Messages in MQIPC buffer queue may not get drained during connrent and eagain conditions in race condition.
CSCws68876	Unexpected reload due to ISSU client ISSU Virtual-Template Client.
CSCwu04279	System instability and potential service disruption after invalid GPM load.
CSCwr77437	Seg Fault in HTTP CORE potentially due to SDAVC-related Corruption.
CSCwt35490	Config-Sync: Log the errno value for all file open operation failure.
CSCwq82256	Already committed SMU packages are removed from R0 on SMU activation failure later.
CSCwt00254	Anonymous memory leak due to missing SSL async FD deselect in WebAuth.
CSCwt86654	IKEv2 process crash caused by stack buffer overflow during AnyConnect EAP credential parsing.
CSCwt29087	After performing forced switchover and pushing COA for SGACL change, old SGACL is seen on switch.
CSCws66419	Unexpected Reload due to block overflow in RSA verification.
CSCwt69624	TCP application (LISP/BGP) can stuck in write blocked state forever.
CSCwt00262	OPSSL changes for SSL async job memory leak.
CSCwt87294	mDNS Cache-Flush behavior not consistent.
CSCwo26985	Wireless client authentication fails due to RADIUS client unable to parse Microsoft MPPE-Send-Key VSA; In another scenario, certificate reassembly may fail for retransmissions.

Open Bugs - Cisco IOS XE 17.15.6

There are no customer impacting bugs that were identified in this release.

Resolved Bugs for Cisco IOS XE 17.15.5

Identifier	Headline
CSCwp06956	NGFW Policy deployment fails due to long rule name.
CSCwr03611	LWM "memory free low-watermark processor" value its changing itself after upgrade.
CSCwp17220	Continous fman_fp related traceback seen at interval of 10s.
CSCwq79503	Device may reload unexpectedly during startup due to segmentation fault.

Identifier	Headline
CSCwr19450	Stuck locally originates BGP EVPN type-2 route.
CSCws30834	Device ignore the keepalive command under the SIG tunnel interface pushed by the vmanage.
CSCwq29468	BGP routes are advertised with 0 in AS PATH attribute when replacing ASN.
CSCwm85778	After VRRS flaps AAA overflows the packet buffers causing an Out of Memory crash.
CSCwn53778	Unexpected reload on a device.
CSCwq92624	Unexpected reload with configuration changes.
CSCwq07879	Unexpected reload on when issuing show commands related to STCAPP.
CSCws09528	TPLUS Process is taking high CPU in IOSd.
CSCwn18874	DMVPN spoke crashed at Process = NHRP.
CSCwp17828	uCode core is not getting generated when interrupt is hit by CPP.
CSCwo14975	Memory leak in DNS Proxy/SKA triggers unexpected reloads.
CSCwp28682	Update GeoDB version.
CSCwp67808	ZBFW Invalid Zone drops after upgrade.
CSCwn85623	Missing Calling-Station-ID in radius messages.
CSCws15533	IPv6 stale entries not expiring.
CSCwn38269	Interface got Stuck during congestion with Input MAC filter in a QOS policy.
CSCwq22471	Device may unexpectedly reboot when importing CA chains.
CSCwr10159	sl_def_acl is not getting removed from vty after block period expiry.
CSCwq26347	Object-group service TCP port range.
CSCwq32935	Device after running show policy-map type inspect zone-pair sessions memory increase for a couple of hours until it crash.
CSCwk55051	Device: polaris_vconfd_cfgpull_t denials during config push trigger.
CSCwr02964	Initial Authc/Authz not going to first TACACS server even when the server is alive.
CSCwp06965	SNMPv3 user with encrypted pswd is not seen in 'show run' without re-configuring all snmpv3 configs.
CSCwr69613	cpp_cp_svr crash if CEF OCE points to MPLS-SR-Tunnel interface.
CSCwm01063	Unexpected reload due to Segmentation fault on IP SLA DynHostName Process.
CSCwr09289	Crash when collecting backtrace for callsite.

Identifier	Headline
CSCwr19564	Stuck EVPN BGP type-2 local route and L2RIB route.
CSCwm67178	Cannot configure MD5 for the hash under the ikev2 proposal when compliance shield is disabled.
CSCwo92849	ip community-list standard CLI template attach failure.
CSCwo75966	Pubd memory leak when SSID monitoring is disabled.
CSCwq98285	BFD going down due to delayed packets on macsec seesion with aggressive macsec events.
CSCwo70548	Ping failure from VRRP backup to VRRP primary virtual address when enabling security policy.
CSCwp35552	Missing Calling-Station-ID (31) in Radius Accounting.
CSCwr43693	Memory leak in repm.
CSCwr37828	BGP neighborship flap during configure replace.
CSCwr83968	Unexpected Reload on cEdge with Static NAT When Polling NAT Translation Data.
CSCwr51490	DMVPN hub routers could experience an unexpected reload after tunnel down in specific timing scenario.
CSCwp10785	Unexpected reloads caused by HTTP CORE process.
CSCwp59954	Unexpected Reboot: PIM Sparse-Dense Interface Flap Triggers System Crash.
CSCwp38609	CTS Trustpoint loop triggers PKI segfault.
CSCwq68981	Port-channel has LACP PDU drops when configured with L2TPv3 pseudowire.
CSCwr83214	Device is sending lots of fib-updates alarms to vManage filling max alarms in vManage.
CSCwp36696	IP aliases stuck in VRF even NAT statements removed.
CSCwr05809	PKI : Discard CRL of greater than 5MB on device.
CSCwk74877	NETCONF/RESTCONF sync fails and dmiauthd may crash when AAA authentication banner contains a leading newline.
CSCwj24696	IPv6 ND HA Memory Leak from IPv6 NS on Mgmt port.
CSCwp40010	RP Crash While Debugging IKEv2.
CSCwm74448	Defect Created by AutoAn for eem_cli_template_cedge.
CSCws21640	TFTP server declines TFTP client request when "BLKSIZE" optional header is not contained.
CSCwq92340	IOS XE MTP using BDI interface does not forward rtp-nte when configured for passthrough and report.

Identifier	Headline
CSCwn80721	Unexpected Reboot in Process Sessmgrd.
CSCwo38144	entSensorthresholdrelation reporting wrong value.

Open Bugs for Cisco IOS XE 17.15.5

Identifier	Headline
CSCws75443	IPv6 neighbour table entries are not timing out causing High TCAM utilisation (no default timers configured).
CSCws71815	Behaviour change for **ip dhcp use class**command on device.
CSCws51814	Increased CPU utilization caused by BGP scanner process.
CSCwr00088	Add CLI to change per MPLS label CEF statistics query interval on FMAN FP.
CSCws35452	Device attempts DHCP relay instead of local assignment – clients losing connectivity.

Resolved Bugs for Cisco IOS XE 17.15.4c

Bug ID	Description
CSCwq31287	Cisco IOS and IOS XE Software SNMP Denial of Service and Remote Code Execution Vulnerability.

Open Bugs for Cisco IOS XE 17.15.4c

There are no customer impacting bugs that were identified in this release.

Resolved Bugs for Cisco IOS XE 17.15.4

Bug ID	Description
CSCwo84352	Segmentation fault on the sessmgrd process.
CSCwo19997	QFP crash with stuck threads while attempting to lock cft policy under Autonomous mode.
CSCwn99822	Large number of BFD sessions stuck due to out of window drops reported with control connections NAT flaps
CSCwn60316	"cpp-mcplo-ucode" crashes in router running IOS-XE 17.9.5a.
CSCwm62981	Router crashes with PKI "revocation-check ocsp none" enabled.
CSCwn52179	Traffic with TTL 2 is punted to CPU when CEF holds MPLS labels set to None.
CSCwo66822	Cedge reloaded with reason: Critical process cpp_ha_top_level_server fault on fp_0_0 (rc=69).

Bug ID	Description
CSCwo59694	YANG: Unable to Deploy 'aaa accounting network' Command.
CSCwp12923	IKEv2 fails to parse certain route-set prefix Cisco VSA attributes from Radius server.
CSCwi44116	IOS-XE reboot after change telemetry subscription update-policy from periodic to on-change
CSCwo42107	Router crashes when applying a service-policy to a PO interface used as Tunnel source.
CSCwo90396	Serial interface configuration lost after reload.
CSCwm33545	FlexVPN - IP address assigned to spoke changes to unassigned.
CSCwk53854	Router - clns neighbors go down with mtu>9210 set and macsec enabled.
CSCwn39832	Adding "authorization bypass" to vDSP EEM scripts.
CSCwn02485	Fragmented UDP SIP packets dropped on PE with IpFragErr on IP VFR and MPLS enabled tunnel interface.
CSCwp02391	EVPN Multi-Homing: Administratively Shutdown Ports Are Re-Enabled After Core Isolation Recovery (WAN link recovered).
CSCwo15543	Functional SJC Alpha 9840 eWLC HA- Standby eWLC reloads after upgrade to 17.17.1.
CSCwn62695	KMI messages introducing a crash while enabling debug.
CSCwn03824	Memory leak in CCSIP_SPI_CONTROL and *Dead* processes.
CSCwo05166	Memory leak on Chunk Manager via DBAL EVENTS process.
CSCwo99641	Out of CGM (Class-Group Manager) memory intermittently with scaled ZBFW policy.
CSCwo09168	cEdges running 17.12.4 crashed due to Critical process vip_confd_startup_sh fault on rp_0_0 (rc=6).
CSCwo14777	Router tracebacks observed in voip trace flow.
CSCwp40115	Crash making calls during codec negotiation.
CSCwn06900	Segfault in CCSIP_SPI_CONTROL During CALL_LOOP and TLS_SOCKET_SEND_BLOCKED Events.
CSCwn60320	SGW sends AOR id value in RPID/PAI header.
CSCwm61335	ID manager runs out of IDs, Memory Leak @ cts_authz_acl_info_create when using CTS .
CSCwp01610	CUBE is not responding with 200 OK for REINVITE from ISP causing the transfer call getting affected.
CSCwn92976	PPP is not establishing when l2tp over ipsec.

Bug ID	Description
CSCwo66011	Config Parser Issue for NAT with reversible and redundancy.
CSCwo47118	17.12.3 - Crash when clearing L2TP tunnels with the command "clear vpdn tunnel l2tp <ID>"
CSCwo22585	cEdge device crashes when running a NWPI trace initiated from vManage on version 20.12.4 .
CSCwk79606	PKI Trustpoint password command only allows encryption type 0 and 7 on all IOS XE platforms.
CSCwp02071	Tunnels dropping when CAC configured for VDPN when CPU over threshold due to SSH request for SH tech.
CSCwi59338	Enable strict-kex support in IOS-SSH to address CVE-2023-48795 (aka Terrapin Attack).
CSCwo55206	Router :ISIS hellos drops as Delayed pkts, cause ISIS flap over macsec intf + Sak-rekey.
CSCwo00577	Router | 17.9.5a | Random crashes observed after tcp confg changes.
CSCwn60286	IOS-XE: Memory Leak observed in IPSEC/IKE session bringup with Cert-based Authentication.
CSCwn24226	GETVPN Mismatch in GMs reported across COOP Due to KEK Sync Issue Between Prim & Sec KSs.
CSCwo84747	Tunnel delete/create flaps unexpectedly for PWK case for private control NAT changes.
CSCwn19586	Certificate-based MACSEC flapping when dot1x reauth timers are set and after reload.
CSCwn50935	Crash occurs during haripin call.
CSCwo89702	Configuring logging discriminator name longer than 8 characters reloads standby switch.
CSCwn82786	AAA settings not working based on Template associated with the domain-name .
CSCwn12847	IPSec umbrella tunnels are going down everytime umbrella side executes the rekey.
CSCwn93483	cEdge: confd_cli high cpu utilization after executing "show zbfw-dp sessions | tab"

Open Bugs for Cisco IOS XE 17.15.4

Bug ID	Description
CSCwp17220	Continous fman_fp related traceback seen at interval of 10s.
CSCwp28915	SNMPwalk fails to consistently return tunnel names due to incomplete tunnel setup
CSCwm74060	IOSD chasfs task crashes when retrieving platform info.

Bug ID	Description
CSCwq08151	Device experienced unexpected reload due to dbgd process.
CSCwo57783	"NHRP Encap Error for Purge Request" populates on spoke despite correct routing at HUB.
CSCwp28682	Update GeoDB version.

Resolved Bugs for Cisco IOS XE 17.15.3a

Bug ID	Description
CSCwn13650	Multiple address range support in a local pool
CSCwn99822	Large number of BFD sessions stuck with out of window drops with Kotak bank profile.
CSCwm78086	BFD session is down after change tloc preference with pairwise-keying enabled.
CSCwm58500	MIP 100 stuck in booting state after ROMMON upgrade using 17.3(1r) rommon file.
CSCwn56474	pairwise-keying every single bfd session up/down which trigger tunnel delete/create events.
CSCwm77426	Unexpected reload in NHRP, cache freed prior to function call.
CSCwn89026	CEF DPI loadbalancing incorrect distribution for tunnel-l2tp.
CSCwo03915	Unexpected reload on cEdge due to performance monitor with packet service insertion from spoke.
CSCwo09168	cEdges running 17.12.4 crashed due to Critical process vip_confd_startup_sh fault on rp_0_0 (rc=6)
CSCwn53302	Administrative distance of IPv6 static route to Cellular interface overwrite with 254..
CSCwn51758	Incoming packet are drop with bad checksum when l2tp through ipsec encrypted tunnel on device.
CSCwm71639	cpp_cp_svr crash noticed when configured service-policy to a Dialer interface.
CSCwn20614	After change integrity-type twice, all bfd sessions will be down.
CSCwn15231	Router null-way audio within the same layer2.
CSCwn12370	Device with IOS XE Version 17.9.5a we cannot update the CPLD-version from 19041800 to 20030413.
CSCwn40794	IOS-XE crash PKI: Failed to load cert chain for trustpoint.
CSCwn59814	FLOWDB_OOM condition can lead to packet loss with GRE non-IPSEC tunnel.
CSCwn24226	GETVPN Mismatch in GMs reported across COOP Due to KEK Sync Issue Between Prim & Sec KSs.

Bug ID	Description
CSCwm60651	HTX: UTD snort crash at memif_shm_peek_first_packet (handle=0x0).
CSCwn35476	cflowd source interface for sub-interface does not get pushed to cedge.
CSCwk08261	Unexpected reload with ipv4_sbc_input () at /dplane/feature/sbc/sbc_packet decode.
CSCwn48914	Router crash during SGW sync in VOICE REG BG Process.
CSCwn61584	listen-port command is not working properly under tenants for UDP.
CSCwn13988	CDR file accounting credentials exposure.
CSCwn60303	Cube sip-ua commands lost after reload
CSCwm91195	Memory leak on CUBE in subscribe pass-thru scenario.
CSCwn19326	CDR file accounting creates dummy files.
CSCwm91175	OOD Subscribe with event message-summary is causing memory leak on CUBE.
CSCwn49403	CUBE incorrectly offers rtp instead of srtp in 200OK for srtp fallback scenario.

Open Bugs for Cisco IOS XE 17.15.3a

Bug ID	Description
CSCwn85623	Missing Calling-Station-ID in radius messages.
CSCwn92976	PPP is not establishing when l2tp over ipsec.
CSCwn60286	IOS-XE: Memory Leak observed in IPSEC/IKE session bringup with Cert-based Authentication.
CSCwn44339	Router crash due to failed DLC license conversion when contacting CSSM.
CSCwm74060	IOSD chasfs task crashes when retrieving platform info.
CSCwn24036	Tx/Rx optical power values diffrent for "show int" and "show hw-module"
CSCwo47118	Crash when clearing L2TP tunnels with the command "clear vpdn tunnel l2tp <ID>"
CSCwn48140	Failing to ping to service-side IPv4 interface from remote cEdge with IPv6 tunnel and LTE Cellular.
CSCwm33545	FlexVPN - IP address assigned to spoke changes to unassigned.
CSCwj65057	In 17.9.4, BFD sessions stuck in down state due to SA_NOT_FOUND.
CSCwo59739	One "no vrf definition" resets BGP neighbors in other VRFs too.

Resolved Bugs for Cisco IOS XE 17.15.2a

Bug ID	Description
CSCwm30984	SD-WAN ZBFW TCAM misprogramming after rules are reordered on device - CCE changes.
CSCwm31516	DSMP layer is unable to close EDSP channels if a call is disconnected before connect.
CSCwk85704	SD-Routing:"match traffic-category " through vManage add-on CLI push failed.
CSCwm07396	Few BFD sessions down after clear mka session on client.
CSCwm07651	An IOS XE Router running as a cEdge may experience an unexpected reset due to dbgd process.
CSCwm11819	Router Crash due to SIGSEGV | fman_fp_image fault on fp_0_0 (rc=139)
CSCwk63722	Startup Configuration Failure Post PKI Server Enablement.
CSCwk81360	Cisco IOS-XE Router can reboot unexpectedly while configuring NAT Static Translation.
CSCwk52106	SNMP reports incorrect Transmit Power / Receive Power values for 100G AOC cables.
CSCwm41535	DSP occasionally crashes when pcm capture is enable
CSCwm14462	IPv6 flowspec nexthop redirect policy not redirecting the traffic on IOS XE.
CSCwk54544	SD-WAN ZBFW TCAM misprogramming after rules are reordered on device.
CSCwm05524	Unexpected Reload Due to "cpp-mcplo-ucode" Process When Handling Fragments With SRv6 Routing.
CSCwk50488	Memory leak in fman_rp under acl_db.
CSCwk64137	High IRAM utilization at 99% in scaled flows.
CSCwk70630	17.12.02 Cannot import device certificate.
CSCwk97930	Crash occurs when IPv6 packets with link-local source are forwarded to SDWAN tunnels.
CSCwm13223	IOS-XE 17 Crashes in IOSd Due to Malformed DMVPN-5-NHRP_RES_REPLY_IGNORE Syslog.
CSCwi87546	Device unexpectedly reboot due to QFP CPP stuck at waiting for rw_lock - Lock id of 0 released.
CSCwk53438	17.15: Process crash seen on SD-Routing TSN platform + Permission Denied errors.
CSCwk72795	Router has no statistics for the SBFD protocol.
CSCwm12851	IOS-XE 17.12.3 uses 3DES as default rekey algorithm for GETVPN.

Bug ID	Description
CSCwk75459	MGCP GW fails to respond with 250 OK when there's a delay from dataplane in gathering stats.
CSCwk61133	Process IOMd memory leak due to POE TDL message.
CSCwk87452	Procyon synchronize DTL does not wait until complete due to compiler optimization.

Open Bugs for Cisco IOS XE 17.15.2a

Bug ID	Description
CSCwn13650	Multiple address range support in a local pool.
CSCwm62981	Router crashes with PKI "revocation-check ocsp none" enabled.
CSCwn52179	Traffic with TTL 2 is punted to CPU when CEF holds MPLS labels set to None.
CSCwm58500	MIP 100 stuck in booting state after ROMMON upgrade using 17.3(1r) rommon file.
CSCwn80360	vManage 20.12.4.0.03 removes NAT egress-interface option from cEdge config - CRYPTO yang changes.
CSCwn46221	"peer reactivate" CLI for FlexVPN tunnel on device does not work.
CSCwm33545	FlexVPN - IP address assigned to spoke changes to unassigned.
CSCwn85623	Missing Calling-Station-ID in radius messages.
CSCwn02485	Fragmented UDP SIP packets dropped on PE with IpFragErr on IP VFR and MPLS enabled tunnel interface.
CSCwn07671	Tracker group with IP and DNS name tracker elements goes down when DNS query is failing
CSCwm67178	Cannot configure MD5 for the hash under the ikev2 proposal when compliance shield is disabled.
CSCwn80352	vManage 20.12.4.0.03 removes NAT egress-interface option from cEdge config - NAT yang changes.
CSCwn44339	IOS XE 17 - Router crash due to failed DLC license conversion when contacting CSSM.
CSCwm74060	IOSD chasfs task crashes when retrieving platform info.
CSCwn92976	PPP is not establishing when l2tp over IPsec.
CSCwn53778	Unexpected reload on router (FMAN QOS).
CSCwn40794	IOS-XE crash PKI: Failed to load cert chain for trustpoint.
CSCwn31739	Router crashes when EPC is configured on 100Gb link.

Bug ID	Description
CSCwn65589	DMVPN Tunnel bounces a 2nd time after RP3 failover and recovery.
CSCwn59851	Unexpected reload Critical process linux_iosd_image fault on rp_0_0 (rc=139).
CSCwn83135	SD-WAN: Unable to Reach Inband Management IP on Standby Firewall HA Device.
CSCwn36533	vmanage_system and loopback65529 interfaces using DOD ip range and need to disable it.

Resolved Bugs for Cisco IOS XE 17.15.1a

Bug ID	Description
CSCwj51700	CPP crashes after re-/configuring "ip nat settings pap limit ... bpa" feature in high QFP state.
CSCwk42634	%PMAN-0-PROCFAILCRIT: R0/0: pvp: A critical process vip_confd_startup_sh has failed (rc 6).
CSCwk33173	EzPM application-performance profile cause memory leak and crash with long-lived idle TCP flows.
CSCwk16333	cEdge repeatedly crashing in FTMd Due to FNF Flow Add.
CSCwj95633	SDWAN: SAIE Application - No Data to Display over Vmanage for IOS XE router.
CSCwj96852	Return traffic for outside to inside NAT traffic received on one TLOC is forwarded out of other TLOC.
CSCwk39131	cEdge crashed when issuing "show sdwan ftm next-hop chain all" .
CSCwk22225	FTMd crashes after receiving credentials feature template update from vmanage.
CSCwj48909	17.14 Coredump observed in tracker module while running cxp_sig_auto_tunnel suite.
CSCwk45165	fman_fp Memory Leak on device.
CSCwj84949	Unencrypted Traffic Due to Non-Functional IPsec Tunnel in FLEXVPN Hub & Spoke Setup.
CSCwk56504	In NAT64 scenario, IPv4 packets that needs translation might be dropped by router.
CSCwj90614	High CPU utilisation for confd_cli.
CSCwi81026	SDWAN BFD Sessions Flapping During IPSec Rekey in Scaled Environment.
CSCwk39268	[2.3.7.x] sdn-network-infra-iwan failing to renew with "hash sha256" > 17.11.
CSCwj76662	cEdge - High memory utilization due to "ftmd" process.
CSCwk31715	After deleting a NAT configuration, the IP address still shows up in routing table.
CSCwk12524	Device reloaded due to ezManage mobile app Service.

Bug ID	Description
CSCwk44078	GETVPN / Migrating to new KEK RSA key doesn't trigger GM re-registration.
CSCwk22942	Unable to build two IPSec SAs w/same source/destination where one peer is PAT'd through the other.
CSCwj96092	20/17.14: ICMP tracker type (from echo to timestamp) change causes tracker to fail.
CSCwj99827	cEdge unexpectedly reloads due to a crash in 'vdaemon' process.
CSCwi99454	cEdgeFNF test_tunnel_name_change_CSCvt57024 case failed due to session of pm5 was not alive.
CSCwj40223	appRouteStatisticsTable sequence misordered in CISCO-SDWAN-APP-ROUTE-MIB or OS returns wrong order.
CSCwj02401	cEdge: Router reloaded when generating admin tech while processing very high number of flows.
CSCwk19725	Add FNF cache limit for show sdwan app-fwd flows for CSCwj02401.
CSCwj86794	Router crashes while processing an NWPI trace.
CSCwk42253	Unexpected reboot when a HTTP connection failed with 404 on a controller mode router.
CSCwj67591	20.14:SD-Routing Brownfield - chassis activate effective only after second re-try - with new uuid.
CSCwj54638	Device : EVC Q-in-Q configuration may filter out certain vlans.
CSCwj32347	DIA Endpoint tracker not working with ECMP routes.

Open Bugs for Cisco IOS XE 17.15.1a

Bug ID	Description
CSCwk79454	Endpoint Tracker does not fail if default route is removed.
CSCwk97930	Crash occurs when IPv6 packets with link-local source are forwarded to SDWAN tunnels.
CSCwk95044	17.12.03. CSCwj42249.SPA.smu.bin drops when Packet Duplication link fails-over.
CSCwk86355	File transfer fails from vManage 20.9.5 /home/admin to cEdge 17.6.5 bootflash: "lost connection".
CSCwk75733	Custom Applications may not be programmed properly.
CSCwk49806	Router running IOS 17.06.05 rebooted unexpectedly due to process NHRP crash.
CSCwi87546	Device unexpectedly reboot due to QFP CPP stuck at waiting for rw_lock - Lock id of 0 released.

Bug ID	Description
CSCwk61238	RRI static not populating route after reload if stateful IPSec is configured.
CSCwk98578	Router / XE 17 / GETVPN ipv6 crypto map not shown in interface configuration.
CSCwk89256	vManage/IOS-XE 17.9.3 speed mismatch in IOS-XE configuration after device template push for router.
CSCwk62954	Multiple "match address local interface <int>" not pushed from vmanage under crypto profile.
CSCwj87028	cflowd showing custom APP as "unknown" for egress traffic when using DRE Opt.
CSCwk81360	Cisco IOS-XE Router can reboot unexpectedly while configuring NAT Static Translation.
CSCwk54544	SD-WAN ZBFW TCAM misprogramming after rules are reordered on device.
CSCwk74298	cEdge denied for template push and some show commands with error application communication failure.
CSCwm00309	Packets not hitting the correct data policy after modifying the action of a sequence.
CSCwk98006	Unable to Establish NAT Translations with ZBFW enabled.
CSCwf62943	cEdge: system image file is not set to packages.conf when image expansion fails due to disk space.
CSCwk90014	NAT DIA traffic getting dropped due to port allocation failure.
CSCwk70630	17.12.02 Cannot import device certificate.
CSCwk85704	SD-Routing:"match traffic-category " through vManage add-on CLI push failed.
CSCwm12851	IOS-XE 17.12.3 uses 3DES as default rekey algorithm for GETVPN
CSCwk63722	Startup Configuration Failure Post PKI Server Enablement.
CSCwk97092	17.15: MKA session not coming up after shut/no shut with EVC.
CSCwm07564	cEdge: data-policy local-tloc-list breaks RTP media stream.
CSCwm08545	Centralized Policy Policer worked per PC on the same site not per site/vpn-list.
CSCwm13223	IOS-XE 17 Crashes in IOSd Due to Malformed DMVPN-5-NHRP_RES_REPLY_IGNORE Syslog.

ROMmon Release Requirements

For more information on ROMmon support for Route Processors (RPs), Embedded Services Processors (ESPs), Modular Interface Processors (MIPs), and Shared Port Adapter Interface Processors (SIPs) on Cisco ASR 1000 Series Aggregation Services Routers, see https://www.cisco.com/c/en/us/td/docs/routers/asr1000/rommon/asr1000-rommon-upg-guide.html.

Related Documentation

- Release Notes for Previous Versions of ASR 1000 Series Aggregation Services Routers
- Hardware Guides for Cisco ASR 1000 Series Aggregation Services Routers
- Configuration Guides for ASR 1000 Series Aggregation Services Routers
- Product Landing Page for ASR 1000 Series Aggregation Services Routers
- Datasheet for ASR 1000 Series Aggregation Services Routers
- Upgrading Field Programmable Hardware Devices for Cisco ASR 1000 Series Routers
- Cisco ASR 1000 Series Aggregation Services Routers ROMmon Upgrade Guide
- Field Notices
- Cisco Bulletins

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