

# Release Notes for Cisco Catalyst 8300 Series Edge Platforms, Cisco IOS XE Amsterdam 17.3.x

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## About Cisco Catalyst 8300 Series Edge Platforms

The Cisco Catalyst 8300 Series Edge Platforms are best-of-breed, 5G-ready, cloud edge platforms designed for accelerated services, multi-layer security, cloud-native agility, and edge intelligence to accelerate your journey to cloud.

Cisco Catalyst 8300 Series Edge Platforms with Cisco IOS XE SD-WAN Software deliver Cisco's secure, cloud-scale SD-WAN solution for the branch. The Cisco Catalyst 8300 Series Edge Platforms is built for high performance and integrated SD-WAN Services along with flexibility to deliver security and networking services together from the cloud or on premises. It provides higher WAN port density and a redundant power supply capability. The Cisco Catalyst 8300 Series Edge Platforms have a wide variety of interface options to choose from—ranging from lower and higher module density with backward compatibility to a variety of existing WAN, LAN, voice, and compute modules. Powered by Cisco IOS XE, fully programmable software architecture, and API support, these platforms can facilitate automation at scale to achieve zero-touch IT capability while migrating workloads to the cloud. The Cisco Catalyst 8300 Series Edge Platforms also come with Trustworthy Solutions 2.0 infrastructure that secures the platforms against threats and vulnerabilities with integrity verification and remediation of threats.

The Cisco Catalyst 8300 Series Edge Platforms are well suited for medium-sized and large enterprise branch offices for high WAN IPSec performance with integrated SD-WAN services.

For more information on the features and specifications of Cisco Catalyst 8300 Series Edge Platforms, refer to the Cisco Catalyst 8300 Series Edge platforms datasheet.



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**Note** Sections in this documentation apply to all models of Cisco Catalyst 8300 Series Edge Platforms unless a reference to a specific model is made explicitly.

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## Feature Navigator

You can use Cisco Feature Navigator (CFN) to find information about the software features, platform, and software image support on Cisco Catalyst 8200 and Catalyst 8300 Series Edge Platforms. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>.



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**Note** To access CFN, you do not require an account on cisco.com.

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# New and Changed Hardware and Software Features

## New and Changed Hardware Features

### New Hardware Features

- Cisco Catalyst 8300 Series Edge Platforms are available in these models:
- C8300-1N1S-4T2X
- C8300-1N1S-6T
- C8300-2N2S-4T2X
- C8300-2N2S-6T



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**Note** N=Network Interface Module, S=Services Module, and T=Gigabit Ethernet, X=Ten Gigabit

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For information on the hardware features supported on the Cisco Catalyst 8300 Series Edge Platforms, refer to the Cisco Catalyst 8300 Series Edge Platforms [datasheet](#).

- NIM-PVDM is the next-generation digital signal processor (DSP) module to utilize a PVDM4 chip for IP media services. This module enables the Catalyst 8300 Series Edge platforms to provide rich-media capabilities, such as high-density voice connectivity, conferencing, transcoding, media optimization, transrating, and secure voice for Cisco Unified Communications solutions

For information on the hardware features supported on the NIM-PVDM, refer to the Cisco Packet Voice Digital Signal Processor Modules for Cisco Unified Communications Solutions [datasheet](#).

## New and Changed Software Features in Cisco IOS XE 17.3.8a

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 17.3.8

There are no new software features in this release.

## New and Changed Software Features in Cisco IOS XE 17.3.7

There are no new software features in this release.

## New and Changed Software Features in Cisco IOS XE 17.3.6

There are no new software features in this release.

## New and Changed Software Features in Cisco IOS XE 17.3.5

There are no new software features in this release.

## New and Changed Software Features in Cisco IOS XE 17.3.4

There are no new software features in this release.

## New and Changed Software Features in Cisco IOS XE 17.3.3

**Table 1: New Software Features in Release Cisco IOS XE Amsterdam 17.3.3**

| Feature                                                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart Software Manager On-Prem (SSM On-Prem)<br>Support for Smart Licensing Using Policy | <p>SSM On-Prem is an asset manager, which works in conjunction with CSSM. It enables you to administer products and licenses on your premises instead of having to directly connect to CSSM.</p> <p>Here, a product instance is connected to SSM On-Prem, and SSM On-Prem becomes the single point of interface with CSSM. The product instance can be configured to <i>push</i> the required information to SSM On-Prem. Alternatively, SSM On-Prem can be set-up to <i>pull</i> the required information from a product instance at a configurable frequency. After usage information is available in SSM On-Prem, you must synchronize the same with CSSM, to ensure that the product instance count, license count and license usage information is the same on both, CSSM and SSM On-Prem. Offline and online options are available for synchronization between CSSM and SSM On-Prem.</p> <p>Minimum Required SSM On-Prem Version: Version 8, Release 202102</p> <p>Minimum Required Cisco IOS XE Version: Cisco IOS XE Amsterdam 17.3.3</p> <p>For more information, see <a href="#">Smart Licensing Using Policy for Cisco Enterprise Routing Platforms</a>.</p> |

Table 2: New Software Features in Release Cisco IOS XE Amsterdam 17.3.2

| Feature                                      | Description |
|----------------------------------------------|-------------|
| <a href="#">Smart Licensing Using Policy</a> |             |

| Feature | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | <p>An enhanced version of Smart Licensing, with the overarching objective of providing a licensing solution that does not interrupt the operations of your network, rather, one that enables a compliance relationship to account for the hardware and software licenses you purchase and use.</p> <p>With this licensing model, you do not have to complete any licensing-specific operations, such as registering or generating keys before you start using the software and the licenses that are tied to it. Only export-controlled and enforced licenses require Cisco authorization. License usage is recorded on your device with timestamps and the required workflows can be completed at a later date.</p> <p>Multiple options are available for license usage reporting – this depends on the topology you implement. You can use the Cisco Smart Licensing Utility (CSLU) Windows application, or report usage information directly to CSSM. A provision for offline reporting for air-gapped networks, where you download usage information and upload to CSSM, is also available.</p> <p>Starting with this release, Smart Licensing Using Policy is automatically enabled on the device. This is also the case when you upgrade to this release. By default, your Smart Account and Virtual Account in CSSM is enabled for Smart Licensing Using Policy.</p> <p>For conceptual, configuration, migration, and troubleshooting information for Smart Licensing Using Policy, see <a href="#">Cisco 8300 Series Software Configuration guide</a>.</p> <p>For a more detailed overview on Cisco Licensing, go to <a href="https://cisco.com/go/licensingguide">https://cisco.com/go/licensingguide</a>.</p> <p><b>Note</b> Starting with Cisco IOS XE Amsterdam 17.3.2, 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.</p> <p>The licensing utilities and user interfaces</p> |

| Feature                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                           | <p>that are affected by this limitation include only the following:</p> <ul style="list-style-type: none"> <li>• Cisco Smart Software Manager (CSSM),</li> <li>• Cisco Smart License Utility (CSLU), and</li> <li>• Smart Software Manager On-Prem (SSM On-Prem)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cisco DNA Center Support for Smart Licensing Using Policy | <p>Cisco DNA Center supports Smart Licensing Using Policy functionality starting with Cisco DNA Center Release 2.2.2. The corresponding minimum required Cisco IOS XE Release for this platform is Cisco IOS XE Amsterdam 17.3.2.</p> <p>Implement the “Connected to CSSM Through a Controller” topology to have Cisco DNA Center manage a product instance. When you do, the product instance records license usage, but it is the Cisco DNA Center that initiates communication with the product instance to retrieve and report usage to Cisco Smart Software Manager (CSSM), and returns the acknowledgement (RUM ACK).</p> <p>In order to meet reporting requirements, Cisco DNA Center provides ad hoc or on-demand reporting, as well as scheduled reporting options.</p> <p>Cisco DNA Center also provides workflows for the installation and removal of the Smart Licensing Authorization Code (SLAC) for a product instance, if applicable.</p> <p><b>Note</b> On the Cisco DNA Center GUI, you can generate a SLAC only for HSECK9 licenses, and only for certain product instances. See the <a href="#">configuration guide</a> for details.</p> |

## Cisco Catalyst 8300 Series Edge Platforms ROMmon Compatibility Matrix

The following table lists the ROMmon releases supported in Cisco IOS XE 17.3.x releases

**Table 3: Minimum and Recommended ROMmon Releases Supported on C8300-1N1S-4T2X|6T**

| Cisco IOS XE Release | Minimum ROMmon Release Supported for IOS XE | Recommended ROMmon Release Supported for IOS XE |
|----------------------|---------------------------------------------|-------------------------------------------------|
| 17.3.1               | 17.3(1r)                                    | 17.3(5r)                                        |

**Table 4: Minimum and Recommended ROMmon Releases Supported on C8300-2N2S-4T2X|6T**

| Cisco IOS XE Release | Minimum ROMmon Release Supported for IOS XE | Recommended ROMmon Release Supported for IOS XE |
|----------------------|---------------------------------------------|-------------------------------------------------|
| 17.3.1               | 17.3(1.2r)                                  | 17.3(1.2r)                                      |

## Resolved and Open Caveats

### About the Cisco Bug Search Tool

Use the [Cisco Bug Search Tool](#) to access open and resolved bugs for a release.

The tool allows you to search for a specific bug ID, or for all bugs specific to a product and a release.

You can filter the search results by last modified date, bug status (open, resolved), severity, rating, and support cases.

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.8a

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

| Bug ID                     | Description                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCwh87343</a> | Cisco IOS XE Software Web UI Privilege Escalation Vulnerability.<br>For more information, see Security Advisory: <a href="#">cisco-sa-iosxe-webui-privesc-j22SaA4z</a> |

## Open Caveats in Cisco IOS XE Amsterdam 17.3.8a

There are no open caveats in this release.

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.8

There are no resolved caveats in this release.

## Open Caveats in Cisco IOS XE Amsterdam 17.3.8

There are no open caveats in this release.

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.7

There are no resolved caveats in this release.

## Open Caveats in Cisco IOS XE Amsterdam 17.3.7

There are no open caveats in this release.

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.6

| Identifier                 | Headline                                                                                          |
|----------------------------|---------------------------------------------------------------------------------------------------|
| <a href="#">CSCwb23043</a> | MACsec not working on subinterfaces using dot1q > 255 between devices.                            |
| <a href="#">CSCwc06967</a> | IOS PKI client uses incorrect search filter for CRL retrieval using LDAPv3.                       |
| <a href="#">CSCvz92994</a> | Lack of MAC address in Inform Event message.                                                      |
| <a href="#">CSCwc13013</a> | IPSec Key Engine process holding memory continuously and not freeing up.                          |
| <a href="#">CSCwa17720</a> | Device rebooted de to watchdogs after issuing the commands <b>show crypto mib ipsec</b> commands. |
| <a href="#">CSCwb85046</a> | Device reloads when group-range is configured under an interface Group-Async.                     |
| <a href="#">CSCwb91026</a> | Traffic is hitting wrong sequence in the data policy.                                             |
| <a href="#">CSCwb25913</a> | After configuring match input-interface on class-map, device goes into a reboot loop.             |
| <a href="#">CSCwb04815</a> | NHRP process taking more CPU with ip nhrp redirect configured.                                    |
| <a href="#">CSCwa72273</a> | ZBFW dropping return packets from Zscalar tunnel post cedge upgrade to 17.3.4.                    |
| <a href="#">CSCwb25137</a> | NAT: Source address translation for multicast traffic fails with route-map.                       |
| <a href="#">CSCvy69405</a> | Device Appnav-XE connections are going as passthrough unsupported .                               |
| <a href="#">CSCwb55683</a> | Large number of IPSec tunnel flapping occurs when underlay is restored.                           |
| <a href="#">CSCwa67398</a> | NAT translations do not work for FTP traffic in the device.                                       |

| Identifier                 | Headline                                                                                             |
|----------------------------|------------------------------------------------------------------------------------------------------|
| <a href="#">CSCwa51443</a> | Incorrect check of the TCP sequence number causing return ICMP error packets to drop (Thousandeyes). |
| <a href="#">CSCwb24123</a> | Registration of spoke fails with dissimilar capabilities w.r.t to HUB.                               |
| <a href="#">CSCvw16093</a> | Secure key agent trace levels set to Noise by default.                                               |
| <a href="#">CSCwa84919</a> | "Revocation-check crl none" does not failover to NONE DNAC-CA                                        |
| <a href="#">CSCwb14020</a> | Serial interface stuck in "line protocol is down" state after it went down and it is recovered.      |
| <a href="#">CSCwb15331</a> | Keyman memory leak using public keys.                                                                |
| <a href="#">CSCvy30606</a> | catalyst 9800 fails to update sdn-network-infra-iwan key after 1 year                                |
| <a href="#">CSCwb76988</a> | IKEv2 fragmentation causes wrong message ID used for EAP authentication.                             |
| <a href="#">CSCwb99793</a> | CRL verification failure result 400 Bad Request with DigiCert                                        |
| <a href="#">CSCvz34668</a> | Static mapping for the hub lost on one of the spokes.                                                |
| <a href="#">CSCwb95559</a> | Packet Sanity failed for Resolution Reply on Spoke due to missing SMEF capability.                   |
| <a href="#">CSCwa68540</a> | FTP data traffic broken when UTD IPS enabled in both service VPN.                                    |

## Open Caveats in Cisco IOS XE Amsterdam 17.3.6

| Identifier                 | Headline                                                                                               |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| <a href="#">CSCwb72336</a> | ICMP traceroute return packet not classified based on forward override port information.               |
| <a href="#">CSCwa76570</a> | Device crashes due to %IDMGR-3-INVALID_ID: bad id in id_delete during session roaming.                 |
| <a href="#">CSCvx94323</a> | NHRP messages tagged with incorrect MPLS labels - unable to establish shortcut.                        |
| <a href="#">CSCwa43562</a> | Device link goes err-disabled due to link-flap after reloading Catalyst 8300 peer device.              |
| <a href="#">CSCwb66749</a> | When configuration ip nat inside/outside on VASI interface,ack/seq number abnormal.                    |
| <a href="#">CSCvy10041</a> | Removal of 'set reverse-route tag xxx' removes 'reverse-route' config from crypto map.                 |
| <a href="#">CSCvy79601</a> | Device gets rebooted when Tunnel move across two egress interfaces with QoS MPoL policy configuration. |
| <a href="#">CSCwa69101</a> | ISG: initiator unclassified ip-address LQipv4 command has no effect.                                   |
| <a href="#">CSCvz53819</a> | ZBFW : AR standby drops seen on Nnw active during RG switchover.                                       |
| <a href="#">CSCvz63684</a> | EWC Ha pair Experiencing IOS Tracebacks, followed by KEYMAN crash.                                     |
| <a href="#">CSCwb17282</a> | Router crashing when clearing a VPDN session.                                                          |

| Identifier                 | Headline                                                                                              |
|----------------------------|-------------------------------------------------------------------------------------------------------|
| <a href="#">CSCvx74212</a> | IKEv1 IPSec CAC (Call Admission Control) counter leak leading to %CRYPTO-4-IKE_DENY_SA_REQ.           |
| <a href="#">CSCwb08057</a> | ISG: Number of lite sessions conversion in progress counter not decrementing on failed account-logon  |
| <a href="#">CSCwc25291</a> | NIM-LTE-EA No Data - Requires Subslot reload to recover.                                              |
| <a href="#">CSCwb14888</a> | Unable to remove "switchport mode access" and "switchport nonegotiate" at the same time.              |
| <a href="#">CSCwb12647</a> | Device crash for stuck threads in cpp on packet processing.                                           |
| <a href="#">CSCwc39865</a> | Subscriber Session getting stuck and needs clearing it manually.                                      |
| <a href="#">CSCvt62123</a> | DMVPN - after removing IPSec, traffic is dropped on a tunnel interface.                               |
| <a href="#">CSCwb41907</a> | CPP uCode crash due to ipc congestion from dp to cp.                                                  |
| <a href="#">CSCwb46968</a> | Device template attachment causes pppoe commands to be removed from ethernet interface.               |
| <a href="#">CSCvy54048</a> | CPP Unexpected Reboot While Freeing CVLA Chunk.                                                       |
| <a href="#">CSCwa76260</a> | IKEv2 Deprecated Ciphers denied by Crypto Engine CDSL - PSB Security Compliance - DES, 3DES, DH1/2/5. |
| <a href="#">CSCvu77711</a> | Missing Mandatory Transform Type (ESN) in IKEv2 ESP Protocol.                                         |
| <a href="#">CSCwa76875</a> | After configuring match input-interface on class-map, router goes into a reboot loop.                 |
| <a href="#">CSCvv55742</a> | GETVPN-ipv6 & LISP support on the device.                                                             |
| <a href="#">CSCwc30050</a> | UTD: Exception in utd_logger.py due to missing extra-data in AMP alert.                               |
| <a href="#">CSCwb02142</a> | Traceback: fman_fp_image core after clearing packet-trace conditions.                                 |
| <a href="#">CSCvx28426</a> | Router may crash due to Crypto IKMP process.                                                          |

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.5

| Caveat ID Number           | Description                                   |
|----------------------------|-----------------------------------------------|
| <a href="#">CSCvw20026</a> | Evaluation of curie-2RU for Intel 2020.2 IPU. |

## Open Caveats in Cisco IOS XE Amsterdam 17.3.5

There are no open caveats in this release.

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.4a

| Caveat ID Number           | Description                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| <a href="#">CSCvv11460</a> | No redistributed connected route-map command not working.                                           |
| <a href="#">CSCvv33873</a> | Crimson Database Memory Leak In "/tmp/rp/tdldb/0/IOS_PRIV_OPER_DB" Due to "platform_property_value" |
| <a href="#">CSCvv72067</a> | Multicast till the scope configured is forwarded.                                                   |
| <a href="#">CSCvv92064</a> | App-aware policy need to be honored when queuing is not set by localized policy.                    |
| <a href="#">CSCvv95280</a> | The device may crash when ZBFW HSL(High Speed Logging) is configured.                               |
| <a href="#">CSCvw05211</a> | Pre-mature session deletion leading to churn and lower TPS at scale.                                |
| <a href="#">CSCvw23197</a> | BFD sessions go down on Service VPN after UTD is enabled on cEdge.                                  |
| <a href="#">CSCvw42048</a> | VTCP may cause packet drop for sip packets causing phones to reset.                                 |
| <a href="#">CSCvw45135</a> | Mismatch in System CPU statistic -- "Real Time" and historical 1/3/6/12h.                           |
| <a href="#">CSCvw52574</a> | Device configured with no ip unreachable sending ICMP Type 3 Code 13.                               |
| <a href="#">CSCvw60355</a> | DHCPv6: Memory allocation of DHCPv6 relay option results in crash.                                  |
| <a href="#">CSCvw65439</a> | Crash seen at chunk_lock or memcmp with ipv6 host scale.                                            |
| <a href="#">CSCvw81572</a> | Multiple crashes cpp_cp_svr and qfp-ucode on 16.12.4.                                               |
| <a href="#">CSCvw82778</a> | The device forwards own DNS request in Service VPN towards VPN0 instead of data-tunnel.             |
| <a href="#">CSCvw84671</a> | Hashed TACACS/RADIUS key displays differently in the running-config.                                |
| <a href="#">CSCvw86304</a> | Registering unsupported xpaths in mapping for cEdge.                                                |
| <a href="#">CSCvw86452</a> | OSPF External type-1 Route in Database but missing in RIB.                                          |
| <a href="#">CSCvx00578</a> | Crash at boot up in isis_ip_sr_prefix_sid_notify() with flex-algo setup.                            |
| <a href="#">CSCvx08994</a> | CTS credential password will be added to local keystore even if the password is longer than 24 char |
| <a href="#">CSCvx21270</a> | SDWAN custom policy that does not looked to be programmed correctly on the cedge platform.          |
| <a href="#">CSCvx23083</a> | 17.3.2: Route-map not working properly when we have multiple sequences with match/set with BGP      |
| <a href="#">CSCvx23159</a> | FW-4-ALERT_ON: (target:class)-():getting aggressive seen when no half open feature configed.        |
| <a href="#">CSCvx25394</a> | Increase In Memory Usage by pubd and confd Over Time With Telemerty                                 |

| Caveat ID Number           | Description                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------|
| <a href="#">CSCvx25977</a> | Crash is seen with 'show tech isis command.                                                           |
| <a href="#">CSCvx32670</a> | Wrong reload reason reflected after a power outage.                                                   |
| <a href="#">CSCvx34088</a> | [EVPN RT2-RT5] BGP crash<br>@bgp_evpn_evi_delete_rt5_path,bgp_evpn_l2rib_path_update                  |
| <a href="#">CSCvx34623</a> | SIT : IOS exception seen and ASR reboots when a netconf is issued to get interface details            |
| <a href="#">CSCvx34811</a> | The "clear pppoe all" command causes software crash.                                                  |
| <a href="#">CSCvx36146</a> | DCHP offer frame getting dropped on cEdge ISR4431 due to Policy.                                      |
| <a href="#">CSCvx36205</a> | Removing and Adding Bulk ACL leads to dataplane programming failure.                                  |
| <a href="#">CSCvx36763</a> | Zone Based Firewall on cEdge router dropping web traffic with the reason Zone-pair without policy.    |
| <a href="#">CSCvx38454</a> | ISR Crash for CENT-MC-0 process                                                                       |
| <a href="#">CSCvx41293</a> | TCP-AO may calculate incorrect MAC on IOS XE under certain conditions.                                |
| <a href="#">CSCvx41294</a> | High CPU usage caused by "TCP Timer" process.                                                         |
| <a href="#">CSCvx43798</a> | SIT 17.5.1 02/01: Stby switch reloaded due to config mismatch during telemetry push from DNAC.        |
| <a href="#">CSCvx44334</a> | VRF stuck in deleting after updating VRF configuration with "config replace bootflash:" command       |
| <a href="#">CSCvx45788</a> | cannot apply ciscosdwan.cfg due to vpg-log-server-acl ACL on VirtualPortGroup0 for logging            |
| <a href="#">CSCvx48936</a> | Native Multicast: Underlay Groups are not pruned once source stops multicast traffic                  |
| <a href="#">CSCvx49943</a> | Flex algo Sid not advertised after delete/config back of flex algo in ospf                            |
| <a href="#">CSCvx50511</a> | router crashes when BMP mem usage is 100% and vrf under address-family is removed.                    |
| <a href="#">CSCvx51664</a> | For-us Icmp packets are collected by cflowd which against the data-policy                             |
| <a href="#">CSCvx52273</a> | Smart license registration through proxy server fails.                                                |
| <a href="#">CSCvx53049</a> | Crash when TPOOL is updating and 'wr mem' is issues at same time                                      |
| <a href="#">CSCvx54540</a> | Missing neighbor x.x.x.x update-source Loopback10 when upgrade 16.12.4 to 17.3.2 w/o intent template. |
| <a href="#">CSCvx57615</a> | ZBFW blocking ACK packets for applications using clouDEXpress SaaS set to use a Gateway with synsent. |
| <a href="#">CSCvx59899</a> | IRouter rebooting due to CPP crashing because of UTD feature.                                         |

| Caveat ID Number           | Description                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| <a href="#">CSCvx64640</a> | Data plane VPLS traffic generating Control Word on all Label Switched Headers                       |
| <a href="#">CSCvx64756</a> | RIP MD5 Authentication failure when authentication key length is 16 characters.                     |
| <a href="#">CSCvx64846</a> | Show sdwan policy service-path/tunnel-path" command cause device crash                              |
| <a href="#">CSCvx65762</a> | SISF process reloads.                                                                               |
| <a href="#">CSCvx65789</a> | Unexpected reload generating pttcd and pubd cores                                                   |
| <a href="#">CSCvx72682</a> | [DMM/SLM test issue] CFM crash when using physical port, DMM/SLM doesn't work on EVC                |
| <a href="#">CSCvx73741</a> | custom app not getting detected after attached removed and re-attached- app-visibility is disabled  |
| <a href="#">CSCvx77203</a> | [17.5] Router crashed when sending traffic through non-SDWAN interface with DIA NAT + debug enabled |
| <a href="#">CSCvx78215</a> | An IOS XE device might crash at DoubleExceptionVector                                               |
| <a href="#">CSCvx81030</a> | Need to remove ordered-by user from the leaf-list dns-server-list                                   |
| <a href="#">CSCvx85334</a> | Port enters err-disabled state (BPDU guard) when LLDP packet with MAC DA:0180.c200.0000.            |
| <a href="#">CSCvx88246</a> | Packets dropped due to firewall + data policy interop issue.                                        |
| <a href="#">CSCvx88383</a> | DMI2   ERROR_NETCONF_RPC_ERROR   application communication failure                                  |
| <a href="#">CSCvx89710</a> | SCEP: CA server fails to rollover CA certificate with error: "Storage not accessible"               |
| <a href="#">CSCvx94722</a> | IOS-XE version 16.12.5 does generate jumbo frames for dot1x packets.                                |
| <a href="#">CSCvx97465</a> | IOS-XE Device Unexpected Reset due to Segmentation fault in IPv6 ICMP                               |
| <a href="#">CSCvx97718</a> | vtcp frees rx buffer when packet with expected next sequence arrives with no payload; phones reset. |
| <a href="#">CSCvy04606</a> | BGP BMP CPUHOG causing router reloaded with VRF scale deletion.                                     |
| <a href="#">CSCvy06736</a> | Config out of sync after upgrading to 17.4.1.                                                       |
| <a href="#">CSCvy08748</a> | OSPF summary-address isn't generated though candidate exists                                        |
| <a href="#">CSCvy12075</a> | Binding label is not associated for the routes associated with VRF.                                 |
| <a href="#">CSCvy14126</a> | Devices are crashing frequently 17.4.1b.                                                            |
| <a href="#">CSCvy25957</a> | Security container is dropping legitimate FIN,ACK Packets.                                          |
| <a href="#">CSCvy29106</a> | Device crashed on a Eigrp enabled device when Netconf get operation was used.                       |
| <a href="#">CSCvy30209</a> | IOS-XE cpp ucode crash with fragmented packets.                                                     |

| Caveat ID Number           | Description                                                      |
|----------------------------|------------------------------------------------------------------|
| <a href="#">CSCvy31298</a> | ISR4461 NIM-2GE-CU-SFP - Sub-interfaces not transmitting traffic |
| <a href="#">CSCvy35044</a> | Signature update failure - SSL-CERTIFICATE_VERIFY_FAILED.        |

## Open Caveats in Cisco IOS XE Amsterdam 17.3.4a

| Caveat ID Number           | Description                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| <a href="#">CSCvt62123</a> | DMVPN - after removing IPSec, traffic is dropped on a tunnel interface                              |
| <a href="#">CSCvt89229</a> | VRF rd value help menu asking for string instead of ASN:nn, IP-address:nn VPN Route Distinguisher   |
| <a href="#">CSCvu06483</a> | Data consistency errors seen on configuring mac-sec on the underlay interface with ipsec configured |
| <a href="#">CSCvu10830</a> | route-map doesn't allow to match ipv4 access-list                                                   |
| <a href="#">CSCvu41891</a> | Config mismatch between show run and show sdwan running-config while removing AAA config            |
| <a href="#">CSCvu57475</a> | Config sync failure when removing and adding config                                                 |
| <a href="#">CSCvu62879</a> | Crash@bgp_perform_general_scan.                                                                     |
| <a href="#">CSCvv17346</a> | Unexpected reload due to Crypto IKEv2 process                                                       |
| <a href="#">CSCvv38438</a> | Watchdog timeout due to Crypto IKMP                                                                 |
| <a href="#">CSCvv48885</a> | Issue with updating local-address in a crypto keyring.                                              |
| <a href="#">CSCvv85441</a> | match {community large-community extcommunity aspath} item may NVGEN too many items in one line.    |
| <a href="#">CSCvw48943</a> | Crypto ikev2 proposals are not processed separately                                                 |
| <a href="#">CSCvw73769</a> | 17.4 ZBFW:Cpp_cp crash seen when a rule is added at beginning in automation on the device           |
| <a href="#">CSCvw91361</a> | Crash when issuing "show crypto isakmp peers config"                                                |
| <a href="#">CSCvw94166</a> | IKE should have a mechanism to alert or mitigate resource exhaustion due to QM flooding             |
| <a href="#">CSCvx25680</a> | IOS-XE Memory Leak in SSS Manager                                                                   |
| <a href="#">CSCvx27965</a> | cEdge ipv6 netflow with high scale flows FNF does not working                                       |
| <a href="#">CSCvx34435</a> | Dot1q sub-interface syntax error when configuring "encapsulation dot1q" on C8500 HundredGigEx/y/z   |

| Caveat ID Number           | Description                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------|
| <a href="#">CSCvx35902</a> | Fman_rp: qos_hqf [L:1.0, N:0x3485061e18 ] (0p, 0c) download to FP failed resulting in a crash.       |
| <a href="#">CSCvx62167</a> | Route-map corruption when configured using Netconf with ncclient manager                             |
| <a href="#">CSCvx64449</a> | %CRYPTO-4-RECVD_PKT_MAC_ERR: decrypt: mac verify failed due to ip rtp header-compression iphc-format |
| <a href="#">CSCvx74212</a> | IKEv1 IPSec CAC (Call Admission Control) counter leak leading to %CRYPTO-4-IKE_DENY_SA_REQ           |
| <a href="#">CSCvx89805</a> | while polling BGP Neighbours under VRF getting all ip instead of associated ip.                      |
| <a href="#">CSCvy10041</a> | Removal of set reverse-route tag xxx' removes 'reverse-route' config from crypto map.                |
| <a href="#">CSCvy34805</a> | Consecutive Multicast Crashes is seen oin the device.                                                |
| <a href="#">CSCvy34854</a> | 17.X throttle running in sdwan mode does not have allowas in option in BGP.                          |
| <a href="#">CSCvy35490</a> | Order of operation in OSPF template.                                                                 |
| <a href="#">CSCvy42216</a> | Switchport trunk native vlan xx" gets removed when upgrading from 16.12.x to 17.3.3.                 |
| <a href="#">CSCvy54048</a> | CPP Crash While Freeing CVLA Chunk.                                                                  |
| <a href="#">CSCvy54314</a> | Data-policy local-tloc with app-route is dropping packets when SLA is not met                        |
| <a href="#">CSCvy55408</a> | Router multiple crash. - session hash corrupted.                                                     |
| <a href="#">CSCvy58115</a> | Cloudexpress Office 365 probes are hitting 100% loss.                                                |
| <a href="#">CSCvy67301</a> | URL Filtering regex pattern match not working on large pattern.                                      |
| <a href="#">CSCvy78087</a> | Qos download failed with FW policy when rebooting device                                             |
| <a href="#">CSCvy78123</a> | High CPU usage due to Multicast and Data Policy configuration.                                       |
| <a href="#">CSCvy79601</a> | The device gets rebooted when Tunnel move across two egress interfaces with QoS MPoL policy config   |
| <a href="#">CSCvy87803</a> | Ethernet loopback not working.                                                                       |
| <a href="#">CSCvv82985</a> | dhcpv6_relay:dhcp-client on branch not receive ipv6 address.                                         |

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.3

| Caveat ID Number           | Description                                                                   |
|----------------------------|-------------------------------------------------------------------------------|
| <a href="#">CSCvw08885</a> | Enhancement for logging systemd service failure on boot up as per CSCvp71539. |

## Resolved Caveats in Cisco IOS XE Amsterdam 17.3.2

| Caveat ID Number           | Description                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| <a href="#">CSCvb16018</a> | C8300-1N1S: NIMX-M-1TE-SFP/SM-X-E2-20UXF bp link issue during OIR reload ping                       |
| <a href="#">CSCvp75924</a> | C8300-1N1S-4T2X: "pause output" counter is not working in FPTE while sending oversubscribed traffic |

## Related Documentation

- [Hardware Installation Guide for Catalyst 8200 Series Edge Platforms](#)
- [Hardware Installation Guide for Catalyst 8300 Series Edge Platforms](#)
- [Smart Licensing Using Policy for Cisco Enterprise Routing Platforms](#)
- [Cisco Catalyst 8300 and 8200 Series Edge Platforms Software Configuration Guide](#)