

Release Notes for Cisco Embedded Wireless Controller on Catalyst Access Points, Cisco IOS XE 17.3.x

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Introduction to Cisco Embedded Wireless Controller on Catalyst Access Points



Caution

Problem Description: Authentication fails when attempting to upgrade software using the "CCO mode" in Cisco Embedded Wireless Controller (EWC) on a Cisco Catalyst Access Point (EWC-AP). This issue occurs when attempting to upgrade from a software release prior to one of the following releases: 17.3.x, 17.6.x, 17.9.5, 17.12.3, and 17.14.1.

Background: From May 1, 2024, onwards, Cisco Connection Online (CCO, known as cisco.com) will use a new authentication system for EWC-AP. This system is not backward compatible with the earlier EWC-AP software releases. EWC-AP software developed after January 31, 2024, will be able to authenticate with Cisco.com, before and after May 1, 2024. The releases include: 17.9.5 and later, 17.12.3 and later, and 17.14.1 and later.

Workaround: Download the desired EWC-AP image and load it into the EWC-AP over TFTP, SFTP, or (Desktop) HTTP.

Upgrade to one of the following releases:

1. 17.9.5 or later
2. 17.12.3 or later
3. 17.14.1 or later

After the upgrade, the CCO method for upgrades will work.

For more information, see [Field Notice: FN74124](#).

The Cisco Embedded Wireless Controller on Catalyst Access Points is a version of the Cisco IOS XE-based controller software on Catalyst access points. In this solution, a Catalyst access point (AP) that is running the

Cisco Embedded Wireless Controller on Catalyst Access Points software, is designated as the primary AP. Other APs, referred to as subordinate APs, associate to this primary AP.

The Cisco Embedded Wireless Controller on Catalyst Access Points provides enterprise-level WLAN features while maintaining operational simplicity and affordability. This solution is targeted at small and medium-sized business (SMB) customers or distributed enterprises, and can be run at single site deployments.

- The controllers come with high availability (HA) and seamless software updates. This keeps your services on always, both during planned and unplanned events.
- The deployment can be managed using a mobile application, Cisco Digital Network Architecture (DNA) Center, Netconf/Restconf, web-based GUI, or CLI.

What's New in Cisco IOS XE Amsterdam 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 Security Advisory: [cisco-sa-iosxe-webui-privesc-j22SaA4z](#).

What's New in Cisco IOS XE Amsterdam 17.3.8

This release comprises only PSIRT fixes. There are no new features or enhancements in this release.

What's New in Cisco IOS XE Amsterdam 17.3.7

There are no new features or enhancements in this release.

What's New in Cisco IOS XE Amsterdam 17.3.6

There are no new features or enhancements in this release.

What's New in Cisco IOS XE Amsterdam 17.3.5b

There are no new features or enhancements in this release.

What's New in Cisco IOS XE Amsterdam 17.3.5a

Table 1: Software Features Introduced on Cisco Embedded Wireless Controller on Catalyst Access Points

Feature Name	Description and Documentation Link
Automated Software Download Version 4 (ASDv4) Migration	<p>Cisco Embedded Wireless Controller on Catalyst Access Points requires Automated Software Download Version 3 (ASDv3) to download software from Cisco.com.</p> <p>However, ASDv3 is being replaced by ASDv4 from July 2022. Consequently, the software download feature will not work on older Cisco IOS XE releases.</p> <p>We recommend that you upgrade your device software image to Cisco IOS XE Amsterdam 17.3.5a, Cisco IOS XE Bengaluru 17.6.3 (when available), Cisco IOS XE Cupertino 17.8. (when available), or a later release to enable the software download feature with ASDv4.</p>

This release also includes critical bug fixes relating to scale and stability improvements.

What's New in Cisco IOS XE Amsterdam 17.3.4c

There are no new features or enhancements in this release.

What's New in Cisco IOS XE Amsterdam 17.3.4

There are no new features or enhancements in this release.

What's New in Cisco IOS XE Amsterdam 17.3.3

Table 2: Software Features Introduced on Cisco Embedded Wireless Controller on Catalyst Access Points

Feature Name	Description and Documentation Link
Smart Software Manager On-Prem (SSM On-Prem) 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 the Smart Licensing Using Policy chapter and the Command Reference guide.</p>

What's New in Cisco IOS XE Amsterdam 17.3.2a

Table 3: Software Features Introduced on Cisco Embedded Wireless Controller on Catalyst Access Points

Feature Name	Description and Documentation Link
Smart Licensing Using Policy	<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 before use. 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 more information, see the Smart Licensing Using Policy chapter.</p> <p>For a more detailed overview on Cisco Licensing, go to cisco.com/go/licensingguide.</p>

Feature Name	Description and Documentation Link
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 17.3.2a.</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>For more information, see the Smart Licensing Using Policy chapter.</p>

What's New in Cisco IOS XE Amsterdam 17.3.1

Table 4: Software Features Introduced on Cisco Embedded Wireless Controller on Catalyst Access Points

Feature Name	Description and Documentation Link
Enhanced Certificate Management Through GUI	<p>The Public Key Infrastructure (PKI) Management page now displays the following:</p> <p>Trustpoints tab: Used to add, create or enroll a new trustpoint. This also displays the details of the trustpoint. You can also see if the trustpoint is in use for any of the features.</p> <p>CA Server tab: Used to enable or disable the Certificate Authority (CA) server functionality enabled for the controller to generate a Self-Signed Certificate (SSC).</p> <p>Key Pair Generation tab: Used to generate key pairs.</p> <p>Certificate Management tab: Used to generate and manage certificates, and perform other certificate management tasks.</p>
AP Image Predownload Status Enhancement	<p>During AP image download, the Embedded Wireless Controller calculates the current completion of the download.</p> <p>The Software Update Status section in the GUI displays the update status bar that shows the progress of Image Download, AP Image Download, Network Upgrade, Activate, and Reload.</p> <p>The following commands were introduced:</p> <ul style="list-style-type: none"> • show wireless ewc-ap ap image predownload status

Feature Name	Description and Documentation Link
Multicast Domain Name System Gateway Support	<p>Bonjour protocol is an Apple service discovery protocol which locates devices and System (mDNS) service records.</p> <p>By default, the mDNS gateway is disabled on the controller. To enable mDNS using CLI or Web UI.</p> <p>The following commands were introduced:</p> <ul style="list-style-type: none"> • mdns-sd • active-query timer • mdns-sd-interface • mdns-sd flex-profile • wired-vlan-range • mdns-sd profile • update-timer • show mdns-sd summary • show mdns-sd cache • show mdns-sd statistics • show mdns-sd flexconnect summary • clear mdns-sd cache • clear mdns-sd statistics
Support for Cisco Catalyst 9105 Series APs	Support is added for Cisco Catalyst 9105I and 9105W APs in this release.



Note Hot Software Maintenance Upgrade is not supported for Cisco Embedded Wireless Controller on Catalyst Access Points, in the Cisco IOS XE Amsterdam 17.3.1 Release.

Table 5: Web UI Features Introduced or Modified on Cisco Embedded Wireless Controller on Catalyst Access Points

Feature Name	Web UI Path
Dark Mode option	<p>You can enable Dark Mode in the GUI. Dark Mode (screen with light text in a eye strain, especially in low-light conditions. Screen glare and flickering is also</p> <p>Click the Preferences icon (the gear icon) > Dark Mode option</p>
Enhanced Certificate Management Through the GUI	Configuration > Security > PKI Management

Feature Name	Web UI Path
AP Image Predownload Status Enhancement	Administration > Software Management > Software Upgrade

Behavior Changes

- From Cisco IOS XE Amsterdam 17.3.1 onwards, the AP name can only be up to 32 characters.
- When EoGRE AAA-proxy is used, AAA ports are set to 1645 and 1646 by default. To change this port configuration, use the following command: **tunnel eogre interface *tunnel-intf* aaa proxy key *key* key-name *auth-port* *auth_port* acct-port *acct_port***
- Adding support for the LED blink in Cisco Catalyst 9800 Wireless Controllers.
- Log viewer window added to the GUI, to view radioactive trace logs.
- New field added to display AP configuration state in the GUI.
- Column header in rogue detection changed from MFP Required to PMF Required.
- The **Central Forwarding** field that was present in the **EoGRE > Tunnel Profiles > Edit Tunnel Profile > General** tab, has been removed.

Important Notes

Licensing Information Missing In Case of Simultaneous Dual Failure of the Active and Standby Embedded Wireless Controller - AP Controller

In a network of Cisco Embedded Wireless Controller on Catalyst Access Points (EWC) - AP, one of the APs will be elected as the controller (you can configure the same by giving priority to one of the APs). If the active and standby EWCs fail simultaneously, a couple of other APs become the new active and standby EWCs. In such a case, the licensing information stored in the original active and standby EWCs will not be available in the new active-standby pair controllers.

To resolve this issue manually, do the following:

1. Recover the previously active or standby controller.
2. Wait for it to become the standby controller, and perform a failover to make it an active controller.
3. If this method fails, or if it is not possible due to the original failure, then install the trust code on the newly active controller.

Supported Cisco Access Point Platforms

The following Cisco access points are supported in the Cisco Embedded Wireless Controller on Catalyst Access Points network. Note that the APs listed as primary APs can also function as subordinate APs.

Table 6: Cisco APs Supported in Cisco Embedded Wireless Controller on Catalyst Access Points

Primary AP	Subordinate AP
Cisco Catalyst 9115 Series	Cisco Aironet 1540 Series
Cisco Catalyst 9117 Series	Cisco Aironet 1560 Series
Cisco Catalyst 9120 Series	Cisco Aironet 1815i
Cisco Catalyst 9130	Cisco Aironet 1815w
	Cisco Aironet 1830 Series
	Cisco Aironet 1840 Series
	Cisco Aironet 1850 Series
	Cisco Aironet 2800 Series
	Cisco Aironet 3800 Series
	Cisco Aironet 4800 Series
	Cisco Catalyst 9115 Series
	Cisco Catalyst 9117 Series
	Cisco Catalyst 9120 Series
	Cisco Catalyst 9130
	Cisco Catalyst 9105AXW
	Cisco Catalyst Industrial Wireless 6300 Heavy Duty Series Access Points
	Cisco 6300 Series Embedded Services Access Points

Table 7: Image Types and Supported APs in Cisco Embedded Wireless Controller on Catalyst Access Points

Image Type	Supported APs
ap1g4	Cisco Aironet 1810 Series Cisco Aironet 1830 Series Cisco Aironet 1850 Series
ap1g5	Cisco Aironet 1815i Cisco Aironet 1815w Cisco Aironet 1540 Series Cisco Aironet 1850 Series
ap1g6	Cisco Catalyst 9117 Series
ap1g6a	Cisco Catalyst 9130

Image Type	Supported APs
ap1g7	Cisco Catalyst 9115 Series Cisco Catalyst 9120 Series
ap1g8	Cisco Catalyst 9105 Series
ap3g3	Cisco Aironet 2800 Series Cisco Aironet 3800 Series Cisco Aironet 4800 Series Cisco Aironet 1560 Series Cisco Catalyst Industrial Wireless 6300 Heavy Duty Series Access Points Cisco 6300 Series Embedded Services Access Points

Maximum APs and Clients Supported

Table 8: Scale Supported in Cisco EWC Network

Primary AP Model	Maximum APs Supported	Maximum Clients Supported
Cisco Catalyst 9105 AWI	50	1000
Cisco Catalyst 9115 Series	50	1000
Cisco Catalyst 9117 Series	50	1000
Cisco Catalyst 9120 Series	100	2000
Cisco Catalyst 9130	100	2000



Note If 25 to 100 APs have joined the EWC network, the maximum clients on the EWC internal AP is limited to 20.

Compatibility Matrix

The following table provides software compatibility information:

Table 9: Compatibility Information

Cisco Embedded Wireless Controller on Catalyst Access Points	Cisco ISE	Cisco CMX	Cisco DNA Center
Amsterdam 17.3.x	2.6 2.4 2.3	10.6.2 10.6 10.5.1	2.1.260

Supported Browsers and Operating Systems for Web UI



Note The following list of Supported Browsers and Operating Systems is not comprehensive at the time of writing this document and the behavior of various browser for accessing the GUI of the EWC is as listed below.

Table 10: Supported Browsers and Operating Systems

Browser	Version	Operating System	Status	Workaround
Google Chrome	77.0.3865.120	macOS Mojave Version 10.14.6	Works	Proceed through the browser warning.
Safari	13.0.2 (14608.2.40.1.3)	macOS Mojave Version 10.14.6	Works	Proceed through the browser warning.
Mozilla Firefox	69.0.1	macOS Mojave Version 10.14.6	Works only if exception is added.	Set the exception.
Mozilla Firefox	69.0.3	macOS Mojave Version 10.14.6	Works only if exception is added.	Set the exception.
Google Chrome	77.0.3865.90	Windows 10 Version 1903 (OS Build 18362.267)	Works	Proceed through the browser warning.
Microsoft Edge	44.18362.267.0	Windows 10 Version 1903 (OS Build 18362.267)	Works	Proceed through the browser warning.
Mozilla Firefox	68.0.2	Windows 10 Version 1903 (OS Build 18362.267)	Works	Proceed through the browser warning.
Mozilla Firefox	69.0.3	Windows 10 Version 1903 (OS Build 18362.267)	Works only if exception is added.	Set the exception.
Google Chrome	78.0.3904.108	macOS Catalina 10.15.1	Does not work	NA

Upgrading the Controller Software

This section covers the various aspects of upgrading the controller software.

For information on ASDv4 migration, see the [What's New in Cisco IOS XE Amsterdam 17.3.5a](#) section.

For information on upgrading the controller software, see the "Software Management" section in the [Cisco Embedded Wireless Controller on Catalyst Access Points Online Help](#).



Note Before converting from CAPWAP to embedded wireless controller (EWC), ensure that you upgrade the corresponding AP with the CAPWAP image in Cisco AireOS Release 8.10.105.0. If this upgrade is not performed, the conversion will fail.

Finding the Software Version

The following table lists the Cisco IOS XE 17.3.x software for Cisco Embedded Wireless Controller on Catalyst Access Points.

Choose the appropriate AP software based on the following:

- Cisco Embedded Wireless Controller on Catalyst Access Points software to be used for converting the AP from an unified wireless network CAPWAP lightweight AP to a Cisco Embedded Wireless Controller on Catalyst Access Points-capable AP (primary AP)
- AP software image bundle to be used either for upgrading the Cisco Embedded Wireless Controller on Catalyst Access Points software on the primary AP or for updating the software on the subordinate APs or both

Prior to ordering Cisco APs, see the corresponding ordering guide for your Catalyst or Aironet access point.

Table 11: Cisco Embedded Wireless Controller on Catalyst Access Points Software

Primary AP	AP Software for Conversion from CAPWAP to Cisco EWC	AP Software Image Bundle for Upgrade	AP Software in the Bundle
Cisco Catalyst 9115 Series	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	ap1g7
Cisco Catalyst 9117 Series	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	ap1g6

Primary AP	AP Software for Conversion from CAPWAP to Cisco EWC	AP Software Image Bundle for Upgrade	AP Software in the Bundle
Cisco Catalyst 9120 Series	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	ap1g7
Cisco Catalyst 9130 Series	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	C9800-AP-universalk9.17.03.8a.zip C9800-AP-universalk9.17.03.08.zip C9800-AP-universalk9.17.03.07.zip C9800-AP-universalk9.17.03.06.zip C9800-AP-universalk9.17.03.5b.zip C9800-AP-universalk9.17.03.5a.zip C9800-AP-universalk9.17.03.4c.zip C9800-AP-universalk9.17.03.04.zip C9800-AP-universalk9.17.03.03.zip C9800-AP-universalk9.17.03.2a.zip C9800-AP-universalk9.17.03.01.zip	ap1g6a

Guidelines and Restrictions

Internet Group Management Protocol (IGMP)v3 is not supported on Cisco Aironet Wave 2 APs.

Embedded Wireless Controller SNMP configuration is supported in DNAC.

High memory usage on AP running Embedded Wireless Controller. Enabling **crash kernel** on the AP consumes additional memory on the AP. Hence, if **crash kernel** is enabled, the overall memory usage of the device will increase and will impact the scale numbers. On Cisco Catalyst 9130 Access Points, the memory consumption is a high of 128 MB.



Note While upgrading EWC, if you have enabled **crash kernel** on the AP, disable the feature and then enable it again post upgrade. Ensure that you reboot the AP post enable or disable.

During the EWC HA pair selection, after a power outage, the standby AP fails to come up in the new EWC HA pair. Another EWC capable AP becomes the standby AP and fails to come up as well. To avoid this situation, ensure that the same IP address is enforced on the active or standby APs during HA pair selection.

Interoperability with Clients

This section describes the interoperability of the controller software with client devices.

The following table describes the configurations used for testing client devices.

Table 12: Test Configuration for Interoperability

Hardware or Software Parameter	Hardware or Software Type
Release	Cisco IOS XE Amsterdam 17.3.1
Access Points	<ul style="list-style-type: none"> • Cisco Aironet Series Access Points <ul style="list-style-type: none"> • 1540 • 1560 • 1815i • 1815w • 1830 • 1840 • 1850 • 2800 • 3800 • 4800 • Cisco Catalyst 9105AX Access Points • Cisco Catalyst 9115AX Access Points • Cisco Catalyst 9117AX Access Points • Cisco Catalyst 9120AX Access Points • Cisco Catalyst 9130AX Access Points

Hardware or Software Parameter	Hardware or Software Type
Radio	<ul style="list-style-type: none"> • 802.11ax • 802.11ac • 802.11a • 802.11g • 802.11n (2.4 GHz or 5 GHz)
Security	Open, PSK (WPA2-AES), 802.1X (WPA2-AES) (EAP-FAST, EAP-TLS), WPA3.
Cisco ISE	See Compatibility Matrix, on page 10 .
Types of tests	Connectivity, traffic (ICMP), and roaming between two APs

The following table lists the client types on which the tests were conducted. Client types included laptops, hand-held devices, phones, and printers.

Table 13: Client Types

Client Type and Name	Driver / Software Version
Wi-Fi 6 Devices (Mobile Phone and Laptop)	
Apple iPhone 11	iOS 14.1
Apple iPhone SE 2020	iOS 14.1
Dell Intel AX1650w	Windows 10 (21.90.2.1)
DELL LATITUDE 5491 (Intel AX200)	Windows 10 Pro (21.40.2)
Samsung S20	Android 10
Samsung S10 (SM-G973U1)	Android 9.0 (One UI 1.1)
Samsung S10e (SM-G970U1)	Android 9.0 (One UI 1.1)
Samsung Galaxy S10+	Android 9.0
Samsung Galaxy Fold 2	Android 10
Samsung Galaxy Flip Z	Android 10
Samsung Note 20	Android 10
Laptops	
Acer Aspire E 15 E5-573-3870 (Qualcomm Atheros QCA9377)	Windows 10 Pro (12.0.0.832)
Apple Macbook Air 11 inch	OS Sierra 10.12.6
Apple Macbook Air 13 inch	OS Catalina 10.15.4

Client Type and Name	Driver / Software Version
Apple Macbook Air 13 inch	OS High Sierra 10.13.4
Macbook Pro Retina	OS Mojave 10.14.3
Macbook Pro Retina 13 inch early 2015	OS Mojave 10.14.3
Dell Inspiron 2020 Chromebook	Chrome OS 75.0.3770.129
Google Pixelbook Go	Chrome OS 84.0.4147.136
HP chromebook 11a	Chrome OS 76.0.3809.136
Samsung Chromebook 4+	Chrome OS 77.0.3865.105
DELL Latitude 3480 (Qualcomm DELL wireless 1820)	Win 10 Pro (12.0.0.242)
DELL Inspiron 15-7569 (Intel Dual Band Wireless-AC 3165)	Windows 10 Home (18.32.0.5)
DELL Latitude E5540 (Intel Dual Band Wireless AC7260)	Windows 7 Professional (21.10.1)
DELL XPS 12 v9250 (Intel Dual Band Wireless AC 8260)	Windows 10 (19.50.1.6)
DELL Latitude 5491 (Intel AX200)	Windows 10 Pro (21.40.2)
DELL XPS Latitude12 9250 (Intel Dual Band Wireless AC 8260)	Windows 10 Home (21.40.0)
Lenovo Yoga C630 Snapdragon 850 (Qualcomm AC 2x2 Svc)	Windows 10(1.0.10440.0)
Lenovo Thinkpad Yoga 460 (Intel Dual Band Wireless-AC 9260)	Windows 10 Pro (21.40.0)
Note	For clients using Intel wireless cards, we recommend you to update to the latest Intel wireless drivers if advertised SSIDs are not visible.
Tablets	
Apple iPad Pro	iOS 13.5
Apple iPad Air2 MGLW2LL/A	iOS 12.4.1
Apple iPad Mini 4 9.0.1 MK872LL/A	iOS 11.4.1
Apple iPad Mini 2 ME279LL/A	iOS 12.0
Microsoft Surface Pro 3 – 11ac	Qualcomm Atheros QCA61x4A
Microsoft Surface Pro 3 – 11ax	Intel AX201 chipset. Driver v21.40.1.3
Microsoft Surface Pro 7 – 11ax	Intel Wi-Fi chip (HarrisonPeak AX201) (11ax, WPA3)
Microsoft Surface Pro X – 11ac & WPA3	WCN3998 Wi-Fi Chip (11ac, WPA3)

Client Type and Name	Driver / Software Version
Mobile Phones	
Apple iPhone 5	iOS 12.4.1
Apple iPhone 6s	iOS 13.5
Apple iPhone 8	iOS 13.5
Apple iPhone X MQA52LL/A	iOS 13.5
Apple iPhone 11	iOS 14.1
Apple iPhone SE MLY12LL/A	iOS 11.3
ASCOM SH1 Myco2	Build 2.1
ASCOM SH1 Myco2	Build 4.5
ASCOM Myco 3 v1.2.3	Android 8.1
Drager Delta	VG9.0.2
Drager M300.3	VG2.4
Drager M300.4	VG2.4
Drager M540	DG6.0.2 (1.2.6)
Google Pixel 2	Android 10
Google Pixel 3	Android 11
Google Pixel 3a	Android 11
Google Pixel 4	Android 11
Huawei Mate 20 pro	Android 9.0
Huawei P20 Pro	Android 9.0
Huawei P40	Android 10
LG v40 ThinQ	Android 9.0
One Plus 8	Android 10
Oppo Find X2	Android 10
Redmi K20 Pro	Android 10
Samsung Galaxy S7	Android 6.0.1
Samsung Galaxy S7 SM - G930F	Android 8.0
Samsung Galaxy S8	Android 8.0
Samsung Galaxy S9+ - G965U1	Android 9.0
Samsung Galaxy SM - G950U	Android 7.0
Sony Xperia 1 ii	Android 10

Client Type and Name	Driver / Software Version
Sony Experia xz3	Android 9.0
Xiaomi Mi10	Android 10
Spectralink 8744	Android 5.1.1
Spectralink Versity Phones 9540	Android 8.1
Vocera Badges B3000n	4.3.2.5
Vocera Smart Badges V5000	5.0.4.30
Zebra MC40	Android 5.0
Zebra MC40N0	Android Ver: 4.1.1
Zebra MC92N0	Android Ver: 4.4.4
Zebra TC51	Android 7.1.2
Zebra TC52	Android 8.1.0
Zebra TC55	Android 8.1.0
Zebra TC57	Android 8.1.0
Zebra TC70	Android 6.1
Zebra TC75	Android 6.1.1
Printers	
Zebra QLn320 Printer	LINK OS 6.3
Zebra ZT230 Printer	LINK OS 6.3
Zebra ZQ310 Printer	LINK OS 6.3
Zebra ZD410 Printer	LINK OS 6.3
Zebra ZT410 Printer	LINK OS 6.3
Zebra ZQ610 Printer	LINK OS 6.3
Zebra ZQ620 Printer	LINK OS 6.3
Wireless Module	
Intel 11ax 200	Driver v22.20.0
Intel AC 9260	Driver v21.40.0
Intel Dual Band Wireless AC 8260	Driver v19.50.1.6

Issues

Issues describe unexpected behavior in Cisco IOS releases. Issues that are listed as Open in a prior release are carried forward to the next release as either Open or Resolved.



Note All incremental releases will cover fixes from the current release.

Cisco Bug Search Tool

The Cisco [Bug Search Tool](#) (BST) allows partners and customers to search for software bugs based on product, release, and keyword, and aggregates key data such as bug details, product, and version. The BST is designed to improve the effectiveness in network risk management and device troubleshooting. The tool has a provision to filter bugs based on credentials to provide external and internal bug views for the search input.

To view the details of a caveat, click the corresponding identifier.

Open Caveats for Cisco IOS XE Amsterdam 17.3.8a

Identifier	Headline
CSCvg70549	Error propagation from wncd back to manageability agent through wncmgrd.
CSCvy89508	The primary member displays "standby hot" even though the standby is in recovery mode.
CSCwd96484	Controller is reloading unexpectedly generating "wncd" core files.
CSCwe38431	Controller is remarking SIP packets from CS3 to CS0 in upstream/downstream when voice cac is configured.
CSCvu29470	Cisco Catalyst 9130 Series APs are not updated as monitor in Current-Band in the show ap fra command.
CSCvu49203	The show ap fra command output on the controller is not aligned properly.
CSCvu49930	Channel change to 165 and channel width change to 20 fails via OC when the AP is configured with channel width 40.
CSCvu75020	The FRA timer does not work on the show ap fra command.
CSCvv38005	Logging message not seen when the noise threshold is moved to passed or failed for XOR radio (5-Ghz).
CSCvz82490	WPA3-Suite B: Incorrect APUT response to STA incorrect TLS authentication parameters.
CSCwc51857	Controller GUI displays 802.1x with a lowercase 'x' instead of 802.1X with a capital 'X'.
CSCwc62824	Controller does not send LLC or XID spoofed frames after a mobility event.
CSCwc86955	Dual DFS stats on AP do not match controller information.
CSCwd73783	Cisco Catalyst 9800-L Series Controller: Observed qfp-ucode-wlc crash.
CSCwe22625	Controller GUI goes blank after logging in if username has '&'.

Identifier	Headline
CSCwe25610	Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_REMOTE_MOBILITY_DELETE - Mobility Local.
CSCwe31270	Clients stop passing traffic when there is a missing bandwidth limit AAA attribute on the controller.
CSCvw51315	Cisco Catalyst 9120 AP: Kernel panic is seen on AP when client is disconnected and connected back with Target Wake Time (TWT) session.
CSCvw59760	ECDHE ciphers are not listed when WLAN Common Criteria (WLAN CC) is enabled.
CSCvw64170	After changing channel and bandwidth of AP (with SIA), antenna shows incorrect legal/configured gain.
CSCvx03815	Cisco Catalyst 9120AX AP+SIA-DART: Initial configuration for slot 0 show configured gain value as 0.
CSCvy16422	Cisco Catalyst 9115 and 9120 APs are crashing: WL_REINIT_RC_MQ_ERROR.
CSCvy92773	Cisco Catalyst 9117 AP: Crash is observed on Slot 1.
CSCvz16102	Cisco Catalyst 9105i OEAP is crashing due to kernel panic.
CSCvz16109	Cisco Catalyst 9105w Office Extend Access Points (OEAP) is crashing due to kernel panic.
CSCvz18045	Cisco Catalyst 9130 AP: Probe suppression for Macro-Micro cell client steering is not supported.
CSCvz59428	Unclear reason for radio reset due to role change sent from controller to Cisco DNA Center.
CSCvz78407	Tx power mismatch on RAP & MAP even though same power is set on RAP & MAP.
CSCvz99564	Cisco APs are not assigned up with IPv6 addresses after upgrade from 17.6.1 to 17.6.2 or 17.7.1.
CSCwa11312	Cisco Catalyst 9124E AP: Max transmit power is being capped for some domains resulting in 3 to 4dB less power.
CSCwa38528	Cisco Catalyst 9105w OEAP: CAPWAP DTLS session is closed for AP due to DTLS server session shutdown.
CSCwa90838	Firmware crash is observed on Radio 1 on the Cisco Catalyst 9130 AP in FlexConnect mode.
CSCwa96037	Cisco Catalyst 9120 AP: Radio crash is observed on Slot 0.
CSCwb38948	Cisco Catalyst 9124 AP: MAPs are no longer able to join RAP due to security failures.
CSCwb84844	Cisco Catalyst OEAP 9105w CAPWAP DTLS session closed for AP, due to DTLS shutdown.

Identifier	Headline
CSCwc10696	Regular ASR support field is disabled for supporting clients.
CSCwc95496	Cisco Catalyst 9130 AP: Radio crash is observed.
CSCwd06001	Linux iosd crash on standby controller during reload of the Cisco Catalyst 9800-L Wireless Controller.
CSCwd78616	Cisco Catalyst AP9115 Tx power high and abnormal Dynamic Channel Assignment (DCA) channel assignment due to no neighbors.
CSCwd79502	Controller is tracking stale entry due to anchored client getting IPv4 and IPv6 in different VLANs.
CSCwd90742	Cisco Catalyst 9120AX AP kernel crash - PC is at rhb_del_interface+0xc.
CSCwd93773	Controller should not enable second 5-Ghz radio for 9124E with PoE+ (30W).
CSCwd96333	Cisco Wave 1 AP is crashing on CAPWAP restart from the controller.
CSCwe11747	Cisco Catalyst 9130AX APs are decoding Extensible Authentication Protocol (EAP) request ID incorrectly.
CSCwe17593	Cisco Catalyst 9115 AP in workgroup bridge (WGB) stops sending traffic to the root AP after about 60 seconds from its initial connection.
CSCwe18846	6-Ghz RRM channel change is observed due to sudden spike in noise.
CSCwe30473	Radio firmware reloads unexpectedly due to a frozen RC queue.
CSCwe31030	Cisco Catalyst 9105AXW APs are crashing.
CSCwe32005	Cisco Catalyst 9130 AP: Packet loss is observed on Digital Signage device.
CSCwe38243	Cisco DNA Centre: Tx power change is not getting applied on controller and AP.
CSCwe43294	Cisco Catalyst 9105AXW AP and Cisco Aironet 1815W Flex RLAN AP does not apply VLAN in the ethernet port after AAA vlan override.
CSCwe44991	Cisco Catalyst 9105AX AP: Kernel panic crash is observed.
CSCwe45300	Cisco Catalyst 9120 AP: Sending Msg:2 in mode:2 to hostapd failed.
CSCwe45894	Cisco AP is not forwarding IGMPv3 query to wireless clients.
CSCwe45970	Cisco Catalyst 9105 AP is stuck in U-BOOT.
CSCwe50033	Cisco Catalyst 9120AX AP: Clients are continuously disconnecting if more than 10 clients are using MS TEAMS.
CSCwe53573	Cisco Aironet 1815W AP: Kernel panic with radio stats crash.
CSCwe55494	Cisco Aironet 1832 AP is not sending packets to radio.

Open Caveats for Cisco IOS XE Amsterdam 17.3.8

Identifier	Headline
CSCvg70549	Error propagation from wncd back to manageability agent through wncmgrd.
CSCvy89508	The primary member displays "standby hot" even though the standby is in recovery mode.
CSCwd96484	Controller is reloading unexpectedly generating "wncd" core files.
CSCwe38431	Controller is remarking SIP packets from CS3 to CS0 in upstream/downstream when voice cac is configured.
CSCvu29470	Cisco Catalyst 9130 Series APs are not updated as monitor in Current-Band in the show ap fra command.
CSCvu49203	The show ap fra command output on the controller is not aligned properly.
CSCvu49930	Channel change to 165 and channel width change to 20 fails via OC when the AP is configured with channel width 40.
CSCvu75020	The FRA timer does not work on the show ap fra command.
CSCvv38005	Logging message not seen when the noise threshold is moved to passed or failed for XOR radio (5-Ghz).
CSCvz82490	WPA3-Suite B: Incorrect APUT response to STA incorrect TLS authentication parameters.
CSCwc51857	Controller GUI displays 802.1x with a lowercase 'x' instead of 802.1X with a capital 'X'.
CSCwc62824	Controller does not send LLC or XID spoofed frames after a mobility event.
CSCwc86955	Dual DFS stats on AP do not match controller information.
CSCwd73783	Cisco Catalyst 9800-L Series Controller: Observed qfp-ucode-wlc crash.
CSCwe22625	Controller GUI goes blank after logging in if username has '&'.
CSCwe25610	Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_REMOTE_MOBILITY_DELETE - Mobility Local.
CSCwe31270	Clients stop passing traffic when there is a missing bandwidth limit AAA attribute on the controller.
CSCvw51315	Cisco Catalyst 9120 AP: Kernel panic is seen on AP when client is disconnected and connected back with Target Wake Time (TWT) session.
CSCvw59760	ECDHE ciphers are not listed when WLAN Common Criteria (WLAN CC) is enabled.
CSCvw64170	After changing channel and bandwidth of AP (with SIA), antenna shows incorrect legal/configured gain.

Identifier	Headline
CSCvx03815	Cisco Catalyst 9120AX AP+SIA-DART: Initial configuration for slot 0 show configured gain value as 0.
CSCvy16422	Cisco Catalyst 9115 and 9120 APs are crashing: WL_REINIT_RC_MQ_ERROR.
CSCvy92773	Cisco Catalyst 9117 AP: Crash is observed on Slot 1.
CSCvz16102	Cisco Catalyst 9105i OEAP is crashing due to kernel panic.
CSCvz16109	Cisco Catalyst 9105w Office Extend Access Points (OEAP) is crashing due to kernel panic.
CSCvz18045	Cisco Catalyst 9130 AP: Probe suppression for Macro-Micro cell client steering is not supported.
CSCvz59428	Unclear reason for radio reset due to role change sent from controller to Cisco DNA Center.
CSCvz78407	Tx power mismatch on RAP & MAP even though same power is set on RAP & MAP.
CSCvz99564	Cisco APs are not assigned up with IPv6 addresses after upgrade from 17.6.1 to 17.6.2 or 17.7.1.
CSCwa11312	Cisco Catalyst 9124E AP: Max transmit power is being capped for some domains resulting in 3 to 4dB less power.
CSCwa38528	Cisco Catalyst 9105w OEAP: CAPWAP DTLS session is closed for AP due to DTLS server session shutdown.
CSCwa90838	Firmware crash is observed on Radio 1 on the Cisco Catalyst 9130 AP in FlexConnect mode.
CSCwa96037	Cisco Catalyst 9120 AP: Radio crash is observed on Slot 0.
CSCwb38948	Cisco Catalyst 9124 AP: MAPs are no longer able to join RAP due to security failures.
CSCwb84844	Cisco Catalyst OEAP 9105w CAPWAP DTLS session closed for AP, due to DTLS shutdown.
CSCwc10696	Regular ASR support field is disabled for supporting clients.
CSCwc95496	Cisco Catalyst 9130 AP: Radio crash is observed.
CSCwd06001	Linux iosd crash on standby controller during reload of the Cisco Catalyst 9800-L Wireless Controller.
CSCwd78616	Cisco Catalyst AP9115 Tx power high and abnormal Dynamic Channel Assignment (DCA) channel assignment due to no neighbors.
CSCwd79502	Controller is tracking stale entry due to anchored client getting IPv4 and IPv6 in different VLANs.
CSCwd90742	Cisco Catalyst 9120AX AP kernel crash - PC is at rhb_del_interface+0xc.

Identifier	Headline
CSCwd93773	Controller should not enable second 5-Ghz radio for 9124E with PoE+ (30W).
CSCwd96333	Cisco Wave 1 AP is crashing on CAPWAP restart from the controller.
CSCwe11747	Cisco Catalyst 9130AX APs are decoding Extensible Authentication Protocol (EAP) request ID incorrectly.
CSCwe17593	Cisco Catalyst 9115 AP in workgroup bridge (WGB) stops sending traffic to the root AP after about 60 seconds from its initial connection.
CSCwe18846	6-Ghz RRM channel change is observed due to sudden spike in noise.
CSCwe30473	Radio firmware reloads unexpectedly due to a frozen RC queue.
CSCwe31030	Cisco Catalyst 9105AXW APs are crashing.
CSCwe32005	Cisco Catalyst 9130 AP: Packet loss is observed on Digital Signage device.
CSCwe38243	Cisco DNA Centre: Tx power change is not getting applied on controller and AP.
CSCwe43294	Cisco Catalyst 9105AXW AP and Cisco Aironet 1815W Flex RLAN AP does not apply VLAN in the ethernet port after AAA vlan override.
CSCwe44991	Cisco Catalyst 9105AX AP: Kernel panic crash is observed.
CSCwe45300	Cisco Catalyst 9120 AP: Sending Msg:2 in mode:2 to hostapd failed.
CSCwe45894	Cisco AP is not forwarding IGMPv3 query to wireless clients.
CSCwe45970	Cisco Catalyst 9105 AP is stuck in U-BOOT.
CSCwe50033	Cisco Catalyst 9120AX AP: Clients are continuously disconnecting if more than 10 clients are using MS TEAMS.
CSCwe53573	Cisco Aironet 1815W AP: Kernel panic with radio stats crash.
CSCwe55494	Cisco Aironet 1832 AP is not sending packets to radio.

Open Caveats for Cisco IOS XE Amsterdam 17.3.7

Identifier	Headline
CSCvg70549	Error propagation from wncd back to manageability agent through wncmgrd.
CSCvy89508	The primary member displays "standby hot" even though the standby is in recovery mode.
CSCwd96484	Controller is reloading unexpectedly generating "wncd" core files.
CSCwe38431	Controller is remarking SIP packets from CS3 to CS0 in upstream/downstream when voice cac is configured.

Identifier	Headline
CSCvu29470	Cisco Catalyst 9130 Series APs are not updated as monitor in Current-Band in the show ap fra command.
CSCvu49203	The show ap fra command output on the controller is not aligned properly.
CSCvu49930	Channel change to 165 and channel width change to 20 fails via OC when the AP is configured with channel width 40.
CSCvu75020	The FRA timer does not work on the show ap fra command.
CSCvv38005	Logging message not seen when the noise threshold is moved to passed or failed for XOR radio (5-Ghz).
CSCvz82490	WPA3-Suite B: Incorrect APUT response to STA incorrect TLS authentication parameters.
CSCwc51857	Controller GUI displays 802.1x with a lowercase 'x' instead of 802.1X with a capital 'X'.
CSCwc62824	Controller does not send LLC or XID spoofed frames after a mobility event.
CSCwc86955	Dual DFS stats on AP do not match controller information.
CSCwd22364	Unexpected error messages flooding in RA logs for successful client joins.
CSCwd73783	Cisco Catalyst 9800-L Series Controller: Observed qfp-ucode-wlc crash.
CSCwe22625	Controller GUI goes blank after logging in if username has '&'.
CSCwe25610	Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_REMOTE_MOBILITY_DELETE - Mobility Local.
CSCwe31270	Clients stop passing traffic when there is a missing bandwidth limit AAA attribute on the controller.
CSCwe39039	Traceback is seen after provisioning controller from Cisco DNA Centre.
CSCvw51315	Cisco Catalyst 9120 AP: Kernel panic is seen on AP when client is disconnected and connected back with Target Wake Time (TWT) session.
CSCvw59760	ECDHE ciphers are not listed when WLAN Common Criteria (WLAN CC) is enabled.
CSCvw64170	After changing channel and bandwidth of AP (with SIA), antenna shows incorrect legal/configured gain.
CSCvx03815	Cisco Catalyst 9120AX AP+SIA-DART: Initial configuration for slot 0 show configured gain value as 0.
CSCvy16422	Cisco Catalyst 9115 and 9120 APs are crashing: WL_REINIT_RC_MQ_ERROR.
CSCvy92773	Cisco Catalyst 9117 AP: Crash is observed on Slot 1.
CSCvz16102	Cisco Catalyst 9105i OEAP is crashing due to kernel panic.

Identifier	Headline
CSCvz16109	Cisco Catalyst 9105w Office Extend Access Points (OEAP) is crashing due to kernel panic.
CSCvz18045	Cisco Catalyst 9130 AP: Probe suppression for Macro-Micro cell client steering is not supported.
CSCvz59428	Unclear reason for radio reset due to role change sent from controller to Cisco DNA Center.
CSCvz78407	Tx power mismatch on RAP & MAP even though same power is set on RAP & MAP.
CSCvz99564	Cisco APs are not assigned up with IPv6 addresses after upgrade from 17.6.1 to 17.6.2 or 17.7.1.
CSCwa11312	Cisco Catalyst 9124E AP: Max transmit power is being capped for some domains resulting in 3 to 4dB less power.
CSCwa13091	Tx power changes are not getting applied to the AP.
CSCwa38528	Cisco Catalyst 9105w OEAP: CAPWAP DTLS session is closed for AP due to DTLS server session shutdown.
CSCwa90838	Firmware crash is observed on Radio 1 on the Cisco Catalyst 9130 AP in FlexConnect mode.
CSCwa96037	Cisco Catalyst 9120 AP: Radio crash is observed on Slot 0.
CSCwb38948	Cisco Catalyst 9124 AP: MAPs are no longer able to join RAP due to security failures.
CSCwb84844	Cisco Catalyst OEAP 9105w CAPWAP DTLS session closed for AP, due to DTLS shutdown.
CSCwc10696	Regular ASR support field is disabled for supporting clients.
CSCwc95496	Cisco Catalyst 9130 AP: Radio crash is observed.
CSCwd06001	Linux iosd crash on standby controller during reload of the Cisco Catalyst 9800-L Wireless Controller.
CSCwd78616	Cisco Catalyst AP9115 Tx power high and abnormal Dynamic Channel Assignment (DCA) channel assignment due to no neighbors.
CSCwd79502	Controller is tracking stale entry due to anchored client getting IPv4 and IPv6 in different VLANs.
CSCwd90742	Cisco Catalyst 9120AX AP kernel crash - PC is at rhb_del_interface+0xc.
CSCwd93773	Controller should not enable second 5-Ghz radio for 9124E with PoE+ (30W).
CSCwd96333	Cisco Wave 1 AP is crashing on CAPWAP restart from the controller.
CSCwe11747	Cisco Catalyst 9130AX APs are decoding Extensible Authentication Protocol (EAP) request ID incorrectly.

Identifier	Headline
CSCwe17593	Cisco Catalyst 9115 AP in workgroup bridge (WGB) stops sending traffic to the root AP after about 60 seconds from its initial connection.
CSCwe18846	6-Ghz RRM channel change is observed due to sudden spike in noise.
CSCwe22861	Observing AID leak in Cisco Wave 2 APs in FlexConnect mode.
CSCwe30473	Radio firmware reloads unexpectedly due to a frozen RC queue.
CSCwe31030	Cisco Catalyst 9105AXW APs are crashing.
CSCwe32005	Cisco Catalyst 9130 AP: Packet loss is observed on Digital Signage device.
CSCwe38243	Cisco DNA Centre: Tx power change is not getting applied on controller and AP.
CSCwe43294	Cisco Catalyst 9105AXW AP and Cisco Aironet 1815W Flex RLAN AP does not apply VLAN in the ethernet port after AAA vlan override.
CSCwe44216	Cisco AP reloads unexpectedly due to kernel panic.
CSCwe44991	Cisco Catalyst 9105AX AP: Kernel panic crash is observed.
CSCwe45300	Cisco Catalyst 9120 AP: Sending Msg:2 in mode:2 to hostapd failed.
CSCwe45894	Cisco AP is not forwarding IGMPv3 query to wireless clients.
CSCwe45970	Cisco Catalyst 9105 AP is stuck in U-BOOT.
CSCwe50033	Cisco Catalyst 9120AX AP: Clients are continuously disconnecting if more than 10 clients are using MS TEAMS.
CSCwe53573	Cisco Aironet 1815W AP: Kernel panic with radio stats crash.
CSCwe54482	Cisco Catalyst 9120 AP is dropping DHCP offer in click. Not forwarding to wireless interface.
CSCwe55494	Cisco Aironet 1832 AP is not sending packets to radio.

Open Caveats for Cisco IOS XE Amsterdam 17.3.6

Caveat ID	Description
CSCvv25522	Cisco Catalyst 9120 AP + SIA Antenna: The power table changes need to be modified for 4 dB value.
CSCvz59428	The reason for radio reset is unclear due to the role change sent from the controller to Cisco DN
CSCwa68709	Cisco Catalyst 9115 AP reports Dynamic Frequency Selection (DFS) in channels incorrectly: "cleared".
CSCwa75050	Factory reset using a physical button does not work always.
CSCwa88940	Unexpected reload occurs in Cisco Catalyst 9105, 9115, or 9120 APs when Target Wake Time

Caveat ID	Description
CSCwc02477	Cisco Catalyst 9130 AP does not transmit EAP identity request.
CSCwc62749	Cisco Catalyst 9100 AP does not try to resolve the PnP network time protocol (NTP) public
CSCvv83264	Cisco Catalyst 9120AX AP detects correctable ECC error while booting up.
CSCvw28085	Access Point show logging is flooded with "syslog: parse_tx_bcn: Bcn payload is NULL" s
CSCvz90902	Cisco Catalyst 9130 AP: Probe suppression for Macro-Micro cell client steering does not w
CSCwb08291	Cisco Catalyst 9105AXW AP introduces latency when clients use RLAN ports.
CSCwb41815	AP does not copy the DHCP ACK packets to the controller after cts manual is enabled in t
CSCwc15898	CleanAir data is missing for 2.4-GHz in some of the Cisco Catalyst 9120 or 9130 APs.
CSCwc30521	Workgroup bridge (WGB) breaks in Pre-Shared Key (PSK) with key length of 63.
CSCwc38912	LWA client is deleted immediately when joining Flex WLAN after a Site or Policy Tag cha
CSCwc64201	Cisco Catalyst 9105 AP as WGB fails to forward packets OTA, producing gaps in the comr
CSCwc67150	Dynamic Channel Assignment (DCA) triggering multiple channel changes in 2.4-GHz in cl
CSCwc72194	Client connectivity suffers in Cisco Catalyst 9120 AP due to radio core dump.
CSCwc73462	Backslash "\" at the end of the RADIUS servers' shared secret is not allowed for FlexConne
CSCwc81467	RHL reset is observed in Cisco Catalyst 9120 AP.
CSCvg70549	Error propogates from WNCD back to manageability agent through WNCMGRD.
CSCwa44734	WNCD crash is observed at wsa_clt_evt_cache_update during the client join process with C testing.
CSCwc68682	Cisco Catalyst 9800 Wireless Controller - Link down due to local fault.
CSCvu49930	Channel change to 165 width 20 fails with the OC model, when an AP is configured with cl
CSCvy85037	Cisco Catalyst 9800-CL controller logs spectrum process tracebacks.
CSCwa93208	FlexConnect WLAN VLAN mapping disappears when VLAN name is defined in the FlexF
CSCwc26819	Controller does not send LLC or XID spoofed frames after a mobility event.
CSCwc36125	RRM startup mode gets triggered in every reboot as the controller does not keep track of th
CSCwc51857	The controller GUI displays 802.1x with a lowercase 'x' instead of 802.1X, with a capital 'X'
CSCwc62824	Controller does not send LLC or XID spoofed frames after a mobility event.
CSCwc72047	APs operate in disabled RF profile channels in Cisco IOS XE 17.6.2.
CSCwc76905	SISF crash is observed when handling DHCP messages.

Caveat ID	Description
CSCwc77604	AP does not join the controller due to CAPWAP data tunnel plumb failure.

Open Caveats for Cisco IOS XE Amsterdam 17.3.5a

Caveat ID	Description
CSCvt99760	Crash occurs when Btrace modules exceed the initial maximjm number of registrations.
CSCwa37701	The controller standby chassis shows Cisco Unknown Power Supply and the same serial number in the command output.
CSCwa25291	Configures the APs workflow to Resume or Cancel errors.
CSCvz96924	Cisco Catalyst 9130 series AP does not send M1 over the air.
CSCwa14744	Cisco Catalyst 9130 Series AP crash - PC is at __qdf_bug+0x0/0x8 osif_delete_vap_wait_and_
CSCwa31596	Cisco Catalyst 9130 Series high channel utilization and client lags with 9 or more clients using
CSCwa33917	Cisco Catalyst 9130AXI AP changes the Domain Name System (DNS) information from the DHCP Configuration Protocol (DHCP) offer packet.
CSCwa52440	Cisco Catalyst 9117 Series APs crashes due radio failure (radio recovery failed) Beacons stuck
CSCwa54223	Incorrect campus maps information on CMX 10.6.2-89.
CSCwa64749	Cisco Catalyst 9130 Series AP driver declines authorization request causing 11w client join iss
CSCwa65318	Tx power for Microcell created by AP for slot 2 of Cisco Catalyst 9130 Series AP.
CSCwa71189	Cisco Catalyst 9130 Series AP crashes on CAPWAP after joining with the controller.
CSCwa75901	Cisco Catalyst 9117 Series AP Beacon Struck - crash due to radio failure (radio recovery failed)

Open Caveats for Cisco IOS XE Amsterdam 17.3.4c

Caveat ID	Description
CSCvy37945	Cisco Catalyst 9130AX Series Access Point reboots continuously.
CSCvv74550	Memory leak in Session Manager Daemon (sessmgrd) during WebAuth configuration.
CSCvy03953	Cisco Catalyst 9130AX Series Access Points experiences crash kernel panic error.
CSCvy28620	Cisco Catalyst 9120AX Series Access Points in FlexConnect local-switching central auth, send TKIP M5 packets.
CSCvy37953	Cisco Wave 2 APs unable to establish DTLS connection with the controller until it is rebooted.
CSCvy51818	Cisco Catalyst 9115 Series Access Point randomly crashes due to kernel panic error.
CSCvy52874	Cisco Catalyst 9115 Series Access Point crashed after loading the 17.3.3 ES6 image.

Caveat ID	Description
CSCvy66944	Cisco Catalyst 9120AX Series Access Point does not forward downstream packets to the de
CSCvy67650	Cisco Catalyst 9800 Series Wireless Controllers does not reply to TCP packets punted to CPU size >200 in global param-map .

Open Caveats for Cisco IOS XE Amsterdam 17.3.4

Caveat ID	Description
CSCvy37945	Cisco Catalyst 9130AX Series Access Point reboots continuously.
CSCvv74550	Memory leak in Session Manager Daemon (sessmgrd) during WebAuth configuration.
CSCvy03953	Cisco Catalyst 9130AX Series Access Points experiences crash kernel panic error.
CSCvy28620	Cisco Catalyst 9120AX Series Access Points in FlexConnect local-switching central auth, s TKIP M5 packets.
CSCvy37953	Cisco Wave 2 APs unable to establish DTLS connection with the controller until it is rebo
CSCvy51818	Cisco Catalyst 9115 Series Access Point randomly crashes due to kernel panic error.
CSCvy52874	Cisco Catalyst 9115 Series Access Point crashed after loading the 17.3.3 ES6 image.
CSCvy66944	Cisco Catalyst 9120AX Series Access Point does not forward downstream packets to the de
CSCvy67650	Cisco Catalyst 9800 Series Wireless Controllers does not reply to TCP packets punted to CPU size >200 in global param-map .

Open Caveats for Cisco IOS XE Amsterdam 17.3.3

Caveat ID	Description
CSCvx17425	DFS detection optimization to avoid false DFS detection in Cisco Catalyst 9115 Series APs
CSCvx19602	Cisco Catalyst 9120 Series AP beacon stuck after moving from channel UNII 1 to UNII 2.

Open Caveats for Cisco IOS XE Amsterdam 17.3.2a

Caveat ID	Description
CSCvu66043	Cisco Aironet 9130 APs are not sending DHCP messages over the air.
CSCvv93995	Cisco Catalyst 9115 Series Wi-Fi 6 Access Point: Clients are unable to connect due to
CSCvv99213	Cisco Catalyst 9130AXE Series Access Points are not taking RF tag power settings on
CSCvw01612	Cisco Catalyst 9130AX Series Access Points are not sending M1 over the air.
CSCvw10308	Cisco Catalyst 9130AX Series Access Point is dropping packets and the AP is not able

Caveat ID	Description
CSCvv97156	Cisco Catalyst 9130AX Series Access Points are dropping some uplink packets from mac
CSCvw13174	AP location string is truncated during join.
CSCvw15298	Cisco Embedded Wireless Controller for an AP is not forwarding downstream traffic after
CSCvu82365	The licensing data of Cisco Embedded Wireless Controller is not replicated to all the AP

Open Caveats for Cisco IOS XE Amsterdam 17.3.1

Caveat ID	Description
CSCvr96755	Support for three-step install upgrade with ap image predownload is required.
CSCvs62309	Device is crashing while executing the copy flash:< >.cfg running-config command.
CSCvt35141	Disallow Webauth WLANs from being tagged to authentication servers with load-balancing en
CSCvu17521	Interface speed for the AP is showing as <i>None</i> in Cisco Prime Infrastructure.
CSCvu22410	The dot11n and dot11ac are disabled and configuration is saved. When the controller reloads, th
CSCvu40188	Configuration slot 0 output is updating wrong values for XOR radio when mapped to the custo
CSCvu40529	Radio objects are missing from the RRMradSlot table if AP tag is in mis-configured state.
CSCvu41319	Cisco Aironet 1570 APs are not allowing clients to connect in 5 GHz.
CSCvu53070	AP kernel panic crash (PC is at vfp_reload_hw).
CSCvu58082	Cisco Aironet 3800 AP with data DTLS encryption disconnects from the controller due to CAP rx PMTU discovery.
CSCvu65440	CAPWAP multi-window support: AP disconnects post switchover when AP image predownload
CSCvu69426	Auto-contain doesn't resume after rogue-client is removed.
CSCvu70630	Rogue rule created is overridden with latest priority.
CSCvu73873	Cisco Catalyst 9800-80 Controller is sending client traffic out of the AP manager interface.
CSCvu76954	Client is connected through dot11n or dot11n even when dot11 options are disabled.
CSCvu89996	AP disjoins after client connects to SSID using LDAP with secure mode.
CSCvu91948	The show command for AP tri-radio Feature is not available in Cisco Embedded Wireless Cont Access Points.
CSCvu92134	Cisco Aironet 2800 AP: Wpa2-psk-aes WLAN client is getting disturbed when AP moves from
CSCvu95179	Spectrum intelligence interference detected by AP is not seen on the controller.
CSCvv01407	Small VM install of controller loses its management trustpoint after every reboot.

Caveat ID	Description
CSCvv02099	AP is not rejecting incorrect Fast Transition Auth request.
CSCvv02121	AP is not sending reassociation response.
CSCvv02670	Controller is showing incorrect AP cisco discovery protocol (CDP) information.
CSCvv03370	Cisco Embedded Wireless Controller on Catalyst Access Points: AP image predownload status for the APs.
CSCvv03668	Cisco Aironet 3800h AP: Jitter issue with MS-Teams application.
CSCvv04072	Cisco Catalyst 9105 AP: LED is turned off by default.
CSCvv04911	Last switchover reason is shown as <i>active unit removed</i> during ISSU upgrade.
CSCvv09143	Private Pre-Shared-Key (PSK) Pairwise Master Key (PMK) is retained resulting in client deletion with scaled PPSK join.
CSCvv14121	Cisco DNA-Centre: When AP fails to pre-download image; further attempts to pre-download

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.8a

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

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.8

This release comprises only PSIRT fixes. There are no resolved caveats.

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.7

Identifier	Headline
CSCvx72883	Controller does not remove 802.1X clients after session-timeout.
CSCvy69496	Remote address attribute missing when accessing controller through GUI using TACACS+ credentials.
CSCwa21431	Controller unexpectedly reloads on DMI authentication task with guestshell enabled.
CSCwc05366	Wireless AAA dynamic VLAN assignment: The wireless clients cannot reach each other.
CSCwc15944	Multicast data not sent to clients; some APs may be unable to join the controller.
CSCwc54410	Controller HA dual active scenario is observed when standby controller is reconnecting to HA pair.

Identifier	Headline
CSCwc57227	Controller experiences an unexpected reset resulting in a system report containing a wncd core file.
CSCwc68682	Link connecting the controllers goes down due to local fault.
CSCwc89183	Controller crash is observed on libewlc_client_dpath_svc.so.
CSCwc93198	Cisco Catalyst 9800-L Wireless Controller does not receive HWDIB down message when RP port goes down in HA, preventing WMI from sending GARP.
CSCwd04571	Memory leak is observed in wncd process when under load.
CSCwd06122	AP Join issues due to stale client entries.
CSCwd08165	Controller is accounting wrong class attribute in accounting packets.
CSCwd08678	Clients not deleted by the controller after session-timeout ("Timer not running" state).
CSCwd12120	Inject path crash is observed on controller switch on IPv6_qos.
CSCwd16409	User-agent details needs to be truncated to string length 234 in WSA to prevent vstring corruption.
CSCwd30578	Wired guest client are stuck at IP_LEARN with DHCP packets not forwarded out of the foreign to anchor.
CSCwd35577	Double bit ECC error causes the standby controller to reload.
CSCwd41108	Multiple Cisco Catalyst 9130AXE APs with DART connectors stuck at channel 36.
CSCwd46721	Controller stays in the IP_THEFT state indefinitely due to stale client entries in the ODM database.
CSCwd47741	Controller fails to update DCA channels as RRM is stuck.
CSCwd56621	Controller GUI logging buffer size display is incorrect.
CSCwd59423	Unexpected reload on the controller caused by WNCd process after removing a VLAN from a VLAN-GROUP.
CSCwd63861	SIGSEGV crash is observed when incrementing roaming statistics.
CSCwd69780	Controller crashes due to NetFlow watchdog. Observed CPU hog in the wncmgrd process due to NetFlow scale.
CSCwd90472	Adding static IP MAC binding to device tracking fails.
CSCwe14729	Controller reloads due to memory corruption when processing DHCP Reply Option82.
CSCwe18012	Standby controller crashes while saving tbl QoS table.
CSCvz94649	Controller sends new Access-Requests using previous packet id.

Identifier	Headline
CSCwc76905	Switch Integrated Security Features (SISF) crash is observed when handling the DHCP messages.
CSCwd00711	WPA3 and OWE transition enabled: Non-WPA3 clients get network access in "webauth-pending" state.
CSCwd04025	PI 3.10.1: Associated APs with controller displays interface mode type as "Half duplex".
CSCwd06018	802.11r re-auth failed due to invalid Pairwise Master Key ID (PMKID) while doing inter-WNCD roaming.
CSCwd12754	CAPWAP wireless traffic is getting the same Security Group Tag (SGT) as the corresponding incoming wired traffic.
CSCwd23681	Controller fails to update AP configuration with error <pre>% Error: no ap_name exists</pre>
CSCwd32107	Cisco Aironet 2700 AP: Ignore CAPWAP_PAYLOAD: AP_LAN_CONFIG payload having invalid RLAN port enable value.
CSCwd34890	Clients are getting deauth immediately after getting IP address in LWA+LocalSW+CentralAuth.
CSCwd34908	Controller does not follow the DCA sensitivity threshold.
CSCwd46770	License: Remove reporting interval (fixed 8 hours) and change Sync report to a user action.
CSCwd52938	Wired clients behind WGB do not get IP addresses for anchor WLAN.
CSCwd56391	Controller does not provide RSSI location data for some of the RFID tags in the database.
CSCwd90380	Access point page shows Power Mode as unknown power.
CSCwd95618	The device-tracking binding reachable-lifetime command does not work.
CSCwd98332	Controller crashes after failing to match the interface ID in the anchor message.
CSCwe11547	Crash is seen on "Critical process rrm fault on rp_0_0 (rc=139)".
CSCwe12057	Controller QoS page does not load when ACL has double quotes as special character in the name.
CSCwd37092	Cisco Aironet 2800, 3800, 4800, 1562, and 6300 series APs: Slow TCP downloads, failing EAP-TLS.
CSCwd40731	AP reloads due to kernel panic.
CSCvx32806	Cisco Wave 2 APs stuck in bootloop due to image checksum verification failure.

Identifier	Headline
CSCwa68709	Cisco Catalyst 9115 AP reports DFS on channels incorrectly: "Blocked list due to be cleared".
CSCwb34231	Cisco Catalyst 9115 AP: Power saving client state on radio.
CSCwb59227	Cisco Catalyst 9105w AP is crashing due to kernel panic.
CSCwb82694	Cisco Catalyst 9105/9115/9120 series APs are unable to handle out of order packets.
CSCwc02477	Cisco Catalyst 9130 AP does not transmit EAP identity request.
CSCwc32182	Radio firmware crashes in Cisco Aironet 1850 Series Access Points.
CSCwc55632	Cisco Catalyst 9124 MAP fails to connect to Cisco Aironet 1562 RAP after first reload of MAP.
CSCwc67729	Cisco Aironet 1840 OEAP crashed due to radio failure.
CSCwc72194	Cisco Catalyst 9120 AP: Radio core dump.
CSCwc75732	Cisco Aironet 4800 AP: Firmware radio crash is observed.
CSCwc78435	Cisco Catalyst 9130 AP sends incorrect channel list on the "out of band" DFS event, causing client connectivity issues.
CSCwc94898	AP WGB stuck in EAPOL state.
CSCwd00751	Cisco Aironet 2802 AP reloads unexpectedly.
CSCwd03803	Cisco Aironet 1815 APs reboot - PC is at edma_poll or LR is at dma_cache_maint_page.
CSCwd08259	Cisco Catalyst 9120, 9115, and 9105 Access Points experience radio firmware crash with Cisco IOS-XE 17.3 or later releases.
CSCwd10570	Cisco Catalyst 9130 Access Point displays different beacon data-rates for different Basic Service Set Identifiers (BSSIDs).
CSCwd39605	Cisco Catalyst 9117 AP reloads unexpectedly due to kernel panic at console_unlock+0x320/0x3ac.
CSCwd46815	EAP-TLS is failing for the wired clients behind MAP for Cisco 2800, 3800, 4800, 1562, 6300 series APs.
CSCwd47384	Cisco Catalyst 9130 AP: Radio 1 is crashing.
CSCwd52745	Cisco Aironet 3802 AP: Kernel crash is observed.
CSCwd55757	Wave 2 APs reloads unexpectedly due to "Systemd critical process crash - dnsmasq-host.service failed" error.
CSCwd58182	Cisco Aironet 3800 series AP reloads unexpectedly due to kernel panic.
CSCwd60034	Cisco Aironet 3800 AP: Radio reloads unexpectedly due to a stuck beacon.

Identifier	Headline
CSCwd77823	Cisco Catalyst 9130 AP radio firmware reloads unexpectedly.
CSCwd79178	Cisco Aironet 1840 OEAP crashes due to radio failure.
CSCwd81523	Cisco Catalyst 9130 AP is not sending EAP_ID_RESP next assoc-req after PMF client tx death in middle of EAP handshake.
CSCwd90909	Cisco Catalyst 9115 AP radio 1 crashes.
CSCwd91054	Cisco Wave 2 APs do not encrypt EAP_ID_REQ after M1-M4, and does not update PMKID for dot1x OKC.
CSCwe04602	Cisco Wave 2 APs fail to forward traffic to wireless client for about 60 seconds in SDA Fabric WLANs.
CSCwe07802	Cisco APs such as 2800, 3800, 4800, and 1562 are dropping upstream EAP packets.
CSCwe35906	Cisco Catalyst 9117 AP: Radio firmware crash is observed.
CSCvv96364	Cisco Aironet 3800 Access Points experience WCPd crash when running 17.3.1 image.
CSCvw20363	Cisco Aironet 2800 and 3800 APs: WGB fails to connect via PEAP if client certificate is not installed.
CSCvx80422	AP drops packets addressed to 10.128.128.127 or 10.128.128.128.
CSCwa48702	Kernel panic crash in Cisco Catalyst 9130AX Series APs.
CSCwa93884	Cisco iOX app installation fails during app activation phase with the following error: "Error while creating app start up script".
CSCwb08291	Cisco Catalyst 9105AXW AP is introducing latency when clients are using RLAN ports.
CSCwb23886	Cisco Aironet 1810W AP: RLAN DHCP issues with certain client models.
CSCwb34465	Log enhancements for off-channel timeout issues.
CSCwb41815	AP is not copying DHCP ACK packets to the controller after enable "cts manual" on the switch.
CSCwb51757	High channel utilization on 5-GHz radio with 40Mhz.
CSCwb73345	Error flooding on Cisco Catalyst 9120 AP console: RHL: Off-channel done received but there are no pending requests.
CSCwb96560	AppHost: App install fails when USB state is disabled in the AP Join profile.
CSCwe15898	Cisco Catalyst 9120 and 9130 APs: Missing CleanAir data for 2.4GHz.
CSCwe31331	Cisco Catalyst 9130 AP unexpectedly reload in run_timer_softirq.
CSCwe38912	Changing an Access Point site or policy tag to a Flex local switching set intermittently causes client connectivity failure to local web auth WLANs.

Identifier	Headline
CSCwc73462	For FlexConnect group configuration, do not use backslash (\) at the end of the radius servers shared secret.
CSCwc87688	Cisco Catalyst 9120 AP shows very high noise level on 5-GHz radio.
CSCwc88148	Enhancements for MAC suspend issue on driver side.
CSCwc89719	Cisco Aironet 1832 AP reloads unexpectedly due to radio recovery failure.
CSCwd05593	Cisco Catalyst 9120 AP: TX is stuck due to data block PS and AP radio crash.
CSCwd19631	Cisco Catalyst 9120 AP cannot operate in Multigigabit Ethernet (mGig) when Energy Efficient Ethernet (EEE) is enabled on switchport.
CSCwd21996	Cisco Catalyst 9120 AP: CleanAir sensor reloads unexpectedly.
CSCwd36552	Cisco Catalyst 9120 AP reloads unexpectedly due to kernel panic.
CSCwd38925	Cisco Catalyst 9105 AP reloads unexpectedly multiple times.
CSCwd49166	Cisco Aironet 3800 AP consistently reports high QBSS load.
CSCwd59921	Cisco Catalyst 9130 AP is dropping EAP-TLS frames.
CSCwd60376	Cisco Catalyst 9120 AP: Kernel panic is observed.
CSCwd72847	Cisco Catalyst 9115 APs intermittently stop transmitting multicast traffic downstream.
CSCwd74571	Wcpd crashes after reusing freed packets.
CSCwd83840	Cisco Aironet 1830 AP: Wireless clients are unable to connect - "writing to fd 27 failed!".
CSCwe07297	Cisco Catalyst 9120 AP reloads unexpectedly due to radio firmware crash.
CSCwe11476	Cisco Catalyst 9130 AP: Kernel panic with filp_close and do_close values.
CSCwe18185	Day 0 factory image for a new out-of-the-box Cisco Catalyst 9130 AP (VID 03) does not contain <code>iox.tar.gz</code> .
CSCwe19017	Remove unnecessary sercomm root certificates from Cisco Wave 2 APs.
CSCwe19858	Cisco Catalyst 9130 APs advertise incorrect Local Power Constraint value in management frames.

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.6

Caveat ID	Description
CSCwa38847	Upgrade from the CCO profile fails when a guest account is used.
CSCwa31596	Cisco Catalyst 9130AX AP experiences high channel utilization and client lags with 9 or more Teams.

Caveat ID	Description
CSCwa42620	Cisco Catalyst 9130 AP drops packets On-Air for Phoenix WinNonlin application.
CSCwa54943	Cisco Wave 2 APs with RLAN port connected to device running LLDP reboots due to Out-
CSCwa75901	Cisco Catalyst 9117 beacon stuck reloads unexpectedly due to radio failure (radio recovery
CSCwa81190	Cisco Catalyst 9120 AP crashes with null pointer dereference in <code>wlc_wnm_is_wnmsleepin</code>
CSCwa86015	Cisco Catalyst 9120 AP experiences kernel panic crash.
CSCwa88621	Cisco Catalyst 9120AXI AP: CAPWAPD service failed.
CSCwa90871	Cisco Catalyst 9120 AP running Cisco IOS-XE 17.7.1.11 experiences software crash during
CSCwa96198	Central Web Authentication (CWA) clients with RUN state cannot go online even though it
CSCwa96429	Cisco Wave 2 AP disconnects from the controller after a CTS switchport configuration.
CSCwa97033	Cisco Catalyst 9120 AP experiences Kernel crash while bringing up the slot1 radio.
CSCwb05556	Cisco Catalyst 9120 AP does not send multicast data till it snoops IGMPv2.
CSCwb07125	APs detect its own MAC addresses as rogue in slot1 or slot3 intermittently with an empty S
CSCwb08755	Cisco Catalyst 9130 and 9120 APs in FlexConnect mode does not send an SA query.
CSCwb09248	High latency and drops are observed when clients are associated to Cisco Catalyst 9130 AP
CSCwb09642	Cisco Catalyst 9130 AP reloads unexpectedly with "PC is at run_timer_softirq".
CSCwb11711	Cisco Catalyst 9120 and 9130 APs in FlexConnect mode sends an association request reject successful connection.
CSCwb19448	Cisco Catalyst 9117 AP reloads unexpectedly due to kernel panic.
CSCwb23976	Cisco Catalyst 9117 AP reloads unexpectedly due to kernel panic.
CSCwb30993	Cisco Catalyst 9117AXI-E AP reports kernel panic crash.
CSCwb34215	Cisco Catalyst 9115AXI-E AP crashes after upgrading to Cisco IOS-XE 17.3.5a.
CSCwb34231	Cisco Catalyst 9115 AP experiences power saving client state in radio.
CSCwb36531	Cisco Catalyst 9130 AP does not process fragmented Extensible Authentication Protocol (E when doing EAP-TLS.
CSCwb53348	Cisco Catalyst 9130 APs generate radio core dumps.
CSCwb62329	Cisco Catalyst 9120 AP does not send A-MPDUs for WPA1 AES clients in WPA1 and WP
CSCwb70757	Cisco Catalyst 9130 AP reloads unexpectedly due to kernel panic.
CSCwb94209	Cisco Catalyst 9115 AP: The Mode reset button does not clear the CC mode and console bl
CSCwb95980	Cisco Catalyst 9130 AP experiences kernal crash.

Caveat ID	Description
CSCwc06293	Cisco Catalyst 9120 AP stops beaconing.
CSCwc09461	Cisco Catalyst 9120 APs send authentication response frames to clients after long delays.
CSCwc20929	APP hosting segmentation does not work in Cisco Catalyst 9100 AP and Cisco Catalyst 9800 controller on IOS-XE 17.6.3.
CSCvv20610	Workgroup bridge (WGB) does not support pre-shared key (PSK) with 63 characters.
CSCvz66623	Clients with EAP-TLS behind the Mesh Access Point (MAP) fails.
CSCwa05828	Cisco Catalyst 9105 AP does not respond to the controller's Discovery Response. Error connecting to Security (TLS) context is displayed.
CSCwa33537	Cisco Catalyst 9117AX AP radio reloads unexpectedly due to partial command issues.
CSCwa36216	Cisco Catalyst 9120AXI AP sends weaker beacons than Cisco Aironet 2802I AP.
CSCwa53727	Cisco Catalyst 9117AX AP reloads unexpectedly.
CSCwb02488	Cisco Catalyst 9120 AP experiences Kernel crash when PC is at number.isra and LR is at vsnpr
CSCwb05569	Cisco Catalyst 9130 AP does not transmit beacons randomly.
CSCwb19680	Incorrect kernel assertion is observed while checking invalid timer objects.
CSCwb19993	Cisco Wave 2 AP loses configuration after an upgrade.
CSCwb45599	Cisco AP reloads unexpectedly with ppr_create_prealloc+0xbc.
CSCwb73294	Cisco Catalyst 9105 AP experiences low throughput with AX clients with adjacent channel interference on radio.
CSCwb76882	Cisco Catalyst 9130 AP detects its own BSSID as rogue in a 5-GHz channel.
CSCwb98247	Cisco AP reloads unexpectedly in "wlan_objmgr_peer_release_ref" running Cisco IOS-XE 17.3.6.
CSCwc05350	Cisco Wave 2 APs: CAPWAP MTU flapping occurs due to asymmetric MTU between AP to controller.
CSCwc07002	AP crash is observed due to kernel panic.
CSCwc35321	Cisco Wave 2 APs in local mode sends address resolution protocol (ARP) requests to wireless controller for 10.128.128.128 IP address.
CSCwc51428	Cisco Catalyst 9130 AP experiences kernel panic.
CSCwc51894	Cisco Catalyst 9117 AP reloads unexpectedly due to kernel panic.
CSCwc54470	The config boot crashkernel enable Cisco Wave 2 AP command does not generate kernel core files.
CSCwc60528	Assert crash is observed in Cisco Catalyst 9120 AP with MR8.
CSCwc71198	CAPWAP flapping is observed when VRRPv3 is present in the network.

Caveat ID	Description
CSCwb13784	APs are unable to join the controller due to invalid path MTU in the AP Join request.
CSCvu37120	Dataplane classification error is observed in WLCLIENT-IF interface.
CSCvx17641	Cisco Catalyst 9105 AP experiences WNCD traceback followed by WNCD crash.
CSCvx28901	The "% TDL error" is displayed while configuring clients under manual exclusion list in C
CSCvy30606	Cisco Catalyst 9800 Wireless Controller fails to update sdn-network-infra-iwan key after a
CSCvy53756	Pubd crash is observed with tdl_get_manifested_type_info_ptr_mem in 200 APs mesh conf
CSCvy63924	Telemetry: Cisco IOS-XE controller crashes after using show telemetry ietf subscription a
CSCvz82509	GUI does not load the AVC page from Configuration > Services > AVC .
CSCwa50929	Controller crashes within 10 minutes after starting the pure intra wnc roam at 600 clients pe
CSCwa67566	Controller rejects clients with wrong PMKID when changing AKM from FT to dot1x and F
CSCwa69631	Controller crashes during webauth AAA routines generating WNCD core.
CSCwa70649	Improve serviceability to figure out the reason for blacklisting 802.11w client.
CSCwa73294	The show commands, HTTPS, and SNMP stops working in Cisco Catalyst 9800-80 Wireless DBM process CPU stays high at 100%.
CSCwa76898	WLAN stopped broadcasting after a configuration change in the WLAN profile.
CSCwa77214	Controller crashes at ewlc_wlanmgr_wlan_ref_count_cleanup_timer_cb.
CSCwa78384	Segfault is seen when updating the 802.11 client parameters.
CSCwa82644	Controller displays incorrect available bandwidth calculations for QBSS_AAC with voice C
CSCwa88790	Controller crashes during mobility routines generating WNCD core.
CSCwa99904	Controller deletes the client when DHCP RELEASE is sent by the client during Posture.
CSCwb05014	Controller crashes in WNCD when changing the "mac ip binding" configuration.
CSCwb09214	Controller sends QBSS_AAC with zero available bandwidth after DEL TS.
CSCwb21141	Cisco Catalyst 9800 Wireless Controller related WLAN configuration is not pushed to APs
CSCwb24037	Client gets stuck in Authenticating state after failing the Broadcast key rotation process.
CSCwb35196	High CPU utilization is observed in WNCD due to continuous logs in ra_trace.
CSCwb37940	Clients randomly gets excluded in the Controller with the "CO_CLIENT_DELETE_REASON_EXCLUDE_VLAN_FAIL" reason.
CSCwb39307	AAA server does not mark as UP, even unreachable, and client does not authenticate throug

Caveat ID	Description
CSCwb42717	Cisco Catalyst 9800-80 Wireless Controller resets unexpectedly while freeing CAPWAP messa
CSCwb45089	The controller HTTPS access is broken after an upgrade to Cisco IOS-XE 17.3.5a.
CSCwb47046	WNCMGRD process memory leak is observed in Cisco IOS-XE 17.8.
CSCwb57391	Controller deletes clients after roaming with "CO_CLIENT_DELETE_REASON_IP_DOWN_
CSCwb65356	Controller reloads due to critical WNCD fault.
CSCwb69531	Controller initiates EAPOL retries for the client in the RUN state.
CSCwb73136	Clients in the RUN state are unable to pass traffic after Change of Authorization (CoA) is comp
CSCwb80500	Memory leak is observed in the WNCD process due to unknown responses from the RADIUS
CSCwc01644	Cisco Wave 2 APs use native VLAN instead of VLAN used in the Policy Profile.
CSCwc14629	GUI takes a long time to display the initial page due to http request wirelessDeviceSummary.
CSCwc22468	Client traffic fails when client roams between APs with a transition between dot11r and dot11i.
CSCwc32226	Zebra RF Gun clients are unable to get the IP address and gets stuck in IPLEARN STATE.
CSCwc34322	Controller deletes client due to DELETE_REASON_MOBILITY_FAILURE triggered by WEBAUTH_ON_MAB_FAILURE_ROAM.
CSCwc42784	Client fails to connect when protocol based Quality of Service (QoS) is configured.
CSCwc59518	Cisco Catalyst 9800-80 Wireless Controller crashes with a critical process WNCD fault.
CSCvy69694	AP network icon is missing in the 17.5.1 GUI for Privilege Level 1 users instead you get to vie
CSCwa52721	AP does not assign native VLAN when there is no vlan-id configured in the Policy Profile.
CSCwa56574	"Band Selection" does not change from 2.4-GHz to 5-GHz when performing the operation usin
CSCwa74884	Controller sends wrong payload information to AP when mesh RRM is enabled or disabled.
CSCwa77027	RADSEC counter always remain zero.
CSCwa82133	Controller crashes with "Critical process nmspd fault on rp_0_0 (rc=1)".
CSCwa94092	ARP Broadcast in GUI is shown as DISABLED for some VLANs even though it is enabled in
CSCwa95336	Static workgroup bridge (WGB) client does not move to RUN state in the controller.
CSCwa99102	The controller GUI does not display trustpoints in the PKI Management Trustpoints tab.
CSCwb05825	MAC authentication bypass (MAB) client does not move to exclude state during a MAB failure
CSCwb15031	Client is unable to pass traffic after roaming using WPA2 Opportunistic Key Caching (OKC).
CSCwb15884	Memory depletion and high WAN latency is observed in FlexConnect deployment.

Caveat ID	Description
CSCwb17280	Japanese GUI displays wrong Mesh information.
CSCwb22347	EWC - Image download profile special character support.
CSCwb22867	WNCD process crash is observed when applying Cisco ATF profiles.
CSCwb26543	Ethernet over GRE (EoGRE) client traffic stops working after an SSO.
CSCwb28057	Cisco Catalyst 9800-CL Cloud Wireless Controller crashes after updating the WLAN confi
CSCwb35761	Incorrect VLAN is assigned to initiate SIP when SIP and AAA override combination is use
CSCwb37457	Standby controller crashes when the controller is configured in RMI+RP High Availability feature.
CSCwb39675	AP XOR radio role mismatch between GUI and CLI.
CSCwb43261	Dropping the packets in Cisco Catalyst 9800-CL Cloud or Cisco Catalyst 9800-L Wireless snooping is enabled and call cannot be established.
CSCwb45549	Controller Web UI does not allow WPA-TKIP only configuration.
CSCwb47040	Controller does not update radio frequency identification (RFID) location properly.
CSCwb58100	Unable to map SSID with spaces in it on an attribute list.
CSCwb63861	WLAN clear refcount command does not accept WLAN names with special characters.
CSCwb64761	Controller discards the location updates from radio frequency identification (RFID) tags.
CSCwb67450	The show process cpu platform sorted command is required in show tech wireless .
CSCwb93513	Stale client entries are not deleted and stuck in device-tracking database.
CSCwb99793	CRL verification failure results in 400 Bad Request with DigiCert.
CSCwc41358	Controller MAC filtering: WLAN profile column displays the WLAN name and description

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.5a

Caveat ID	Description
CSCwa12204	Controller does not send the correct association ID (AID), causing APs to reject new client
CSCvz89976	The controller crashes due to 17.3.4 version to Work Group Bridge (WGB).
CSCwa23632	Cisco Catalyst 9800-80 Wireless Controller crashes on 17.3.4ES9 version.
CSCvx43471	OEAP authentication failure is observed on the controller running 17.3.3EFT4.
CSCvx64169	The request platform software trace archive command throws an error.

Caveat ID	Description
CSCvx71141	Cisco Catalyst 9800-80 Wireless Controller crashes due to a CPU hog in the Radio Resource M process.
CSCvx81815	Controller does not send server hello packets to AP when enabling the Data Datagram Transpo (DTLS) encryption.
CSCvy67650	Controller does not send TCP SYN or ACK for web redirect when banner size is greater than 2
CSCvy73244	Cisco Catalyst 9800-80 Wireless Controller: Application visibility configuration page does not policy profiles have the Cisco Application Visibility and Control (AVC) enable.
CSCvy75868	Cisco Wave 2 APs crash due to kernel panic.
CSCvy84153	Crash is observed in the controller when the AP location name is greater than 32 characters.
CSCvy89423	'WNCMGRD' process crashes due to segmentation fault in the controller.
CSCvy90646	Controller drops the incoming CAPWAP keepalive for random APs.
CSCvy99116	A crash is observed when a wireless client attempts to connect and the connection times out.
CSCvz08303	Controller reloads unexpectedly in the dBm process when DBAL batch stops executing.
CSCvz15015	Cisco Catalyst 9130AX AP loses its WLAN configuration after moving between controllers.
CSCvz28378	Memory leak observed in WNCd process running 17.3.3 of around 200MB per day.
CSCvz45305	Controller is missing fields in the access-request when sending it for a sleeping client.
CSCvz45488	Memory leak is observed in EWLC_OPERATIONAL_DB causing dbm crash.
CSCvz45576	Rogue telemetry updates need to be throttled as the controller sends lot of Rogue reports to Cisco I
CSCvz52986	Crash observed in C9800-80-K9 while the running 17.3.4 version.
CSCvz54928	Client gets stuck in IP learn due to stale entry.
CSCvz56650	Configuration changes in WLAN or policy profile causes Service Set Identifier (SSID) to stop
CSCvz59495	Accounting requests messages sent in a stream causes issues in the RADIUS server.
CSCvz60614	WNCd core seen on 17.3.3 CCO image with assert failures observed.
CSCvz64802	Controller reloaded due to a memory corruption in WNCd.
CSCvz67166	Controller drops CAPWAP connections due to high WNCd CPU.
CSCvz67806	Central DHCP configuration is not propagated on AP correctly.
CSCvz80697	Controller does not remove old NMSP entries when new probes are received in a different slot.
CSCvz81043	Controller crash after AP session closes.
CSCvz84691	Controller crashes due to WNCd process when learning an IP address for a client.

Caveat ID	Description
CSCwa16467	Controller needs cleanup of client entry authentication when client is in RUN state on any cont
CSCwa23606	Controller does not present full certificate in web admin.
CSCwa23949	Need to increase the install CLI timeout of the controller from 60 minutes to 120 minutes.
CSCwa32317	The Timezone configuration in the GUI does not work. The 'show clock' displays incorrect tim
CSCwa39002	AP channel width configuration from GUI is not taking effect but displays successful message.
CSCwa52109	Vendor OUI mismatch prints wrong message for disassociation request and denying client asso
CSCvz30883	Cisco Catalyst 9120 APs running 17.3.4ES2 gets stuck and does not acknowledge any of the re
CSCvw70285	Cisco Catalyst 9120 APs cannot send acknowledgement over the air during EAP negotiation.
CSCvy59897	Cisco Wave 2 APs detect its own BSSID as rogue.
CSCvy79320	Increased ping loss after two days of reboot.
CSCvz09846	Cisco Catalyst 9130 AP stale clients in the radio driver table causes associations to fail.
CSCvz09942	Cisco Catalyst 9120AXI AP displays kernel panic in Cisco IOS XE 17.3.4.30.
CSCvz24841	802.11r retried auth packet forwarded to the controller causes duplicate auth responses sent to c
CSCvz25183	Cisco Wave 2 AP's fragmenting CAPWAP discovery packets are unable to join the controller.
CSCvz49187	Cisco Catalyst 9120 Series AP sends packets with QoS TID when WMM is disabled on WLAN
CSCvz46237	Cisco Catalyst 9130 Series AP crashes on Cisco IOS XE 17.3.4 CCO version.
CSCvz55681	Cisco Catalyst 9120AXI-B APs crash when joining Cisco Catalyst 9800-CL wireless controller XE 17.6.1.
CSCvz66798	Cisco Catalyst 9120 Series AP in FlexConnect mode drops ARP request from the client to the g change (Local to Central).
CSCvz69441	Cisco Catalyst 9115 Series AP experiences crash due to kernel panic PC.
CSCvz89108	Cisco Catalyst 9120 Series AP - NDP received frames from neighbour AP with RSSI that is low RxSOP.
CSCvz94267	Cisco Catalyst 9130Series APs crash after upgrading to 17.3.4 and applying the ESW7 image.
CSCvz95929	PSM microcode watchdog fired (in seconds) with Cisco Catalyst 9120 Series APs.
CSCwa01142	Cisco Catalyst 9120 Series APs not responding to client association requests.
CSCwa06321	Cisco Catalyst 9120 Series APs - Change parameter under WLAN resets Cisco Catalyst 9120 S
CSCwa18545	Cisco Catalyst 9120 Series AP - PS PRETEND changes the client to Power Save mode even when to QoS Null sent by the AP.

Caveat ID	Description
CSCwa20219	Cisco Catalyst 9120 Series AP radio 1 gets stuck in TX.
CSCwa26257	Cisco Catalyst 9120 Series AP kernel crash.
CSCwa50159	Cisco Catalyst 9120 Series APs show high client count while the neighboring APs have very low client count.
CSCwa53266	Cisco Catalyst 9120 Series AP randomly retains 11w client though it is deleted from the controller.
CSCvu75017	Cisco Wave 2 APs and 11AX APs syslog only seen when using the "Kern" facility value in the configuration.
CSCvw93936	Cisco DNA Center Assurance's Client 360 window shows the wireless client SNR value as 0 for Cisco Catalyst 9120 Series APs and Cisco Catalyst 9120 Series APs.
CSCvy13594	Cisco Catalyst 9130 Series AP experiences radio firmware crash on Radio 1, multiple times.
CSCvy30091	Cisco Catalyst 9120 Series AP stops transmitting to MacBook after a session re-authentication.
CSCvy48763	Cisco Catalyst 9130 Series AP crashes due to kernel panic after N+1 failover or fallback.
CSCvy95264	Workgroup bridge (WGB) cannot associate when PSK password contains special characters.
CSCvy95842	Connected AP with non-EWC image undergoes factory reset after reload when DHCP option 43 is present.
CSCvz02579	Cisco Catalyst 9130AXI AP cannot connect to the controller after shut or no shut on a Cisco Catalyst 9300 (C9300-48H) switch interface.
CSCvz06937	Cisco Catalyst 9120 Series AP FW crash is observed in Radio 1.
CSCvz18980	Opportunistic Key Caching (OKC) is not pushed from the controller to the AP when applied.
CSCvz40749	Cisco Wave 2 AP probe filter to limit unwanted probes from the AP to the controller does not work.
CSCvz44787	Cisco Catalyst 9120AXE AP displays incorrect PID and description for Self Identifying AP.
CSCvz57427	When the AP is disassociated due to link failure, AP reports the reason as 'AP crash'.
CSCvz58365	Cisco Catalyst 9130 Series APs unexpectedly reboot due to kernel panic.
CSCvz58499	Cisco Catalyst 9120 Series APs reload unexpectedly due to kernel panic on 2.4-GHz band.
CSCvz59574	Cisco Catalyst 9130 Series APs: Radio operates on channel 128 and publishes in channel 5.
CSCvz87088	Cisco Catalyst 9120 Series APs in monitor mode cannot update the neighbor list causing failure.
CSCvz94692	Cisco Catalyst 9130 Series AP crashes due to radio failure (too many radio failures).
CSCvz99449	APs make too many connections to Identitymgmt causing Cisco DNA Center Identitymgmt failure.
CSCvz99492	Cisco Catalyst 9130 Series AP unexpectedly reloads with a kernel panic.
CSCwa12278	Cisco Catalyst 9115 Series AP crashes due to kernel panic - not syncing: Fatal exception.
CSCwa35428	Cisco Catalyst 9120 Series AP drops CAPWAP connection when running a debug client.
CSCwa45075	AP crashes at FW assert at ar_wal_peer.c:1553.

Caveat ID	Description
CSCwa45081	Cisco Catalyst 9130 Series AP crashes: KP at dp_rx_frag_handle+0x8c/0x8e0 [wifi_3_0].

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.4c

Caveat ID	Description
CSCvw70285	Cisco Catalyst 9120 APs unable to send acknowledgement over the air during EAP negotiation.
CSCvx71141	Cisco Catalyst 9800-80 Wireless Controller crashes due to a CPU hog in the RRM process.
CSCvy90646	Controller drops the incoming CAPWAP keepalive for random APs.
CSCvz08303	Controller reloads unexpectedly in the dbm process when DBAL batch stops executing.
CSCvz45488	Memory leak is observed in EWLC_OPERATIONAL_DB causing dbm crash.
CSCvz45576	Rogue telemetry updates need to be throttled as the controller sends lot of rogue reports to Cisco.
CSCvz46237	Cisco Catalyst 9130 AP crashes on 17.3.4 CCO version.
CSCvz56650	Configuration changes in WLAN or policy profile causes SSID to stop broadcasting.
CSCvz59495	Accounting Requests messages sent in a stream causes issues in the RADIUS server.
CSCvz94267	Cisco Catalyst 9130 APs crashes after upgrading to 17.3.4 and applying the ESW7 image.
CSCvy15384	Datapath state mismatch strands are observed in wireless clients, after roaming.
CSCvz58365	Cisco Catalyst 9130 APs unexpectedly reboot due to kernel panic.
CSCvz58499	Cisco Catalyst 9120 AP reloads unexpectedly due to kernel panic on 2.4-GHz band.
CSCvz59574	Cisco Catalyst 9130 AP: Radio operates in channel 128 and publishes in channel 56.
CSCvz67033	Controller sends an extra accounting interim update to AAA when client re-associates to same.
CSCvz99492	Cisco Catalyst 9130 AP unexpectedly reloads with a kernel panic.

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.4

Caveat ID	Description
CSCvx35154	Transmission problems in 2.4GHz for Cisco Catalyst 9105AX Series Access Points, 9115 Series APs.
CSCvx39497	WNCd process reloads unexpectedly due to Traffic Distribution Statistics.
CSCvx73037	Cisco Catalyst 9105AX Series Access Points image is not available on Cisco Catalyst 9500 series 17.3.2a.
CSCvv66853	Transmission power levels do not change in Cisco Catalyst 9105AX Series Access Points, when changed on the 2.4 GHz channel.

Caveat ID	Description
CSCvv80531	In the FlexConnect mode, during central auth + local switching, 802.11w clients disjoin during Standalone to Connected.
CSCvv93995	Clients cannot connect to Cisco Catalyst 9115 Access Points due to transmission error on the
CSCvv97944	Microcode crash is observed on Cisco Catalyst 9115 Access Points, when Spectrum Intelligence
CSCvw93611	When non-Fast Transition clients roam around APs, incorrect accounting stop class attributes
CSCvx17425	Multiple Dynamic Frequency Selection (DFS) events are observed in Cisco Catalyst 9115 Series
CSCvx18273	Cisco Catalyst 9120AX Series APs send reassembled fragmented packets in the uplink direction
CSCvx19602	Cisco Catalyst 9120 Series AP beacon gets stuck after moving from channel UNII 1 to UNII 2
CSCvx27345	Cisco Catalyst 9800-CL Wireless Controller displays Neighbor APs as Rogue APs on the 2.4 GHz
CSCvx35811	Central Web Authentication clients are not moved back to Web Authentication after CoA received when the client is in the RUN state.
CSCvx36012	Cisco Catalyst APs disconnect after SSO, when CAPWAP multi-window feature is enabled
CSCvx37499	Controller reloads with the message "Critical process wncd fault on rp_0_0 (rc=139)".
CSCvx44338	802.11r retried authentication packet forwarded to controller, causes duplicate authentication for client.
CSCvx47191	Cisco Catalyst 9130 Series APs - Clients get stuck in the Authenticating state after multiple upgrades from 17.2.1 to 17.3.2a.
CSCvx56223	Cisco Catalyst 9120AX AP stops allowing new associations on any of the configured SSIDs
CSCvx56259	FlexConnect central authentication 11r client roaming fails after controllers were upgraded.
CSCvx92866	Cisco Catalyst 9115AX Series APs crash frequently on 17.3.3.
CSCvy00017	Cisco Catalyst 9120 APs drop downstream packets of workgroup bridge (WGB) clients.
CSCvy06837	Static IP address does not change when IP failover is toggled.
CSCvy11981	Cisco Catalyst 9800 Series Wireless Controller ends abnormally due to WNCd (AP name length greater than or equal to 32 characters).
CSCvy14143	Cisco Catalyst 9115AX APs running on 17.3.3.26 esc image, crashes.
CSCvy21906	Roaming clients fail in the Extensible Authentication Protocol (EAP) process due to incorrect configuration on EAP Response.
CSCvy35021	Cisco Catalyst 9120 APs and 9105 APs unexpectedly reload during regular operation, due to
CSCvy36594	Cisco Catalyst 9800-40 Wireless Controller running 17.3.2 EWA configuration - ACLs are not applied to HTTP or HTTPS server configuration from the GUI.

Caveat ID	Description
CSCVy46043	Cisco Catalyst 9800 Series Wireless Controller ends abnormally for Switch Integrated Security pointer to l2_socket_counter record.
CSCVu80883	Cisco Wave 2 APs sends duplicate association response in FlexConnect central authentication.
CSCVv56712	AAA or RADIUS must fragment packets to the required size based on the Maximum Transmission Unit (MTU) settings.
CSCVw24934	Cisco Catalyst 9130 AP - Facing latency issues during high QoS Basic Service Set (QBSS).
CSCVw72516	Cisco Digital Network Architecture (DNA) Center Assurance Client 360 page displays the wireless Signal-to-Noise Ratio (SNR) value as 0.
CSCVw81531	Cisco Catalyst 9120 AP detects its own BSSID as Rogue in 2.4Ghz channel.
CSCVw94907	The client data rate is displayed incorrectly on the GUI and CLI.
CSCVx16484	Cisco Catalyst 9800 Series Wireless Controller GUI does not display all locations configured in the controller.
CSCVx29110	Cisco Catalyst 9800 Wireless Controller with PMF Optional, protects management frames for 128 bytes.
CSCVx31952	The following error message was displayed in the Cisco Catalyst 9115 AP and 9120 AP logs: /sys/class/thermal/thermal_zone0/temp failed [2]: No such file or directory.
CSCVx34926	Unable to enable AP admin on Cisco Catalyst 9800 Series Wireless Controller GUI. Admin rights are only through CLI commands.
CSCVx37875	Transmission power discrepancies observed in Cisco Catalyst 9130AX Series APs and 9117AX Series APs.
CSCVx51232	Cisco Catalyst 9130 AP Trace prints junk characters.
CSCVx53493	Cisco Catalyst 9130AX AP not forwarding M1 responses over the air.
CSCVx58704	In FlexConnect, when VLAN tagging and ARP-caching are enabled, the host does not receive traffic.
CSCVx73528	AP joins the secondary controller instead of the primary-base controller.
CSCVx80829	Ignore false positive reports managed by local or other controllers in the mobility group.
CSCVx87706	NSS deadlock issue causes Cisco Catalyst 9130 AP to crash.
CSCVx89490	Cisco Catalyst 9130 APs are crashing on 17.3.2a build.
CSCVy00817	Cisco Catalyst 9130 AP - Clients with only 2.4GHz, cannot connect to WLAN with band select enabled and SSID disabled.
CSCVy02120	Cisco Catalyst 9130 AP fails to send reassociation response to roaming clients randomly, and disconnects them.
CSCVy16204	The allowed VLANs in an interface cannot be modified or viewed in the controller GUI.
CSCVy31207	Cisco Catalyst 9130 AP radio crashes when running wifistats on the devshell command.
CSCVy31684	WNCD table records that are in "Pending Destroy" state are not being cleared up.

Caveat ID	Description
CSCvy44800	The tags on the AP are lost after the second reboot or CAPWAP restart.
CSCvy58934	Cisco Catalyst 9800 Series Wireless Controller does not send the CAPWAP restart payload if the AP name is changed.

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.3

Caveat ID	Description
CSCvv00630	Unexpected AP reload: AP crashes with Kernel Panic.
CSCvv92772	OBSS-PD configuration from WebUI does not get pushed to APs mapped to the RF profile.
CSCvv93995	Clients unable to connect to C9115 due to persistent Tx Error on Radio (CS00011211267).
CSCvv99213	RF tag power settings in Cisco Catalyst 9130AXE AP does not work on Slot 2.
CSCvw10308	Cisco Catalyst 9130AX AP drops packets: AP unable to push packets to the Click module.
CSCvw52979	Cisco Catalyst 9120 Series AP crashes after upgrade from Cisco IOS XE 17.3.1 to Cisco IOS XE 17.3.3.
CSCvw91795	Cisco Catalyst 9115 Series and 9120 Series APs use the wrong TID when responding to BLE Requests.
CSCvx10905	Cisco Catalyst 9130AX AP tri-radio enabled by manual dual-radio assignment mode disabled on Slot1.

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.2a

Caveat ID	Description
CSCvt06712	Max Transmit Power Level is set to 128 dBm in Country IE.
CSCvu43631	AP PnP does not try to sync time with public NTP server.
CSCvu75470	IP address of configured nameserver seen flipped on controller after AP tears-down the connection.
CSCvu78608	Webauth redirect URL is getting looped for the client.
CSCvu81034	AP marks the Wi-Fi Multimedia (WMM) UP value as 0 despite receiving DSCP value as 46.
CSCvv02099	AP should reject incorrect fast transition authentication requests.
CSCvv02121	AP is not sending re-association response.
CSCvv18778	Client association fails when changing the connected WLAN from 802.1X WLAN to PSK-WLAN.
CSCvv22110	Cisco Catalyst 9130AX Series Access Point: Multicast traffic failures are observed after Group key index rotation for Vocera clients.
CSCvv22536	Client moves to RUN state without Extensible Authentication Protocol (EAP).

Caveat ID	Description
CSCvv35000	Cisco Embedded Wireless Controller: WPA3 SAE does not work.
CSCvv37072	Flex Opportunistic Key Caching (OKC) roam M1 is not sent out.
CSCvv39762	Cisco Catalyst 9105, 9115, and 9120 Access Points starts beaconing during the Call Admission on Dynamic Frequency Selection (DFS) channel if 802.11h is disabled on the controller
CSCvv51321	Cisco Catalyst 9105, 9115, and 9120 Access Points: APs unexpectedly experience "assert" kernel Wait Time is enabled.
CSCvv54538	Cisco Catalyst 9120 Access Point is crashing with the following message: + assert:"dma_txact file \"wlc_tx.c:13678\".
CSCvv55733	Pixel client de-authenticates as NO ARP responses are received during NUD checks to Virtual Protocol (VRRP) gateway.
CSCvv58057	Cisco Catalyst 9130 Access Point: Scale performance is worse than Cisco Catalyst 9120 APs w active clients.
CSCvv62762	Cisco Catalyst 9120 Access Point crashes due to station data base entry becoming NULL.
CSCvv73396	Cisco Catalyst 9115AX Access Point unexpectedly reloads.
CSCvv82544	Cisco Catalyst 9120 Access Point is crashing unexpectedly: assert:\"0\" failed: file \"wlc_amsd
CSCvw23306	AP performs DHCP reset after 5 failed attempts of CAPWAP Discovery, but still responds to s

Resolved Caveats for Cisco IOS XE Amsterdam 17.3.1

Caveat ID	Description
CSCvq99108	Cisco Aironet 3700 AP series reloads unexpectedly.
CSCvr68729	High Availability fails to initialize NVRAM after multiple power cycles.
CSCvs63467	IPv6 dual stack is not working.
CSCvs31212	Cisco Aironet 3800 AP: Manufacturing Installed Certificate (MIC) errors observed for Cisco C Management (CCKM) roams in FlexConnect local switch mode.
CSCvs52625	btman process at 100% while running show tech command.
CSCvs55102	WNCd unexpectedly reboots after association failure.
CSCvs55109	AP Ethernet link flaps at 5G speed due to Fast Retrain failure.
CSCvs56849	Cisco Catalyst 9120AXI AP unexpectedly reloads with watchdog or grpc_server tainted.
CSCvs62464	Controller with more than 4000 APs in one site-tag (not default-site) is not allowing to do AP c
CSCvs66107	Cisco Catalyst 9115AX AP: Rogue containment is not working when AP is in monitor mode.
CSCvs70091	-Q domain APs in Japan are advertising J4 as the country in beacon, instead of JP.

Caveat ID	Description
CSCvs71784	Controller crashes on receiving username with 246 characters on the third attempt.
CSCvs83955	Control packets are not honoring mobility Path MTU Discovery.
CSCvs93903	WNCd process goes down due to assert for basic SSID (BSSID) magic check.
CSCvs98528	WNCd crash is observed with roaming of long duration fabric clients.
CSCvt05007	Controller crashes when a 11r client tries to perform over-the-air or over-the-ds roam.
CSCvt08645	Multicast replicates over CAPWAP when global multicast is disabled.
CSCvt17820	Client gets excluded after VLAN changes following the machine and user authentication.
CSCvt29348	The show tech wireless command output is showing incomplete information for the sub-command dot11 5ghz and show ap auto-rf dot11 2 .
CSCvt31484	Controller unexpectedly reloads when an AP joins and does not report the correct radios.
CSCvt34987	The Cisco Catalyst 9800-80 HA cluster crashes frequently.
CSCvt35766	Controller is not allowing Wi-Fi Protected Access (WPA)/Temporal Key Integrity Protocol (TKIP).
CSCvt35811	Cisco Catalyst 9130 AP: Channel/Mode mismatch between WCP and WLAN driver.
CSCvt37835	Client is unable to associate due to DOT11_STATUS_DENIED_RATES when extended rates are enabled.
CSCvt38486	Cisco Wave 2 APs: EAP-PEAP (Protected Extensible Authentication Protocol) flex-auth fails due to low EAP timeout.
CSCvt41053	Clients are assigned to native VLAN instead of client VLAN.
CSCvt41519	Controller crashes due to AP with the same name and different existing radio mac.
CSCvt46733	Address Resolution Protocol (ARP) handling allows for the ARP entry to be removed for a period of time.
CSCvt68112	Cisco Catalyst 9130 AP: Cisco OfficeExtend access point (OEAP) GUI is not accessible.
CSCvt75205	Controller crashes on Wi-Fi Multimedia (WMM) action, while roaming.
CSCvu19000	Cisco Catalyst 9800-L Controller goes administratively down after a reload following factoring.
CSCvu44330	Memory leak is observed under process SACRcvWQWrk2 when Smart Licensing is enabled.
CSCvu57730	Controller crash is observed in CPP (data path).
CSCvu71871	Cisco Catalyst 9800-80 Controller crashes with SIGSEGV while removing timer RB tree on a radio.
CSCvu78070	Controller crash is observed during WNCd process.
CSCvp76426	Controller is not honoring timezone when configuring dynamic channel allocation (DCA) on a radio.
CSCvs29013	Controller is not sending SNMP trap when AP is reset using GUI or CLI.
CSCvs40004	Cisco Catalyst 9800-L-C fails to install authorization code due to NO_AUTH_CODE_FOU

Caveat ID	Description
CSCvs50689	Improve the show wireless stats loadbalance summary command.
CSCvs52655	The show wlan client stats command output shows wrong WLAN with similar WLAN name.
CSCvs73952	Client count shows zero for the show ap dot11 5ghz/2.4ghz load-info command output when CHD (CHD) is disabled.
CSCvs75087	Global AP pre-image download is not working.
CSCvs77734	Frequent channel changes observed on the Cisco Aironet 4800 AP slot 0 radio while using 5 GHz.
CSCvs81826	Upgrading to Cisco IOS XE 16.12.2s deletes WLAN to policy profile mapping under default-policy.
CSCvs93963	Support tspec processing when voice acm is disabled or with no tgr tspec.
CSCvt01659	Cisco Wave 1 APs: Client traffic is stuck after client is in RUN state for Central Web Authentication (LWA).
CSCvt13127	Cisco Catalyst 9800-CL Controller is unable to display medium power when AP sends a 25W power level.
CSCvt19605	Guest anchor fails to load balance clients across anchors.
CSCvt23051	Cisco Catalyst 9120AX AP is not use the correct datarates.
CSCvt27421	Cannot remove AdvIPServices license.
CSCvt29373	UDP Port 5246 based Access Control List (ACL) filter fails to select Datagram Transport Layer Security (DTLS) encrypted CAPWAP control packets.
CSCvt29596	Current Tx rate for 802.11AX clients is displayed incorrectly.
CSCvt30657	Controller crashes with the following reason: \Critical process cpp_cp_svr fault on fp_0_0 (reason=).
CSCvt37462	The factory-reset all command deletes the actual image when controller is in install mode.
CSCvt47787	Roaming is not successful when NAC is enabled in the policy profile.
CSCvt56911	Ethernet over GRE (EoGRE) tunnel is not copying Differentiated Services Code Point (DSCP) IP header on injected packet.
CSCvt61509	Cisco Aironet 3700 AP is unable to join controller as the VLAN interface name exceeds character limit.
CSCvt63940	Authentication fails for some clients, when local authentication is configured in the policy profile.
CSCvu18085	Cisco Catalyst 9117AX AP: 802.1x authentication is not working for clients.
CSCvu24770	Various models of Android 10 devices fail to associate.
CSCvu58564	AP uses non-allowed channel on dual radio when change setting to 5 GHz.

Troubleshooting

For the most up-to-date, detailed troubleshooting information, visit the Cisco TAC website at:

<https://www.cisco.com/en/US/support/index.html>

Go to **Product Support** and select your product from the list, or enter the name of your product. Look under **Troubleshoot and Alerts** to find information about the problem that you are experiencing.

Related Documentation

Information about Cisco IOS XE is available at:

<https://www.cisco.com/c/en/us/products/ios-nx-os-software/ios-xe/index.html>

All the support documentation for Cisco Catalyst 9100 Access Points are available at: <https://www.cisco.com/c/en/us/support/wireless/catalyst-9100ax-access-points/tsd-products-support-series-home.html>

Cisco Validated Designs documents are available at:

<https://www.cisco.com/go/designzone>

Cisco Embedded Wireless Controller on Catalyst Access Points

For support information, see the following documents:

- [Cisco Wireless Solutions Software Compatibility Matrix](#)
- [Cisco Embedded Wireless Controller on Catalyst Access Points Software Configuration Guide](#)
- [Cisco Embedded Wireless Controller on Catalyst Access Points Command Reference Guide](#)
- [Cisco Embedded Wireless Controller on Catalyst Access Points Online Help](#)

Installation guides for Catalyst Access Points are available at:

<https://www.cisco.com/c/en/us/support/wireless/catalyst-9100ax-access-points/products-installation-guides-list.html>

For all Cisco Wireless Controller software-related documentation, see:

<https://www.cisco.com/c/en/us/support/wireless/catalyst-9800-series-wireless-controllers/tsd-products-support-series-home.html>

Wireless Products Comparison

- Use this tool to compare the specifications of Cisco wireless APs and controllers:
<https://www.cisco.com/c/en/us/products/wireless/wireless-lan-controller/product-comparison.html>
- Product Approval Status:
https://prdapp.cloudapps.cisco.com/cse/prdapp/jsp/externalsearch.do?action=externalsearch&page=EXTERNAL_SEARCH
- Wireless LAN Compliance Lookup:

<https://www.cisco.com/c/dam/assets/prod/wireless/wireless-compliance-tool/index.html>

Cisco Access Points–Statement of Volatility

The STATEMENT OF VOLATILITY is an engineering document that provides information about the device, the location of its memory components, and the methods for clearing device memory. Refer to the data security policies and practices of your organization and take the necessary steps required to protect your devices or network environment.

The Cisco Aironet and Catalyst AP Statement of Volatility (SoV) documents are available on Cisco Trust Portal at https://trustportal.cisco.com/c/r/ctp/trust-portal.html#.

You can search by the AP model to view the SoV document.

Cisco Connected Mobile Experiences

[Cisco Connected Mobile Experiences Documentation](#)

Cisco DNA Center

[Cisco DNA Center Documentation](#)

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Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.

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