CISCO

Release Notes for Cisco Embedded Wireless Controller on Catalyst Access Points, Cisco IOS XE Bengaluru 17.6.x

First Published: 2021-07-31

Last Modified: 2024-09-12

Release Notes for Cisco Embedded Wireless Controller on Catalyst Access Points, Cisco IOS XE Bengaluru 17.6.x

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 (AP). In this solution, a Catalyst 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 Catalyst Center, Netconf/Restconf, web-based GUI, or CLI.

What's New in Cisco IOS XE Bengaluru 17.6.8

There are no new features in this release.

What's New in Cisco IOS XE Bengaluru 17.6.7

There are no new features in this release.

What's New in Cisco IOS XE Bengaluru 17.6.6a

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

What's New in Cisco IOS XE Bengaluru 17.6.6

There are no new features in this release.

What's New in Cisco IOS XE Bengaluru 17.6.5

There are no new features in this release.

What's New in Cisco IOS XE Bengaluru 17.6.4

There are no new features in this release.

What's New in Cisco IOS XE Bengaluru 17.6.3

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	Cisco Embedded Wireless Controller on Catalyst Access Points requires Automated Software Download Version 3 (ASDv3) to download software from Cisco.com. However, ASDv3 is being replaced by ASDv4 from July 2022. Consequently, the software download feature will not work on older Cisco IOS XE releases. We recommend that you upgrade your device software image to Cisco IOS XE Amsterdam 17.3.5a, Cisco IOS XE Bengaluru 17.6.3, Cisco IOS XE Cupertino 17.8.1 (when available), or a later release to enable the software download feature with ASDv4.

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

What's New in Cisco IOS XE Bengaluru 17.6.2

Table 2: New and Modified Software Features

Feature Name	Description and Documentation Link
Embedded Wireless Controller (EWC) support for Cisco Catalyst 9124AXE Outdoor Access Points	Cisco Catalyst 9124AXE Outdoor Access Points is supported in EWC, from Cisco IOS XE Bengaluru 17.6.2 onwards.
Mesh and Mesh + Flex Support for Cisco Catalyst 9124AXE Outdoor Access Points	Mesh feature and Mesh + Flex feature is supported in Cisco Catalyst 9124AXE outdoor Access Points. For more information, see the chapter Mesh Access Points.
Mesh and Mesh + Flex Support for Cisco Catalyst 9124AXI/D Outdoor Access Points	Mesh feature and Mesh + Flex feature is supported in Cisco Catalyst 9124AXI/D outdoor Access Points. For more information, see the chapter Mesh Access Points.

Note The following is recommended for EWC deployments:

In a normal EWC (EWC on AP) network, the controller image is transferred to all EWC capable APs. However, in a mesh topology, it adds additional traffic flow on the wireless backhaul when there are EWC capable MAPs. This could make the image download procedure slow and error prone. To alleviate the issue, an option has been added, where the controller image is not copied to the EWC capable MAPs, when they are in CAPWAP mode. Changing the EWC capable MAPs to CAPWAP APs, does not impact the EWC network redundancy design, as MAPs do not spawn the controller.

What's New in Cisco Embedded Wireless Controller on Catalyst Access Points, Cisco IOS XE Bengaluru 17.6.1b

There are no new features in this release.

Note For more information about behavior change, see the Behavior Change section.

What's New in Cisco Embedded Wireless Controller on Catalyst Access Points, Cisco IOS XE Bengaluru 17.6.1

Table 3: New and Modified Software Features

Feature Name	Description and Documentation Link
Access Point Tag Persistency	In Cisco IOS XE Bengaluru 17.6.1, AP tag persistency is enabled globally on the controller. When APs join a controller with the tag persistency enabled, the mapped tags are saved on the AP without having to write the tag configurations on each AP, individually. The following command is introduced: • **ap tag persistency enable** For more information, see the chapter Access Point Tag Persistency.

Feature Name	Description and Documentation Link

AP Group NTP Server	The global NTP server configuration is replaced with per-AP group NTP server configuration. Now, you cannot configure the Cisco Hyperlocation feature without the per-AP group NTP server.
	
	The following commands are introduced:
	
	  • **ntp auth-key**
	  • **timezone delta**
	  • **timezone use-controller**
	  • **show ap name ntp status**
	  • **show ap ntp status**
	  • **show ap timezone**
	
	For more information, see the chapter AP Group NTP Server.

IPv6 Ready Certification	The IPv6 feature is enhanced with the implementation of various IPv6 functionalities that are required to comply with the latest RFC specifications. For more information, see the chapter IPv6 Ready Certification.

MAC Address Consistency	The format of the MAC addresses of some of the fields in the following CLIs are updated from *xx:xx:xx:xx:xx* to *xxxx.xxxx.xxxx*.
	
	  • **show ap name ble detail**
	  • **show ap name** *ap-name* **dot11** {**5ghz**
		24ghz} **SI device**
		  • **show ap name** *ap-name* **dot11 5ghz slot** *slot-number* **SI device**
		  • **show ap dot11** {**24ghz**
			5ghz} **SI device type**
			  • **show nmsp subscription group detail all**
			  • **show nmsp subscription group detail ap-list**

Regulatory Compliance (Rest of World) for Domain Reduction	This feature enhancement helps to reduce the number of regulatory domains by modifying the existing preprovision domain workflow to determine regulatory domain at runtime per country code. A new ROW domain is introduced and merged to include nine domains. Every AP can determine its own regulatory domain from one of the 9 domains with regulated power table and allowed radio channels. Until Cisco IOS XE Bengaluru 17.5.x, AP used the global controller country list to configure and validate all the country codes. For more information, see the chapter Regulatory Complaince Rest of the World for Domain Reduction.

Feature Name	Description and Documentation Link
Mesh Support for Cisco Catalyst 9124AXI/D Outdoor Access Points	From Cisco IOS XE Bengaluru 17.6.1 onwards, the mesh feature is supported in Cisco Catalyst 9124AXI/D outdoor Access Points with EFT quality. For queries on this feature, reach out to the mailer: wireless-9124-ithaca-mesh-eft-support For more information, see the chapter Mesh Access Points.
Mesh support on Cisco Catalyst Wireless Mobile Application	With the introduction of the mesh feature in the EWC platform for Cisco Catalyst 9124AXI/D outdoor Access Points with EFT quality, the mobile application supports the following mesh use cases: • Converting EWC AP to mesh mode (EWC+Root AP). • Adding MAC addresses for Mesh APs using the QR code scan. • Monitoring **Show Mesh Tree** with the AP graph. For more information, see the EWC Mob App User Guide.
Support for WiFi6 Pluggable Module in EWC	The newly introduced WiFi6 Pluggable Module is supported in EWC.
Embedded Wireless Controller (EWC) support for Cisco Catalyst 9124AXI/D Outdoor Access Points	Cisco Catalyst 9124AXI/D Outdoor Access Points is supported in EWC, from Cisco IOS XE Bengaluru 17.6.1 onwards.

Note   Cisco Embedded Wireless Controller on Catalyst Access Points with C-ANT9104 Antenna, is not supported in Cisco IOS XE Bengaluru 17.6.1 Release.

Table 4: New and Modified GUI Features

Feature Name	GUI Path
Access Point Tag Persistency	• **Configuration > Tags & Profiles > Tags** • **Configuration** > **Wireless** > **Access Points**

Feature Name	GUI Path
MAC Address Consistency	• **Configuration > Security > Local Policy** • **Configuration > Tags & Profiles > AP Join** • **Configuration > Security > AAA > AAA Advanced > Device Authenti** • **Troubleshooting > Radioactive Trace** • **Configuration > Wireless > Hotspot/OpenRoaming**. • **Troubleshooting > AP Packet Capture** • **Monitoring > Wireless > Clients** • **Configuration > Wireless Setup > Basic** • **Configuration > Wireless > Mobility** • **Configuration > Tags & Profiles > Tags > AP > Static**
Mesh Support for Cisco Catalyst 9124AX Outdoor Access Points	• **Configuration > Wireless > Access Points** • **Configuration >Wireless > Mesh > Profiles**

Interactive Help

The Cisco Embedded Wireless Controller on Catalyst Access Points GUI features an interactive help that walks you through the GUI and guides you through complex configurations.

You can start the interactive help in the following ways:

- By hovering your cursor over the blue flap at the right-hand corner of a window in the GUI and clicking **Interactive Help**.

- By clicking **Walk-me Thru** in the left pane of a window in the GUI.

- By clicking **Show me How** displayed in the GUI. Clicking **Show me How** triggers a specific interactive help that is relevant to the context you are in.

  For instance, **Show me How** in **Configure** > **AAA** walks you through the various steps for configuring a RADIUS server. Choose **Configuration**> **Wireless Setup** > **Advanced** and click **Show me How** to trigger the interactive help that walks you through the steps relating to various kinds of authentication.

The following features have an associated interactive help:

- Configuring AAA

- Configuring FlexConnect Authentication

- Configuring 802.1X Authentication

- Configuring Local Web Authentication

- Configuring OpenRoaming

• Configuring Mesh APs

Note   If the WalkMe launcher is unavailable on Safari, modify the settings as follows:

1. Choose **Preferences > Privacy**.

2. In the **Website tracking** section, uncheck the **Prevent cross-site tracking** check box to disable this action.

3. In the **Cookies and website data** section, uncheck the **Block all cookies** check box to disable this action.

Behavior Change

If the APs already have Cisco IOS XE Bengaluru 17.6.1 image, you need not upgrade the APs to the 17.6.1b image. However, if there are Cisco Catalyst 9124 Series APs with the 17.6.1b image loaded, in an EWC deployment, then all the APs should be upgraded to the 17.6.1b image.

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 5: 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 9124AXE/I/D	Cisco Aironet 1815w
Cisco Catalyst 9130	Cisco Aironet 1830 Series
Cisco Catalyst 9105AXI	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 9124AXE/I/D
	Cisco Catalyst 9130
	Cisco Catalyst 9105AXW
	Cisco Catalyst 9105AXI
	Cisco Catalyst Industrial Wireless 6300 Heavy Duty Series Access Points
	Cisco 6300 Series Embedded Services Access Points

Table 6: 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

Image Type	Supported APs
ap1g6a	Cisco Catalyst 9130
	Cisco Catalyst 9124AXE/I/D
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 7: 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 9124AXE/I/D	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 8: Compatibility Information

Cisco Embedded Wireless Controller on Catalyst Access Points	Cisco ISE	Cisco CMX	Cisco Catalyst Center
Bengaluru 17.6.x	3.0 2.7 2.6 2.4 2.3	10.6.3 10.6.2 10.6 10.5.1	See Cisco Catalyst Center Compatibility Information

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 9: 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.

Browser	Version	Operating System	Status	Workaround
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 Bengaluru 17.6.3, on page 3 section.

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 17.6.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 10: 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-universalk9.17.06.08.zip	C9800-AP-universalk9.17.06.08.zip	ap1g7
	C9800-AP-universalk9.17.06.07.zip	C9800-AP-universalk9.17.06.07.zip	
	C9800-AP-universalk9.17.06.6a.zip	C9800-AP-universalk9.17.06.6a.zip	
	C9800-AP-universalk9.17.06.06.zip	C9800-AP-universalk9.17.06.06.zip	
	C9800-AP-universalk9.17.06.05.zip	C9800-AP-universalk9.17.06.05.zip	
	C9800-AP-universalk9.17.06.04.zip	C9800-AP-universalk9.17.06.04.zip	
	C9800-AP-universalk9.17.06.03.zip	C9800-AP-universalk9.17.06.03.zip	
	C9800-AP-universalk9.17.06.02.zip	C9800-AP-universalk9.17.06.02.zip	
	C9800-AP-universalk9.17.06.1b.zip	C9800-AP-universalk9.17.06.1b.zip	
	C9800-AP-universalk9.17.06.01.zip	C9800-AP-universalk9.17.06.01.zip	
Cisco Catalyst 9117 Series	C9800-AP-universalk9.17.06.08.zip	C9800-AP-universalk9.17.06.08.zip	ap1g6
	C9800-AP-universalk9.17.06.07.zip	C9800-AP-universalk9.17.06.07.zip	
	C9800-AP-universalk9.17.06.6a.zip	C9800-AP-universalk9.17.06.6a.zip	
	C9800-AP-universalk9.17.06.06.zip	C9800-AP-universalk9.17.06.06.zip	
	C9800-AP-universalk9.17.06.05.zip	C9800-AP-universalk9.17.06.05.zip	
	C9800-AP-universalk9.17.06.04.zip	C9800-AP-universalk9.17.06.04.zip	
	C9800-AP-universalk9.17.06.03.zip	C9800-AP-universalk9.17.06.03.zip	
	C9800-AP-universalk9.17.06.02.zip	C9800-AP-universalk9.17.06.02.zip	
	C9800-AP-universalk9.17.06.1b.zip	C9800-AP-universalk9.17.06.1b.zip	
	C9800-AP-universalk9.17.06.01.zip	C9800-AP-universalk9.17.06.01.zip	

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-universalk9.17.06.08.zip	C9800-AP-universalk9.17.06.08.zip	ap1g7
	C9800-AP-universalk9.17.06.07.zip	C9800-AP-universalk9.17.06.07.zip	
	C9800-AP-universalk9.17.06.6a.zip	C9800-AP-universalk9.17.06.6a.zip	
	C9800-AP-universalk9.17.06.06.zip	C9800-AP-universalk9.17.06.06.zip	
	C9800-AP-universalk9.17.06.05.zip	C9800-AP-universalk9.17.06.05.zip	
	C9800-AP-universalk9.17.06.04.zip	C9800-AP-universalk9.17.06.04.zip	
	C9800-AP-universalk9.17.06.03.zip	C9800-AP-universalk9.17.06.03.zip	
	C9800-AP-universalk9.17.06.02.zip	C9800-AP-universalk9.17.06.02.zip	
	C9800-AP-universalk9.17.06.1b.zip	C9800-AP-universalk9.17.06.1b.zip	
	C9800-AP-universalk9.17.06.01.zip	C9800-AP-universalk9.17.06.01.zip	
Cisco Catalyst 9124AXE/I/D	C9800-AP-universalk9.17.06.08.zip	C9800-AP-universalk9.17.06.08.zip	ap1g6a
	C9800-AP-universalk9.17.06.07.zip	C9800-AP-universalk9.17.06.07.zip	
	C9800-AP-universalk9.17.06.6a.zip	C9800-AP-universalk9.17.06.6a.zip	
	C9800-AP-universalk9.17.06.06.zip	C9800-AP-universalk9.17.06.06.zip	
	C9800-AP-universalk9.17.06.05.zip	C9800-AP-universalk9.17.06.05.zip	
	C9800-AP-universalk9.17.06.04.zip	C9800-AP-universalk9.17.06.04.zip	
	C9800-AP-universalk9.17.06.03.zip	C9800-AP-universalk9.17.06.03.zip	
	C9800-AP-universalk9.17.06.02.zip	C9800-AP-universalk9.17.06.02.zip	
	C9800-AP-universalk9.17.06.1b.zip	C9800-AP-universalk9.17.06.1b.zip	
	C9800-AP-universalk9.17.06.01.zip	C9800-AP-universalk9.17.06.01.zip	
Cisco Catalyst 9130 Series	C9800-AP-universalk9.17.06.08.zip	C9800-AP-universalk9.17.06.08.zip	ap1g6a
	C9800-AP-universalk9.17.06.07.zip	C9800-AP-universalk9.17.06.07.zip	
	C9800-AP-universalk9.17.06.7.zip	C9800-AP-universalk9.17.06.7.zip	
	C9800-AP-universalk9.17.06.6a.zip	C9800-AP-universalk9.17.06.6a.zip	
	C9800-AP-universalk9.17.06.06.zip	C9800-AP-universalk9.17.06.06.zip	
	C9800-AP-universalk9.17.06.05.zip	C9800-AP-universalk9.17.06.05.zip	
	C9800-AP-universalk9.17.06.04.zip	C9800-AP-universalk9.17.06.04.zip	
	C9800-AP-universalk9.17.06.03.zip	C9800-AP-universalk9.17.06.03.zip	
	C9800-AP-universalk9.17.06.02.zip	C9800-AP-universalk9.17.06.02.zip	
	C9800-AP-universalk9.17.06.1b.zip	C9800-AP-universalk9.17.06.1b.zip	
	C9800-AP-universalk9.17.06.01.zip	C9800-AP-universalk9.17.06.01.zip	

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 Cisco Catalyst Center.

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.

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 11: Test Configuration for Interoperability

Hardware or Software Parameter	Hardware or Software Type
Release	Cisco IOS XE Bengaluru 17.6.x

Hardware or Software Parameter	Hardware or Software Type

Access Points	• Cisco Aironet Series Access Points
	
	    • 1540
	
	    • 1560
	
	    • 1815i
	
	    • 1815w
	
	    • 1830
	
	    • 1840
	
	    • 1850
	
	    • 2800
	
	    • 3800
	
	    • 4800
	
	• Cisco Catalyst 9115AX Access Points
	
	• Cisco Catalyst 9117AX Access Points
	
	• Cisco Catalyst 9120AX Access Points
	
	• Cisco Catalyst 9124AXE/I/D Access Points
	
	• Cisco Catalyst 9130AX Access Points

Radio	• 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 12: 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
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)

Client Type and Name	Driver / Software Version
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)
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

Client Type and Name	Driver / Software Version
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	Andriod 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 Experia 1 ii	Android 10
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

Client Type and Name	Driver / Software Version
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 Bengaluru 17.6.8

Identifier	Headline
CSCwi28174	Multicast L3 packets are sent on native VLAN when VLAN 1 on policy profile with AAA override

Open Caveats for Cisco IOS XE Bengaluru 17.6.7

Identifier	Headline
CSCwh57076	The controller does not forward the broadcast Address Resolution Protocol (ARP) request to the wireless client.
CSCwh80060	The Cisco Wave 2 APs connected to the controller lose the flex WLAN-VLAN mapping
CSCwi03442	Cisco Catalyst 9130 AP does not honor the Unscheduled automatic power save delivery (U-APSD) trigger frame causing RTP stream disruption.
CSCwi19804	Cisco Catalyst 9105/9115/9120 APs: AP radio is misconfigured after the AP reloads while in administrative state down.
CSCwi81972	Cisco Wave 2 APs to check DELETE_VAP_PAYLOAD CAPWAP payload sanity before blindly deleting.
CSCwf83515	Unification of country information in the 802.11 beacon.
CSCwh02986	Cisco Catalyst 9120 AP transmit power value in dBm does not match with the readings shown in the controller and and Ekahau site survey.
CSCwi47294	Per client rate limit with FlexConnect local switching APs does not work.
CSCwi48980	Local password policy of the controller does not take effect as expected for the GUI login.
CSCwi64010	The controller accepts reserved IPv6 multicast address to be configured as Mobility Multicast IPv6 address.
CSCwi64652	Cisco Catalyst 9105 APs do not reset the Bluetooth Low Energy (BLE) interface even after 100 attempts
CSCwi83124	Pop-up windows of the contoller GUI are not displayed correctly in the Dark mode.

Open Caveats for Cisco IOS XE Bengaluru 17.6.6a

Identifier	Headline
CSCwf91557	Cisco Wave 2 APs stop PMTU discovery after reaching the maximum hard-coded value.
CSCwc99359	The rogue rule configuration for delete classification does not take effect.
CSCwh02986	AP transmit power in dBm does not match with the reading shown in the controller/AP and Ekahau site survey.
CSCwe28717	Certifcate failure issues observed when joining APs to the controller using CMCA III certificate structure.
CSCwe22861	Association ID leak observed in Cisco Wave 2 FlexConnect APs.
CSCwf22788	The **show wireless client summary detail** command does not show all IPv6 addresses.

Identifier	Headline
CSCwh03842	Cisco Aironet 4800 Series AP beacons are missed intermittently on multiple BSSIDs.
CSCwh27366	Cisco Aironet 3800 Series AP experiences radio firmware crash.
CSCwf84639	Cisco Catalyst 9120 Series AP: XOR mode is not updated on the database.
CSCwe68984	Cisco Catalyst 9105 Series AP WGB does not send PMKID during reassociation.
CSCwe11213	Cisco Catalyst 9130 Series APs crash observed due to radio failure.
CSCwf18202	Cisco Wave 2 APs are not encrypting EAP identity requests after maximum retries.
CSCwf90946	Cisco Catalyst 9130 Series AP does not forward 802.1x identity request with wireless phones.
CSCwh44376	Allow RRM to assign channels and power levels on mesh APs.
CSCwf73002	Unable to remove port security configurations under Interface through NETCONF.
CSCwf53520	Kernel panic crash observed on Cisco Aironet 1815 Series AP.
CSCwf91445	The controller pushes accounting information for PSK local authentication WLANs.
CSCwd76693	Profile mismatch counter does not increase.
CSCwa25735	Cisco Aironet 1832 Series AP does not forward packets to the radio.
CSCwd79178	Cisco Aironet 1840 Series AP: OfficeExtend Access Point (OEAP) crashes due to radio recovery failure.
CSCwe24263	Cisco Catalyst 9130 Series APs: Inconsistent TX power levels advertised in the beacons.
CSCwd73627	Accounting session ID missing from the Cisco Wave 2 APs.
CSCwf93992	Cisco Aironet 2800 Series FlexConnect APs do not process EAP-TLS fragmented packets if there is a delay of more than 50 milliseconds.

Open Caveats for Cisco IOS XE Bengaluru 17.6.6

Identifier	Headline
CSCwf91557	Cisco Wave 2 APs stop PMTU discovery after reaching the maximum hard-coded value.
CSCwc99359	The rogue rule configuration for delete classification does not take effect.
CSCwh02986	AP transmit power in dBm does not match with the reading shown in the controller/AP and Ekahau site survey.
CSCwe28717	Certifcate failure issues observed when joining APs to the controller using CMCA III certificate structure.
CSCwe22861	Association ID leak observed in Cisco Wave 2 FlexConnect APs.

Identifier	Headline
CSCwf22788	The **show wireless client summary detail** command does not show all IPv6 addresses.
CSCwh03842	Cisco Aironet 4800 Series AP beacons are missed intermittently on multiple BSSIDs.
CSCwh27366	Cisco Aironet 3800 Series AP experiences radio firmware crash.
CSCwf84639	Cisco Catalyst 9120 Series AP: XOR mode is not updated on the database.
CSCwe68984	Cisco Catalyst 9105 Series AP WGB does not send PMKID during reassociation.
CSCwe11213	Cisco Catalyst 9130 Series APs crash observed due to radio failure.
CSCwf18202	Cisco Wave 2 APs are not encrypting EAP identity requests after maximum retries.
CSCwf90946	Cisco Catalyst 9130 Series AP does not forward 802.1x identity request with wireless phones.
CSCwh44376	Allow RRM to assign channels and power levels on mesh APs.
CSCwf73002	Unable to remove port security configurations under Interface through NETCONF.
CSCwf53520	Kernel panic crash observed on Cisco Aironet 1815 Series AP.
CSCwf91445	The controller pushes accounting information for PSK local authentication WLANs.
CSCwd76693	Profile mismatch counter does not increase.
CSCwa25735	Cisco Aironet 1832 Series AP does not forward packets to the radio.
CSCwd79178	Cisco Aironet 1840 Series AP: OfficeExtend Access Point (OEAP) crashes due to radio recovery failure.
CSCwe24263	Cisco Catalyst 9130 Series APs: Inconsistent TX power levels advertised in the beacons.
CSCwd73627	Accounting session ID missing from the Cisco Wave 2 APs.
CSCwf93992	Cisco Aironet 2800 Series FlexConnect APs do not process EAP-TLS fragmented packets if there is a delay of more than 50 milliseconds.

Open Caveats for Cisco IOS XE Bengaluru 17.6.5

Caveat ID	Description
CSCwc32182	Cisco Aironet 1852 Access Point experiences radio firmware crash.
CSCwc75732	Cisco Aironet 4800 Access Point experiences radio firmware crash.
CSCwd10172	Cisco Catalyst 9115AXI Access Point deteccts invalid cookie and resets to ux domain.
CSCwd26693	The N+1 High Availability setup for FlexConnect APs are not working.
CSCwd46815	EAP-TLS is failing for the wired clients behind Mesh Access Points (MAP) in 2800/3800/4800/1562/6300 series APs.

Caveat ID	Description
CSCwd52745	Cisco Aironet 3802 Access Point experiences kernel crash.
CSCwd60034	Cisco Aironet 3800 Access Point experiences radio crash due to stuck beacon.
CSCwd79502	Controller is tracking stale entries due to which anchored client is getting IPv4 and IPv6 addresses at different VLANs.
CSCwd81523	Cisco Catalyst 9130 Access Point is not sending EAP_ID_RESP next assoc-req after Protected Management Frames (PMF) client tx deauth in middle of Extensible Authentication Protocol (EAP) handshake.
CSCwa14922	ICAP: Anomaly capture events for a client on Cisco Catalyst 9130 Access Point is often missing Packet Capture (PCAP).
CSCwb72924	FlexConnect client is intermittently unable to reconnect to an AP.
CSCwc10621	CleanAir statistics are not visible in Cisco Catalyst 9130 Access Points when joined to EWC.
CSCwc49970	Channel 165 is not allowed on Cisco Aironet 2800, 3800, 4800 Access Points.
CSCwd36552	Cisco Catalyst 9120 Access Point experiences vernel panic crash.
CSCwd41463	Cisco Aironet 3800 and 4800 Access Points stop sending Internet Group Management Protocol (IGMP) membership report.
CSCwd49166	Cisco Aironet 3800 Access Point is consistently reporting high QoS Basic Set Service (QBSS) load.
CSCwd83840	Wireless clients unable to connect to Cisco Aironet 1830 Access Point.
CSCwd08068	Cisco Aironet 1815W Access Point is crashing due to Out of Memory (OOM).
CSCwc99359	Rogue rule delete classification configuration is not working.
CSCwd76693	Profile mismatch counter is not increasing.

Open Caveats for Cisco IOS XE Bengaluru 17.6.4

Caveat ID	Description
CSCwa12204	Controller does not send the right Association IDentifier (AID) causing APs to not accept new clients.
CSCwa31596	High channel utilization is observed when 9 or more clients use MS TEAMS in a Cisco Catalyst 9130 AP.
CSCwc02477	Cisco Catalyst 9130 AP does not transmit Extensible Authentication Protocol (EAP) identity request.
CSCwc06293	Cisco Catalyst 9120 AP stops beaconing in either of the radios 2.4GHz or 5GHz.

Caveat ID	Description
CSCwa14922	Anomaly Capture events for a client in Cisco Catalyst 9130 AP is often missing Packet CAPture (PCAP).
CSCwb05569	Cisco Catalyst 9130 AP does not transmit beacons randomly.
CSCwb08291	Cisco Catalyst 9105AXW AP introduces latency when clients use RLAN ports.
CSCwc05350	CAPWAP MTU flapping occurs in COS APs due to asymmetric MTU between AP to controller and vice-versa.
CSCwc15898	Missing CleanAir data for 2.4GHz in Cisco Catalyst 9120 or 9130 series APs.
CSCwb77619	Four-way handshake is not completed in controller or Cisco Catalyst 9115 AP.
CSCwc05366	Wireless clients cannot reach each other as the ARP resolution fails when performing dynamic VLAN assignment using AAA.
CSCwc26105	High Availability split brain is observed in the controller due to multiple secondary address in the interface.
CSCwc40403	Users connecting to the dot1x SSID are disconnected with CO_CLIENT_DELETE_REASON_EXCLUDE_IP_THEFT delete code.
CSCwc42784	Client fails to connect when protocol based Quality of Service (QoS) is configured.
CSCwc51730	APs are unable to broadcast SSID after provisioning from Cisco DNAC.
CSCwc54370	Standby controller becomes the new active but does not send GARPs for Wireless Management Interface after joining High Availability pair again after network disconnection.
CSCwa93208	FlexConnect WLAN VLAN mapping disappears when using VLAN name defined in the Flex Profile.
CSCwb47040	Controller does not update RFID location properly.
CSCwb69343	6 GHz channels are displayed as 2.4 GHz when executing **show ap wlan summary** command.
CSCwb78191	AAA VLAN override is not considered during Identity PSK (iPSK) authentication and anchor WLAN.
CSCwc26819	Controller does not send Logical Link Control (LLC) or eXchange IDentifier (XID) spoofed frames after a mobility event.
CSCwc28408	Crash happens intermittently in the controller when WNCd critical process failed.
CSCwc32746	Site tags are not load balanced correctly for each WNCd process.
CSCwc36125	Radio Resource Management (RRM) startup mode is triggered in every reboot as the controller does not keep track of the last state.
CSCwc41903	The LISP RELIABLE REGISTRATION related Syslog needs to be enhanced.

Caveat ID	Description
CSCwc55632	Cisco Catalyst 9124 MAP fails to connect to Cisco Aironet 1562 RAP after the first reload of MAP.
CSCwc62749	Cisco Catalyst 9100 AP Plug and Play (PnP) is unable to resolve any public Network Time Protocol (NTP) server.
CSCwb79809	Upstream video traffic drops in Cisco Catalyst 9124 AP.
CSCwc38912	The Local Web Authentication (LWA) client gets deleted immediately when joining the Flex WLAN after a Site or Policy Tag update.
CSCwc49464	Cisco Catalyst 9115 and 9120 APs are stuck in boot loop due to signature verification failure.
CSCwc60964	Cisco Catalyst 9130 Series AP experiences kernel panic crash in NSS.
CSCwc64538	Cisco Catalyst 9100 AP does not transmit the directed broadcast over-the-air.

Open Caveats for Cisco IOS XE Bengaluru 17.6.3

Caveat ID	Description
CSCvy01360	Improving false radar detection in Cisco Catalyst 9105 Series APs, Cisco Catalyst 9115 Series APs, and Cisco Catalyst 9120 Series APs.
CSCwa12204	Controller does not send the correct association ID (AID), causing APs to reject new client associations.
CSCwa31596	Cisco Catalyst 9130 Series high channel utilization and client lags with 9 or more clients using MS Teams.
CSCwa42620	Cisco Catalyst 9130 Series APs drop packets on air, for Phoenix WinNonlin application.
CSCwa50159	Cisco Catalyst 9120 Series APs show high client count while the neighboring APs have very few clients associated.
CSCwa65318	Tx power for Microcell created by AP for slot 2 of Cisco Catalyst 9130 Series AP.
CSCwa67566	Cisco Catalyst 9800 wireless controller rejects clients with the wrong PMKID, when the client moves from FT-AKM to dot1x-AKM.
CSCwa68709	Cisco Catalyst 9115 Series APs report DFS on channels incorrectly.
CSCwa81175	Cisco Catalyst 9130 AP causes unexpected fragmentation of packets when using data encryption.
CSCwa81190	AP crashes due to null pointer de-reference.
CSCwa89335	Cisco Catalyst 9115 AP displays CAC behavior when it moves to another wireless controller.
CSCwa96198	Central Web Authentication clients in the Run state cannot go online.

Caveat ID	Description
CSCwa96247	Unmarking of dirty VLAN by link-local or any IPv6 address, in the controller VLAN pool.
CSCwa99904	Cisco Catalyst 9800 wireless controller deletes clients when DHCP RELEASE is sent by the client when WLAN is configured for 802.1x + Posture.
CSCwb01286	Memory leak in the WNCD process after the number of AP clients increase and decrease.
CSCwb06924	Cisco Catalyst 9800 wireless controller delays the transmission of the EAPOL M1 key.
CSCwb15884	Memory depletion observed in the FlexConnect deployment and high WAN latency.
CSCvz78284	The Celsius and Fahrenheit temperature ranges are swapped in the Information tab.
CSCvz95179	Country codes JP/J3/J2 to be removed from the configuration setup wizard.
CSCwa43403	Cisco Catalyst 9800 wireless controller deletes AVC statistics every 5 minutes.
CSCwa74884	Cisco Catalyst 9800 wireless controller sends incorrect payload information to the AP, when mesh RRM is enabled or disabled.
CSCwa79352	Traceback encountered on Cisco Catalyst 9800 wireless controller standby running 17.3.5EFT.
CSCwa82133	The controller crashes during the NMSPD process.
CSCwa93208	FlexConnect WLAN-VLAN mapping disappears if the same VLAN name defined in the Flex profile is used.
CSCwb04138	Fast Transition roaming fails due to PMKID validation failure.
CSCwb13026	The Stealthwatch netflow template does not export wireless netflow on the controller.
CSCwb15031	Clients unable to pass traffic completely after roaming using WPA2 OKC.

Open Caveats for Cisco IOS XE Bengaluru 17.6.2

Caveat ID	Description
CSCvz30697	Cisco Catalyst 9800 wireless controller (17.6.1) with Cisco Catalyst 9120 AP and Cisco Wireless IP Phone 8821, faces delays in voice downstream and has signalling issues.
CSCvz59068	Firmware crash observed in Cisco Catalyst 9117 Series APs.
CSCvz60269	In Cisco Catalyst 9130 Series APs, Sensord crash is observed after **off_channel RX timeout** request is sent.
CSCvz65712	Software crashes during WCPD process, when Cisco Catalyst 9130 Series APs are connected to the Cisco IOS XE Bengaluru 17.6.1 controller.

Caveat ID	Description
CSCvz93039	Cisco Catalyst 9120 Series APs crash due to kernel panic after an upgrade from Cisco IOS XE 17.3.3.26 to Cisco IOS XE 17.3.4.30.
CSCvz95745	The Cisco CleanAir interference devices are not merged in clusters.

Open Caveats for Cisco IOS XE Bengaluru 17.6.1b

There are no new open caveats for this release.

Open Caveats for Cisco IOS XE Bengaluru 17.6.1

Caveat ID	Description
CSCvx99197	Cisco Catalyst 9120 AP reloads unexpectedly after upgrading to 8.10.158.38.
CSCvy03953	Cisco Catalyst 9130 AP reloads unexpectedly due to kernel panic.
CSCvy32730	Controller reloads unexpectedly on Pubd process in evlib.
CSCvy52874	Cisco Catalyst 9115 AP reloads unexpectedly after loading the 17.3.3 ES6 image.
CSCvy72869	AP data for \"total frame error over air\" & \"multicast/broadcast counter\" are missing.
CSCvy79320	Ping loss increases after two days of reboot.
CSCvy85178	Cisco Aironet 4800 APs in Enhanced Local Mode (ELM) and Local Mode on same controller/RF group are detecting each other as honeypot.
CSCvy87104	Cisco AP is not accepting clients in 2.4 GHz.
CSCvy92854	Cisco Catalyst 9130 AP running 17.5.1 fast-locate records are not sent even when client is connected to the AP.
CSCvs06271	RRM AP transmit power is not moving into the maximum or minimum configured power.
CSCvy30091	Cisco Catalyst 9120 AP stops transmitting frames to Macbook after session reauth.
CSCvy76922	Memory leak is observed due to linux_iosd-imag.
CSCvy95842	Cisco AP with non-EWC image is being factory reset due to DHCP 43 option with type f2 is set.
CSCvy96765	Cisco Catalyst 9120 AP fails to forward packets.
CSCvy97180	Cisco Catalyst 9130 APs display 100% channel utilization.
CSCvz06937	Cisco Catalyst 9120 AP fimware crash is observed on radio 1.
CSCvy99116	Controller crashes after client connection timeout.
CSCvz09637	Wired Phones connected to mesh APs not able to pass the traffic with tagged VLAN.

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.8

Identifier	Headlines
CSCwi81972	Cisco Wave 2 APs to the check DELETE_VAP_PAYLOAD CAPWAP payload sanity before blindly deleting
CSCwj26848	Cisco Wave 2 APs to the check DELETE_VAP_PAYLOAD CAPWAP payload sanity before blindly deleting
CSCwj66429	Cisco Catalyst 9115 Series AP crashes with reload reason: Kernel Panic
CSCwj93906	Cisco Catalyst 9120 AP: Sending Msg:2 in mode:2 to hostapd failed
CSCwe81552	Transmit Power Control (TPC) not working as expected on the secondary radio operating on the 5-GHz band
CSCwh44793	Cisco Catalyst 9130 AP on 17.3.6 fails to join with error to set FT data in BSSID after site-tag is changed on the controller
CSCwh58099	After client deletion and Change of Authorization (CoA) terminate, the controller allows client reconnect
CSCwh68219	Cisco Catalyst 91xx APs are not processing EAP-TLS server 'Hello'
CSCwb16423	The mDNS service policy updation fails under SVI interfaces
CSCwh08892	The controller GUI only displays a blank page after the user login page due to malformed user pref json
CSCwh09642	IP Theft seen due to zone ID being 0x00000000
CSCwh33056	Policy tag description disappears after deleting WLAN location entries
CSCwi08147	The GUI does not allow modifying QoS policies without setting the "QoS SSID policy"

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.7

Identifier	Headlines
CSCwe42200	The controller configured on the radius server using Fully Qualified Domain Names (FQDN) is not properly updated on the Domain Name System (DNS) periodic update.
CSCwe81552	Transmit Power Control (TPC) not working as expected on the secondary radio operating on the 5-GHz band.
CSCwh58099	The controller allows the client to reconnect after client deletion and Change of Authorization (CoA) termination.
CSCwh68219	AP clients fail to authenticate through 802.1x using EAP-TLS.
CSCwh09642	IP theft seen in some site tags as the zone ID shows 0x00000000.
CSCwh33056	Policy tag description disappears after deleting WLAN location entries.

Identifier	Headlines
CSCwi08147	The controller GUI does not allow modifying QoS policies without setting the QoS SSID policy.
CSCwe11213	Cisco Catalyst 9130 AP crashes due to radio recovery failure.
CSCwf13107	SCB Mismatch: Radio ends abnormally during longevity test with Cisco Catalyst 9105 AP.
CSCwf13804	APs randomly fail to onboard new client associations with **netlink_socket_receive multicast_group 1 return failure: No buffer space available** errors.
CSCwf53520	Cisco Aironet 1815 AP experiences kernel panic crash.
CSCwh19988	CG platforms require AP806 WDT to allow reboot.
CSCwh33190	Cisco Catalyst 9115 AP (Local mode) ends abnormally due to kernel panic.
CSCwh54762	Cisco Catalyst 9120 AP ends abnormally due to kernel panic.
CSCwh59543	Radio firmware and CAPWAPd ends abnormally during scale longevitiy in Cisco Catalyst 9120 AP.
CSCwh61011	Cisco Catalyst 9120 APs and 9115 APs unexpectedly disjoin from the controller and are not able to establish DTLS again.
CSCwh63270	Cisco Catalyst 9130AXI APs crash due to radio failure.
CSCwh68360	Cisco Catalyst 9120 AP experiences kernel panic.
CSCwh74663	Cisco Aironet 2800/3800/4800 APs, Cisco Aironet 1560 Outdoor AP, and Cisco Catalyst IW6300 Heavy Duty Series APs do not send QoS data frames downstream.
CSCwh81332	Cisco Catalyst 9130 APs experience kernel panic crash after an upgrade to Cisco IOS XE Bengaluru 17.6.6.
CSCwh92425	Cisco Catalyst 9130 or 9136 APs do not respect the Power Save mode.
CSCwi19481	Cisco Catalyst 9130 APs in Flex mode stop forwarding router advertisements after 4 to 6 hours of uptime.
CSCwi28172	Cisco Catalyst 9120 AP kernel panic observed.
CSCwi67013	Cisco Aironet 2800 AP in Taiwan domain does not send WiFi signals in channel 52, 120, 124, and 128.
CSCwi92439	Cisco Aironet 1815 APs are reporting high channel utilization in 5Ghz.
CSCwi96089	Cisco Wave 2 APs do not plumb keys after session timeout reauthentication.
CSCwf91445	Controller pushes RADIUS accounting information to the AP when SSID is configured for local authentication with PSK as AKM.
CSCwh20944	Cisco Catalyst 9120 AP ends abnormally due to kernel panic.

Identifier	Headlines
CSCwh27366	Cisco Aironet 3800 AP radio firmware crash reset code 2 with crash signature gdp
CSCwh27425	Cisco Catalyst 9115AX AP does not forward a part of the CAPWAP data packets to the uplink direction.
CSCwh50681	New SSID is broadcasted after a wireless upgrade.
CSCwh50813	The channel set fails when Cisco Aironet 1800 or 1500 APs try to come out after Dynamic Frequency Selection (DFS) NOL list.
CSCwh62342	AP FlexConnect as mDNS gateway does not respond correctly when the LSS filter is enabled in 5-GHz band.
CSCwh75431	Cisco Aironet 1830 and 1850 APs report false high channel utilization causing performance issues in 5-GHz band.
CSCwi05672	Cisco Catalyst 9130 AP wireless driver does not decrypt the packet when IP packets are sourced from some wireless clients.
CSCwi06055	Cisco Cisco Industrial Wireless 3702 AP radios are reset and remain down when the board temperature is less than -20 C.
CSCwi22270	Cisco Catalyst 9120 AP: Radio crash observed during longevity run.
CSCwi52692	Cisco Catalyst 9130 AP UPOE Spare Pair turn off CDP TLV message.
CSCwi91970	Transmission stuck issue is observed when Cisco Catalyst 9120 AP detects any radar event.
CSCwi92913	Cisco Catalyst 9105 and 9115 Series APs report false radar detection.

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.6a

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 Bengaluru 17.6.6

Identifier	Headline
CSCwe38431	Controller remarks SIP packets from CS3 to CS0 in upstream or downstream when voice Call Admission Control (CAC) is configured.
CSCwc32182	Cisco Aironet 1852 AP experiences radio firmware crash.
CSCvw70260	Cisco Aironet 1572EAC AP does not respond to the Canadian EIRP regulation.
CSCwf34100	Samsung device (Galaxy Tab S6 Lite - P610K) association is rejected with status code 40.

Identifier	Headline
CSCwe07297	Cisco Catalyst 9120 AP reloads unexpectedly due to radio firmware crash.
CSCwc49970	Channel 165 is not allowed in Cisco Aironet 2800, 3800, and 4800 Series APs.
CSCwf22246	Cisco Catalyst 9130 AP does not include the management frame count calculation across Access Points chipsets.
CSCwf92148	Cisco Catalyst 9120 AP does not disable High Efficiency (HE) with dual 5-GHz in Slot 0.
CSCwd60034	Cisco Aironet 3800 AP radio reloads unexpectedly when beacon is stuck.
CSCwe12057	Controller Quality of Service (QoS) page does not load when ACL has double quotes as special character in the name.
CSCwd98332	Controller crashes after failing to match the interface ID in the anchor message.
CSCwe84267	Cisco Catalyst 9115 AP does not transmit the first CAPWAP data keepalive on wire during Flex N+1 failover.
CSCwe49267	Controller does not send the group temporal key (GTK) M5 packet to 8821 phone after Fast Transition (FT) roaming between wncds.
CSCwf32342	Client is unable to roam successfully and pass traffic in SDA environment.
CSCwf83278	Client traffic fails with N+1 when Cisco Catalyst 9120 AP sends CLIENT_DEL_STOP_REASSOC.
CSCwd49166	Cisco Aironet 3800 AP consistently reports high QoS Basic Set Service (QBSS) load.
CSCwf11117	Cisco Catalyst 9120 AP deauthenticates the workgroup bridge continuously after roam.
CSCwf71906	Controller does not plumb IPv4 address in IP Source Guard (IPSG) datapath in CWA SSIDs for clients with single IPv4 address.
CSCwf24468	The **show wireless client detail sum** command displays ipad (10 generation) as not classified and unknown device.
CSCwd63516	Cisco Catalyst 9120 Access Point sometimes fail the EAP-TLS port authentication as password cannot be decrypted.
CSCwd83841	Access Point does not send packets from wired interface to subnet 192.168.129.0/24.
CSCwd83840	Wireless clients are unable to connect to Cisco Aironet 1830 AP.
CSCwd52745	Cisco Aironet 3802 AP experiences kernel crash.
CSCwe19858	Cisco Catalyst 9130 APs display incorrect **Local power constraint** value in management frames.
CSCwd77188	Cisco Aironet 3802 AP broadcasts different power values in beacon country IE.
CSCwf68131	Cisco Catalyst 9105AXW AP fails to boot when number of bad blocks are greater than 90.

Identifier	Headline
CSCwd95618	The **device-tracking binding reachable-lifetime** command does not work on the controller.
CSCwb72924	FlexConnect client is unable to reconnect to an AP.
CSCwe91394	Aeroscout T15e (Third-party device) tags attached to medical devices do not report temperature data due to extra bytes.
CSCwf10839	Bursts of Virtual Router Redundancy Protocol (VRRP) traffic sent from controller and switch port remains down when storm-control action is configured.
CSCwf77030	CSV file import fails when static AP mapping table already contains few entries.
CSCwf07384	Wired client behind Cisco Catalyst 9105 AP fails to pass traffic.
CSCwf57471	Controller GUI hangs when Application Visibility and Control (AVC) profile is enabled with special characters.
CSCwf65794	Cisco Aironet 1852 AP crashes due to radio failure.
CSCwd77823	Cisco Catalyst 9130 AP experiences random radio firmware reload.
CSCwf07264	WNCd crash is observed when accessing Crimson database.
CSCwe45553	One-shot error is displayed when applying AP Model Service Pack (APSP) on controller.
CSCwe67810	Cisco Wave 2 APs in FlexConnect standalone mode experiences client disconnections for DHCP renewal after 18 CAPWAP discovery request without any response.
CSCwe55390	Spectralink Versity 9553 phones experience sporadic and robotic voice delays during a short period after Fast Transition (FT) roaming between Cisco Aironet 3802 APs.
CSCwe18185	Cisco Catalyst 9130 (VID03) AP does not have the "iox.tar.gz" file in Day 0 factory image.
CSCwd07298	Higher Packet loss is observed during 8821 voice call.
CSCwf88890	The **Monitoring** > **Wireless** > **AP Statistics** page does not load in the GUI for Cisco Aironet 3800 AP.
CSCwd90472	Wireless device tracking fails while adding static IP and MAC bindings.
CSCwf76119	Clients after a Change of Authorization (CoA) is allowed network access for a short duration using cached PMK.
CSCwd79645	Wireless client cannot communicate after session timeout when AP drops once during the session.
CSCwe22625	Controller GUI login screen appears blank when ampersand is used in username.
CSCwb51757	APs intermittently report high channel usage in 5-GHz radio with 40 MHz.

Identifier	Headline
CSCwf52815	Cisco Wave 2 APs improve PMTU discovery mechanism to honor the ICMP unreachable maximum transmission unit (MTU) value.
CSCwd56391	Controller does not provide RSSI location data for some of the RFID tags in database.
CSCwe00848	Cisco Catalyst 9105 AP randomly reloads with **Kernel panic - not syncing: Fatal exception** error message.
CSCwe15172	The image download space check in /tmp is 40000 only, most of the AP image has more than 60-MB.
CSCwe96206	Clients are unable to roam between APs with WPA3 enterprise SSID and SuiteB192.
CSCwf40430	Mobile devices cannot prompt incorrect password in Cisco Catalyst 9130 AP or controller after PSK SSID password is changed.
CSCwe92462	Client data rate displays greater value in Assurance Client dashboard.
CSCwf31925	Controller does not send reassociation response for Fast Transition (FT) reassociation request with RIC for TID 0.
CSCwa93884	Cisco IOx application experiences installation failure during application activation phase.
CSCwd36552	Cisco Catalyst 9120 AP reloads unexpectedly with kernel panic - not syncing: fatal exception.
CSCwe30473	Cisco Wave 2 APs radio firmware reloads unexpectedly when queue is stuck.
CSCwe52756	Cisco Catalyst 9120 AP sends RTS with 6 Mbps when the rate is configured as unsupported.
CSCwe82287	AP does not allow a PMF WPA3 client to associate after the client sends deauthentication by itself.
CSCwe30572	Cisco Wave 2 APs leak Network Address Translation (NAT) IP from Cisco IOx application.
CSCwf28105	Cisco Catalyst 9130AX AP experiences kernel panic.
CSCwd91054	Cisco Wave 2 APs are not encrypting EAP_ID_REQ after M1 to M4 and not updating PMKID for dot1x OKC.
CSCwf94863	Cisco Catalyst 9115 AP experiences kernel panic when PC or LR is at drop_pagecache_sb+0x78/0x110.
CSCwf54827	Wireless client is deauthenticated after idle timeout.
CSCwf95868	Single band BCM WGB radio 0 Transmission power decrease by nearly 20 dBm while configuring the antenna number.
CSCwe91264	AP crashes when PC and LR are at get_partial_node.isra.

Identifier	Headline
CSCwf28550	Controller and Cisco Catalyst 9124 AP are unable to get wired client information from workgroup bridge.
CSCwe07802	Cisco Wave 2 APs drop upstream Extensible Authentication Protocol (EAP) packets.
CSCwe91371	Cisco Catalyst 9130 AP does not transmit beacons.
CSCwe18012	Crash is observed in the standby controller when saving QoS table to standby.
CSCwe17920	Cisco Catalyst 9124 AP does not forward traffic to workgroup bridge after a session timeout.
CSCwa36515	**% Error: AP is already in the requested state** syslog message is printed while changing AP location using controller GUI.
CSCwf44027	The username is missing randomly for wireless 802.1x clients in GUI or CLI.
CSCwd41463	APs intermittently stops sending Internet Group Management Protocol (IGMP) membership report.
CSCwf50177	Cisco Catalyst 9105AXW AP experiences large number of bad blocks.
CSCwf04748	AP crashes due to CALLBACK FULL reset radio error.
CSCwd88150	Cisco Catalyst Cellular Gateway 522 device lost certificate after each reload.
CSCwe42302	Root certificates of Cisco Catalyst Cellular Gateway (CG) 522 are lost after each reload.
CSCwa86015	Cisco Catalyst 9120 Series AP experiences kernel panic crash.
CSCwf54714	Controller reloads unexpectedly.
CSCwd08068	Cisco Aironet 1815W AP crashes due to out-of-memory issue.
CSCwd03205	WGB wired clients connected to RAP in local mode, sends upstream broadcast packets and causes out-of-memory on the RAP.
CSCwf42824	Cisco Catalyst 9105AXW Series APs do not recover after upgrade.
CSCwe87973	Cisco Aironet 3800 Series AP reloads unexpectedly due to FIQ/NMI reset.
CSCwd46815	Cisco Aironet 2800/3800/4800/1562 Series APs and Cisco Catalyst IW6300 Heavy Duty Series APs: EAP-TLS fails for wired clients behind MAP.
CSCwf25869	Radio core crashes due to TCQ stuck state with frequent channel changes.
CSCwf32806	Controller reloads unexpectedly with "Critical process wncd fault on rp_0_0 (rc=134)".
CSCwe82892	Clients connected to FlexConnect AP with profile policy having VLAN 1 ID is assigned to VLAN 1 instead of native VLAN.
CSCwe62694	Controller EVENTLIB-3-CPUHOG Traceback observed.

Identifier	Headline
CSCwe32853	Cisco Catalyst 9124AXI AP does not forward RLAN traffic to the upstream network.
CSCwe25446	Unexpected reboot due to Wireless Network Control Daemon (WNCD) in Cisco Catalyst 9000 Switches.
CSCwf92100	Embedded Wireless Controller (EWC) preferred active configuration is lost after updating CAPWAP AP configuration on GUI.
CSCwe06561	Not possible to delete EWC core system report files, if AP is changed to CAPWAP mode.
CSCwe35906	Radio firmware crash experienced in Cisco Catalyst 9117 Series AP.
CSCwe74874	Cisco Catalyst 9120 Series AP experiences kernel panic.
CSCwf87281	Segmentation fault on the controller due to NULL timer.
CSCwh17592	Cisco Catalyst 9130AXI Series AP Slot 1 does not announce High Throughput (HT)/Very High Throughput (VHT)/High-Efficiency (HE) capabilities when dual radio is enabled.
CSCwe76817	Cisco Wave 2 AP logs display CAPWAP MTU discovery issues.
CSCwd68141	Rogue containment details not shown in the **show wireless wps rogue ap detail** command.
CSCwe01579	WNCD process crashes unexpectedly in a large scale setup.
CSCwe66730	Dynamic Channel Assignment (DCA) assigns wrong channels after Dynamic Frequency Selection (DFS) events.
CSCwe35285	Controller to delete client for the EAP authentication to go through.
CSCwf13879	Cisco Catalyst 9800-CL Wireless Controller crashes unexpectedly.
CSCwf88588	AP manager crashes due to ISSU upgrade, causing the controller to go into boot loop.
CSCwf09008	Cisco Catalyst 9800-CL Wireless Controller crashes with "Last reload reason: Critical process wncd fault on rp_0_0 (rc=139)".
CSCwf62051	Cisco Aironet 1815W AP crashes due to kernel panic.
CSCwh35072	Cisco Aironet 3800 Series AP reloads unexpectedly due to FIQ/NMI reset.
CSCwe27839	Kernel panic observed on Cisco Catalyst 9120 Series AP.
CSCwe80617	Wireless clients are unable to connect to Cisco Aironet 1830 Series AP after an input or output error message.
CSCwf44483	The 5-GHz radio is operationally down in the -A domain APs in Panama.
CSCwf90646	Controller sends two CAPWAP control payloads for DOT11R_WLC_MAC_IP_PAYLOAD with the same sequence numbers.

Identifier	Headline
CSCwd74571	WCPd reloads unexpectedly due to reuse of freed packets.
CSCwd96376	Unable to login to the controller GUI or command line interface with a user created by Day 0 wizard.
CSCwf09259	AP LED flash automatically turns on after reboot.
CSCwf67316	APs may not detect radar on the required levels after CAC time.
CSCwe42211	EWC Time Offset is not updated on the GUI.
CSCwe63089	LED on APs turning white randomly.
CSCwf22225	Cisco Catalyst 9120 Series AP: Probes and beacons are not included in the management frame count across AP chipsets.
CSCwe74895	Controller crashes when running AP packet capture.
CSCwe15338	Cisco Catalyst 9120 Series AP: AP does not respond to client's probe or authentication due to the TX STUCK issue.
CSCwf12104	Unable to downgrade the Cellular Gateway device through the vManage GUI.
CSCwh08625	Cisco Catalyst 9120 Series AP experiences kernel panic crash.
CSCwe14729	Controller reboots due to memory corruption when processing DHCP Option 82.
CSCwd79502	Controller device tracks stale entry due to the anchored client receiving IPv4 and IPv6 in different VLANs.
CSCwe71081	Login error observed in macOS with guest login.
CSCwe38480	The controller EPC inner filter captures CAPWAP data fragments and CAPWAP control not filtered by MAC.
CSCwf15582	Cisco Wave 2 AP radio reloads unexpectedly due to the beacon being stuck.
CSCwf45495	Cisco Catalyst 9130 Series APs fail to start CAPWAP due to interface reset every 52 seconds, during the DHCP process.
CSCwf86242	The controller reloads unexpectedly with CAPWAP window size set to 0.
CSCwf29742	Cisco Catalyst 9120 Series AP: Firmware crashes when running multicast and longevity with more than 80 clients.
CSCwf64009	Cisco Aironet 1815 Series AP drops RLAN and VLAN traffic with looped port.
CSCwe74653	Cisco Wave 2 APs do not send the delete reason to the controller, resulting in stale entries.
CSCwf63818	Kernal panic crash observed on Cisco Aironet 1830 Series AP.
CSCwf07605	Cisco Catalyst 9105 Series AP and Cisco Aironet 1815 Series APs MAC device can not get an IP address in the Ethernet port after AAA VLAN override.

Identifier	Headline
CSCwc75732	Firmware radio reloads unexpectedly on Cisco Aironet 4800 AP.
CSCwd81523	Cisco Catalyst 9130 Series AP do not send EAP_ID_RESP after PMF client TX deauthentication, in the middle of EAP handshake.
CSCwe99957	The controller does not respond to keepalive from the AP after AP disconnect.
CSCwh20934	Cisco Wave 2 AP reloads due to Systemd critical process crash.
CSCwf30516	The starting position of each attribute in the **show** command should be fixed irrespective of size of the string.
CSCwe11547	RRM process crashes on the controller.
CSCwd59921	Cisco Catalyst 9130 Series AP drops EAP-TLS frames.

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.5

Caveat ID	Description
CSCwd40731	AP reloads due to kernel panic.
CSCvx32806	Cisco Wave1 APs are stuck in bootup loop due to image checksum verification failure.
CSCwa39598	iOX app fails to install on the Cisco Catalyst 9130, 9120, and Cisco Aironet 4800 APs.
CSCwa86610	Cisco Aironet 2802 and 3802 APs are crashing due to kernel panic.
CSCwc24994	Cisco Aironet 3800 AP crashes due to kernel panic.
CSCwc55632	Cisco Catalyst 9124 MAP is failing to connect to Cisco Aironet 1562 RAP after first reload of
CSCwc75102	AP conversion to CAPWAP via DHCP Option 43 is not working.
CSCwc78435	Cisco Catalyst 9130 AP is sending incorrect channel list on out of band Dynamic Frequency Se causing client connectivity issues.
CSCwc94898	A workgroup bridge (WGB) AP is stuck in Extensible Authentication Protocol over LAN (EAl
CSCwd00751	Cisco Aironet 2802 AP crash is observed.
CSCwd02898	Cisco Catalyst 9300 switch is not flushing remote MAC address after roaming to a local AP.
CSCwd08259	Cisco Catalyst 9120, 9115, and 9105 APs: Radio firmware crash is observed.
CSCwd10570	Cisco Catalyst 9130 AP sends beacon with incorrect datarates; different rates are sent for same BSSIDs.
CSCwd24275	IPReassembler element strips last 20 bytes of last fragment.
CSCwd39605	Cisco Catalyst 9117 AP reloads unexpectedly due to kernel panic.
CSCwd55757	Wave 2 APs are crashing: Systemd critical process crash - dnsmasq-host.service failed.

Caveat ID	Description
CSCvv96364	WCPd crash is seen on Cisco Aironet 3800 APs.
CSCvx80422	AP drops packets addressed to 10.128.128.127 or 10.128.128.128.
CSCwb07001	Cisco Catalyst 9166I AP in FlexConnect local-auth mode keeps rebooting when Federal Inf Standard (FIPS) is enabled with dot1x security client.
CSCwb96560	AppHost: App install fails when USB state is disabled in ap-join profile.
CSCwc05350	Cisco Wave 2 APs: CAPWAP maximum transmission unit (MTU) flaps due to asymmetric M and vice versa.
CSCwc15898	Cisco Catalyst 9120 and 9130 APs: CleanAir data for 2.4-GHz is missing.
CSCwc31331	Cisco Catalyst 9130 AP unexpectedly reloads.
CSCwc38912	Local Web Authentication (LWA) client is immediately deleted when joining FlexConnect site tag or policy tag.
CSCwc51894	Cisco Catalyst 9117 AP reloads unexpectedly due to kernel panic.
CSCwc56774	A WGB with static IP loses its IP address after multiple roams.
CSCwc71198	CAPWAP flap occurs when Virtual Router Redundancy Protocol (VRRP) version3 is prese
CSCwc72194	Cisco Catalyst 9120 AP: Radio core dump is observed.
CSCwc73462	In FlexConnect groups configuration, backslash(\) at the end of the shared secret (for Radiu
CSCwc81341	Cisco Catalyst 9130 AP: Kernel panic crash is observed with memory corruption with ICA
CSCwc87688	Cisco Catalyst 9120 AP shows high noise levels on 5-GHz radio.
CSCwc89719	Cisco Aironet 1832 AP crashes due to radio failure.
CSCwc96683	Cisco Wave1 APs n FlexConnect local-switching mode is not forwarding IP fragmented pa
CSCwd03803	Cisco Aironet 1815I AP is rebooting -PC is at edma_poll / LR is at dma_cache_maint_page
CSCwd19631	Cisco Catalyst 9120 AP cannot operate in mGig when EEE is enabled on switchport.
CSCwd21996	Cisco Catalyst 9120 AP: CleanAir sensor is crashing.
CSCwd46091	Cisco Catalyst 9105AXI AP is requesting 30 watts of power instead of 15.4 watts.
CSCwd48118	AP saves only 31 characters instead of 32 for site tag causing the AP to go into misconfigu
CSCwd52385	AP is not initiating Google Remote Procedure Calls (gRPC) connection to Cisco DNA Cen expiry.
CSCwd60376	Cisco Catalyst 9120 AP: Kernel panic is observed.
CSCvy53756	A pubd crash is observed in 200-AP mesh configuration with telemetry subscriptions.

Caveat ID	Description
CSCwa98980	Controller crashes in WNCd process when handling an EAP-NAK.
CSCwb15031	Client is not able to pass traffic after roaming using Wi-Fi Protected Access Version 2 (WPA2) Caching (OKC).
CSCwc05366	Wireless AAA Dynamic VLAN Assignment: Wireless clients cannot reach each other.
CSCwc15533	Continuous wncmgrd CPUHOG traceback with scale Flexible NetFlow (FNF) mapping to polic utilization.
CSCwc15944	Multicast data is not sent to clients; some APs unable to join.
CSCwc36910	cEdge device pushes wrong syntax.
CSCwc42784	Client fails to connect when protocol based QoS is configured.
CSCwc55153	Packet destined for Layer2 socket application gets delivered to Layer3 socket application.
CSCwc55982	Stale entry is observed in the **show wireless device tracking database ip** command output afte
CSCwc57227	Controller wncd crash is observed.
CSCwc59518	Cisco Catalyst 9800-80 controller crashes with the reason: Critical process wncd fault on rp_0_
CSCwc68682	Link goes down due to local fault.
CSCwd04571	Memory leak is observed in wncd process when under load.
CSCwd06001	Linux iosd crash is observed on standby controller during reload of the Cisco Catalyst 9800-L
CSCwd08165	Controller is accounting wrong class attribute in accounting packets.
CSCwd08678	Timer is not running; stale client are not deleted by the controller.
CSCwd12135	IOSXE crash on Pubd core@green_be_rec_marshal_inline while remove/add telemetry server
CSCwd38069	Multicast Domain Name System (mDNS)-gw Location Specific Services (LSS) is not filtering services and Radio Resource Management (RRM) neighbor radio start 00XX.
CSCwd46721	IP theft occurs due to client stale entries in ODM database.
CSCwd63665	Cisco Catalyst 9800-80 controller shows consistent high CPU utilization in wncd with 200 APs
CSCwd63861	SIGSEGV crash is observed when incrementing roaming statistics.
CSCwb78191	AAA VLAN override is not considered during Identity PSK (iPSK) authentication and anchor
CSCwc18004	PI is not displaying/process AP disassociate snmp-trap from controller.
CSCwc26819	Controller is not sending Logical Link Control (LLC) or XID spoofed frames after a mobility e
CSCwc28408	WNCD crash on co_fetch_mbssid_from_rbssid.
CSCwd04025	PI 3.10.1: APs associated with controller is showing interface as \"Half duplex\".

Caveat ID	Description
CSCwd23681	Controller fails to update AP configuration with error \"% Error: no ap_name exists\".
CSCwd32107	Ignore CAPWAP_PAYLOAD: AP_LAN_CONFIG payload has wrong RLAN port enable v 2700 AP.
CSCwd34890	Clients are getting deauthenticated imediately after getting IP address in a configuration that ha + local switching + central authetication.

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.4

Caveat ID	Description
CSCwb99144	Controller reloads unexpectedly due to Multicast Domain Name System (mDNS).
CSCwa09693	PMK-Propagation bulk sync failures are observed with scaled setup.
CSCwa70649	Improve serviceability to figure out the reason as to why the controller blacklists 802.11w c
CSCwa99904	Controller deletes client when DHCP RELEASE is sent by client during posture.
CSCwb17255	WNCD platform state displays as DEAD for **show aaa servers** output.
CSCwb21141	WLANs do not get pushed to APs in a single instance because **wlan status** is not updated a
CSCwb24037	Client gets stuck in **Authenticating** state after failing GTK broadcast rotation.
CSCwb37940	Controller blacklists 802.11w client due to **CO_CLIENT_DELETE_REASON_EXCLU**
CSCwb39307	AAA server does not mark as UP even when it is reachable and client does not get authentic
CSCwb69531	Controller initiates Extensible Authentication Protocol over LAN (EAPOL) reties for the cl
CSCwb73136	Clients are unable to pass traffic in RUN state after CoA is completed.
CSCwb80500	WNCD process experiences memory leak due to unknown responses from the RADIUS ser
CSCwa74884	Controller sends the wrong payload information to AP when mesh RRM is enabled or disab
CSCwa87435	Controller sends duplicate NS frame as unicast to wireless client or WGB and blocks the du (DAD) process.
CSCwa91689	Logging message is not seen when load profile threshold is moved to passed or failed for 2.
CSCwa95336	Static workgroup bridge (WGB) client does not move to RUN state in the controller.
CSCwb05825	MAC authentication bypass (MAB) client does not move to the exclude state during a MAB
CSCwb43261	Packets drop in Cisco Catalyst 9800-CL or 9800-L Wireless Controller when call snooping
CSCwb45637	Samsung devices with more than 1 character Country code do not get classified properly.
CSCwb63861	**wireless wlan clear-refcount** command does not accept WLAN or policy names with spec

Caveat ID	Description
CSCwb64761	Controller discards location updates from radio frequency identification (RFID) tags.
CSCwb67450	The **show process cpu platform sorted** command is critical to monitor some Cisco Catalyst 98 Controller platform issues.
CSCwb93513	Stale client entries are not deleted automatically nor by clear commands and stuck on device-tr
CSCwa06456	Cisco Catalyst 9130 AP radio experiences a radioFW crash causing network down.
CSCwa08478	Cisco Aironet 4800 AP crash core file observed after 4 days uptime with console message: '[cn 0x9201=GetRadioStatus'.
CSCwa42620	Cisco Catalyst 9130 APs drop traffic on air for Phoenix WinNonlin application.
CSCwa54943	COS APs with RLAN port connecting to the device running LLDP reboots due to Out of Mem
CSCwa65318	Transmission power for slot2 is set to the lowest power level (-2dbm or -4dbm) due to which c join.
CSCwa75901	Radio recovery fails when Cisco Catalyst 9117 beacon is stuck.
CSCwa88621	Cisco Catalyst 9120AXI AP - capwapd.service failed.
CSCwa90871	Cisco Catalyst 9120 AP running Cisco IOS XE 17.7.1.11 experiences software crash in wcpd p
CSCwa96198	Central Web Authentication (CWA) clients with Run state cannot go online even though it is in
CSCwa96429	COS AP disconnects from the controller after CTS switchport configuration.
CSCwb05556	AP does not send multicast data till it snoops IGMPv2.
CSCwb08755	Cisco Catalyst 9130 or 9120 AP in FlexConnect mode does not send Security Association (SA
CSCwb09248	High latency and drops observed when associated with Cisco Catalyst 9130 AP.
CSCwb11711	Cisco Catalyst 9120 or 9130 APs in FlexConnect send Association reject after first successful
CSCwb19448	Cisco Catalyst 9117 AP crashes due to kernel panic in **cisco_wlan_crypto_decap**.
CSCwb23976	Cisco Catalyst 9117 AP crashes due to Kernel Panic **dp_print_host_stats**.
CSCwb30993	Cisco Catalyst 9117AXI-E AP experiences kernel panic crashes.
CSCwb36531	Cisco Catalyst 9130 AP is unable to process fragmented EAP frames from client when perform
CSCwb38948	Cisco Catalyst 9124 AP: Sometime MAPs are no longer able to join RAP for security failures.
CSCwb53348	Cisco Catalyst 9130 APs generate radio coredumps.
CSCwb68720	AP sends the address resolution protocol (ARP) packet without VXLAN encapsulation.
CSCwb70757	Cisco Catalyst 9130 AP crashes due to kernel panic.
CSCwb91830	Possible radio reset loop when bootup.

Caveat ID	Description
CSCwb93281	Cisco Catalyst 9130 AP crashes due to dp_soc_deinit_wifi3+0x354/0x3c0.
CSCwb94209	Mode reset button does not clear CC mode and console blocking configuration in Cisco Ca
CSCwb95980	Cisco Catalyst 9130 AP Kernal crash - PC is at _ZN10CACMetrics25accumulate.
CSCwc03853	SJC24 Alpha Cisco Catalyst 9105 OEAP RLAN1 poe stopped working in Cisco IOS XE 17
CSCwc09461	Cisco Catalyst 9120 APs delay authentication response frame.
CSCwc20929	APP-hosting segmentation does not work in Cisco Catalyst 9100 AP or Cisco Catalyst 9800 S and Cisco IOS XE 17.6.3.
CSCvx51916	Cisco Catalyst 9120 AP displays **ASLR ENTROPY INSUFFICIENT** messages.
CSCvz90902	Cisco Catalyst 9130 AP Probe suppression for Macro-Micro cell client steering does not wo
CSCwa33537	Cisco Catalyst 9117AX AP radio reloads unexpectedly due to partial command issues.
CSCwa48648	Wireless devices receive Invalid Fast Transition (FT) IE when using FT over-the-ds to roan
CSCwa53727	Cisco Catalyst 9117AX AP reloads unexpectedly at cmnos_thread.c:3493.
CSCwa72688	Template attach fails when using authentication type NONE for profile.
CSCwa76008	The "Channel Center Segment 0" value in " VHT Operation Info" is set to "0" using Cisco A
CSCwa85088	Wired client behind Cisco WGB does not take the DHCP IP address.
CSCwb15328	Kernel panic is observed at wlc_fifo_index_peek+0x68/0xa0 [wl].
CSCwb16086	Kernel panic is observed at ieee80211_bsscolor_update_bsscolor_list.
CSCwb45599	AP crash is observed when PC is at ppr_create_prealloc+0xbc.
CSCwb73294	Cisco Catalyst 9105 AP displays low throughput in 2.4GHz with AX clients and adjacent c
CSCwb76882	Cisco Catalyst 9130 AP detects its own BSSID as Rogue in 5GHz channel.
CSCwb90245	Cisco Catalyst 9120 AP radio dumps core.
CSCwb98247	AP crash observed in wlan_objmgr_peer_release_ref running Cisco IOS XE 17.3.5.
CSCwc07002	AP crash kernel panic is observed at pci_generic_config_read.
CSCwb25655	Functional SJC Cisco Catalyst 9136i AP experiences gRPC crash in ap-17.8.0.112.

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.3

Caveat ID	Description
CSCwa23632	Cisco Catalyst 9800-80 Wireless Controller crashes on 17.3.4 ES9 image.

Caveat ID	Description
CSCwa24836	Cisco Catalyst 9120 or 9130 AP leads to CAPWAP process crash loop when AP management p white spaces.
CSCvy63924	Controller crashes after running the **show telemetry ietf subscription all** command.
CSCvz39796	CPU HOG messages and tracebacks are noticed during RRM noise report process.
CSCvz45305	Missing fields are observed when the controller sends the sleeping client access-request.
CSCvz52986	Cisco Catalyst 9800-80 Wireless Controller crashes when running Cisco IOS-XE 17.3.4.
CSCvz59191	Cisco Catalyst 9120, 9130, and 9124 APs do not send NDP packets on slot 1.
CSCvz64802	The controller gets reloaded when memory corruption occurs in WNCD.
CSCvz67166	The controller drops CAPWAP connections when the WNCD CPU is high.
CSCvz89741	Cisco DNA Center experiences performance issue. Controller sends a large number of events for n with the AP having maximum number of clients.
CSCvz94267	Cisco Catalyst 9130 APs reload unexpectedly after upgrading to 17.3.4 and applying the ESW7
CSCvz95465	Cisco Catalyst 9117 AP reloads unexpectedly due to kernel panic error.
CSCvz95745	Controller displays multiple interference devices with the same device type and different Cluste CleanAir.
CSCvz99288	Cisco Catalyst 9130I AP reloads unexpectedly in Hostapd due to unhandled level 1 translation
CSCwa06321	Parameter change in WLAN resets the Cisco Catalyst 9120 AP radio.
CSCwa07257	APs stop authenticating clients using Flex Local Authentication.
CSCwa15931	Cisco Catalyst 9124 AP experiences low SNR MAP disconnects with RAP when traffic is exec RAP.
CSCwa18545	Cisco Catalyst 9120 AP starts beaconing with client TIM even when the client is replying to Q
CSCwa20681	Dual Band Radio 0 allows only -3 Tx power when the radio operates in 5-GHz.
CSCwa23659	Controller stops accepting APs to join when no response is received from AP after a DTLS Cli
CSCwa26602	Wired printers cannot discover using **flex mdns gateway** as AP does not query for universal._s universal._sub._ipps.
CSCwa27041	Controller experiences unexpected reboot with Network Mobility Services Protocol (NMSP).
CSCwa30458	High CPU is observed in the controller when **rif_mgr** process is provoked.
CSCwa33929	Wireless clients get stuck in the IP Learn state after rebooting the controller.
CSCwa38125	Cisco Catalyst 9130 AP experiences kernel panic crash in the monitor path.
CSCwa49981	Cisco Catalyst 9130 AP crashes due to frequent radio resets.

Caveat ID	Description
CSCwa52449	Cisco Catalyst 9117 AP experiences kernel panic crash at dp_rx_process.
CSCwa53266	Cisco Catalyst 9120 APs are unable to complete authentication and get stuck when 802.11w
CSCwa65724	Standby reloads with low memory and WNCD crash.
CSCwa73245	Cisco Aironet 3802 AP experiences MU sounding errors leading to TCQ stuck issue.
CSCwa73294	HTTP session, SNMP, and show commands stop working in Cisco Catalyst 9800-80 Wirele process CPU is high at 100%.
CSCwa76898	WLAN stopped broadcasting after a configuration change in the WLAN profile.
CSCwa78384	The controller crashes and reloads when writing an RP core file with **wncd** in the name.
CSCwa82644	Controller performs incorrect available bandwidth calculations for QBSS_AAC with voice AP.
CSCwa84611	Cisco Catalyst 9800-80 Wireless Controller crashes intermittently.
CSCwb08737	The comeback timer is missing when Cisco Catalyst 9130 or 9120 AP is configured in Flex
CSCwb08755	Cisco Catalyst 9130 or 9120 AP in FlexConnect mode does not send SA query.
CSCwb11711	Cisco Catalyst 9120 or 9130 APs in FlexConnect mode sends association reject after the fir
CSCwb19448	Cisco Catalyst 9117 AP crashes due to kernel panic in cisco_wlan_crypto_decap.
CSCwb20008	Cisco Catalyst 9130 AP driver crashes when PC and LR is at cnss_wlfw_wlan_cfg_send_sy
CSCvu75017	Cisco Wave 2 and 802.11AX APs syslog is seen when using "Kern" facility value in AP joi
CSCvy60791	Dual Radio Assignment is missing for random Cisco Catalyst 9130AXI APs.
CSCvz40749	Probe filter in Cisco Catalyst 9120 AP does not limit unwanted probes from the AP to the c
CSCvz57744	Memory leak is observed in Cisco IOS-XE 17.7 throttle images that points to dc_add_dot11
CSCvz95502	WGB wired clients cannot reach the standard gateway temporarily when MAC flapping occ port and WGB switch port.
CSCvz97359	Roaming issue is observed when there is a PMKID mismatch in the controller.
CSCvz99449	Identitymgmt service in Cisco DNA Center crashes when APs make too many connections
CSCwa12278	Cisco Catalyst 9115 AP reloads unexpectedly due to kernel panic.
CSCwa12806	The controller has stale AP entries that stop further AP configuration.
CSCwa16467	Cleanup client entry in Authenticating state when a client is in RUN state in any controller
CSCwa22212	Controller profiling does not display the device name from DHCP Option 12.
CSCwa23606	Controller does not display the full certificate when TrustPoint is configured for Webadmin

Caveat ID	Description
CSCwa24080	Client cannot connect to Cisco Catalyst 9130 AP with tri-radio (slot 2) enabled.
CSCwa35350	AP flaps when WNCd to which it maps report high CPU utilization.
CSCwa35428	Cisco Catalyst 9120 AP drops CAPWAP connection when running the debug client.
CSCwa37641	Not able to discover and print using mDNS as SRV, TXT, A/AAAA records are removed based
CSCwa48702	Cisco Catalyst 9130AX AP experiences kernel panic crash.
CSCwa52109	Vendor OUI mismatch prints wrong message when receiving an association or a disassociation
CSCwa52721	AP does not assign native VLAN when no VLAN IDs are configured in Policy Profile.
CSCwa53592	Cisco Catalyst 9120AX APs display Flexible Radio Assignment (FRA) not capable although FR IOS-XE 17.3.4c release.
CSCwa53745	Cisco Catalyst 9117AX AP reloads unexpectedly at whal_recv.c:629.
CSCwa53763	Cisco Catalyst 9117AX AP reloads unexpectedly at whal_xmit.c:3663.
CSCwa57078	Flap occurs between DHCP and static IP address when ethernet VLAN tagging is enabled on A
CSCwb08291	Cisco Catalyst 9105AX AP introduces latency when clients use RLAN ports.

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.2

Caveat ID	Description
CSCvz55484	Controller is unable to send RADIUS packets to the RADIUS server.
CSCvw70285	Cisco Catalyst 9120 Series APs can not send ACK over the air during EAP negotiation.
CSCvx71141	Cisco Catalyst 9800-80 controller crashes due to a CPU HOG in the RRM process.
CSCvx81815	Cisco Catalyst 9800 controller does not send server **Hello** packets to the AP when enabling DT
CSCvx99197	Cisco Catalyst 9120 AP reloads unexpectedly upgrading to 8.10.158.38.
CSCvy03953	Cisco Catalyst 9130 AP reloads unexpectedly due to kernel panic.
CSCvy48917	When the client tries to join the WPA3 AES-802.1x or SHA256 WLAN, the AP sends corrupted
CSCvy62022	Roaming client stops receiving IP multicast with the new AP.
CSCvy67650	Controller does not send TCP SYN or ACK for web redirect as the banner text has more than 2
CSCvy72869	The ICAP AP Radio Stats data for **Total Frame Error Over Air** is missing on Cisco Catalys 9 Cisco Catalyst 9117 Series APs.
CSCvy79320	Ping loss increases two days after reboot.
CSCvy84153	AP location name with more than 32 characters causes the controller to crash.

Caveat ID	Description
CSCvy86698	Cisco Catalyst 9120 Series AP unable to send downstream traffic after voice call with tx/rx
CSCvy90646	Cisco Catalyst 9800 controller drops incoming CAPWAP keepalive for random APs.
CSCvy92854	Cisco Catalyst 9130 Series APs running 17.5.1 are unable to send **fast-locate** records even wh to the AP.
CSCvy99116	Cisco Catalyst 9800 controller crashes after client connection times out.
CSCvz08303	Cisco Catalyst 9800 controller reloads unexpectedly during the DBM process. DBAL Batch
CSCvz09846	Stale clients in the radio driver table of Cisco Catalyst 9130 Series APs causes associations
CSCvz09942	Cisco Catalyst 9120AXI AP crashes with kernel panic displaying that PC is at _ZN17Capw 17.3.4.30.
CSCvz12751	Cisco Catalyst 9800 controller: RA debug shows port 1812 instead of the configured RADS
CSCvz15015	Controller fails to push all WLAN configurations to the APs due to misconfiguration on jus
CSCvz24841	802.11r retried authentication packets forwarded to the controller causes duplicate authentic the client.
CSCvz25183	COS-AP fragmenting CAPWAP Discovery Packets unable to join the controller.
CSCvz28378	Memory leak observed in the WNCD process running 17.3.3 of around 200 MB per day.
CSCvz45488	Cisco Catalyst 9800 Controller: Memory leak observed in EWLC_OPERATIONAL_DB, c
CSCvz45576	Cisco Catalyst 9800 Controller: Rogue telemetry updates throttled as the controller punts a to Cisco DNAC.
CSCvz49187	Cisco Catalyst 9120 Series AP sends packets with QoS TID, when WMM is disabled on th
CSCvz54928	Client stuck in IP learn due to stale entry.
CSCvz66798	Cisco Catalyst 9120 Series AP FlexConnect drops ARP request from the client to the gatew configuration is changed from local switching to central switching.
CSCvz69441	Cisco Catalyst 9115 AP crashes due to kernel panic - PC is at put_page+0xc/0x68.
CSCvz80697	Controller does not remove RSSI values and AP from the database if new probes are receiv
CSCvz84691	Cisco Catalyst 9800 LAN controller crashes due to WNCD process.
CSCvv94885	The **show ap cdp neighbours** command displays the name of the switch instead of domain
CSCvy03587	MacBook clients are stuck in IPLEARN_PENDING status.
CSCvy13594	Cisco Catalyst 9130 AP radio firmware reloads unexpectedly.
CSCvy17092	Send DFS QUIET Event to WCP and reset Logic.
CSCvy25684	Data rates configured using the CLI wizard are different for RF profiles.

Caveat ID	Description
CSCvy30091	Cisco Catalyst 9120 AP stops transmitting to MacBook after a session reauthetication.
CSCvy33459	Cisco Catalyst 9130 AP sends packets as TID 6 with DSCP 0 in CAPWAP header when configured
CSCvy41272	Cisco IOS XE 17.6: 11k on FlexConnect mode is not working as expected.
CSCvy74904	AP authorization RADIUS request missing the calling station ID and NAS port type.
CSCvy76922	Memory leak is observed due to linux_iosd-imag.
CSCvy93234	High Channel Utilization issue seen on AP Device 360 but not on ICAP RF Stats Channel Util
CSCvy95264	WGB cannot associate when PSK password contains special characters.
CSCvy95842	AP with non-EWC image is factory reset when DHCP 43 option with type f2 is set.
CSCvz02579	Cisco Catalyst 9130AXI AP does not connect to the controller after shut/no shut of interface or switch.
CSCvz06937	Cisco Catalyst 9120 AP FW crashes on Radio 1.
CSCvz17623	Memory leak in emulated database and during AP join.
CSCvz18980	Opportunistic Key Caching (OKC) configuration does not get pushed from the controller to the on the controller via CLI.
CSCvz36463	Cisco Catalyst 9130 Series AP: Insufficient Power LED flashes when USB is enabled on PoE+
CSCvz39749	Client Location Probe displays error as parsing of probe request failed.
CSCvz44787	Cisco Catalyst 9120AXE AP shows incorrect PID and description for Self Identifying Antenna
CSCvz54234	Cisco Catalyst 9124 AP does not assign the site tag even when the **write tag-config** command
CSCvz55681	Cisco Catalyst 9120AX Series APs crashes due to radio firmware crash.
CSCvz59574	Cisco Catalyst 9130 AP: Radio operates on channel 128, but is published on channel 56.
CSCvz60451	Memory leak is observed in PUBD process with gr_tdl_info > cascaded_hdls subscription.
CSCvz87088	Cisco Catalyst 9120 Series APs in monitor mode cannot update neighbor-list, which is causing f

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.1b

Caveat ID	Description
CSCvz50468	EWC support on Cisco Catalyst 9124 AXI/D Access Points.

Resolved Caveats for Cisco IOS XE Bengaluru 17.6.1

Caveat ID	Description
CSCvw92754	Mobilityd crash is observed in the controller.
CSCvw93611	Incorrect accounting stop class attribute is observed while roaming with non-FT clients.
CSCvw94907	Client data rate is displayed incorrectly in the GUI and CLI.
CSCvw95929	Traceback messages (unable to push WLAN to APs after SSO) are observed after deleting a scaled setup.
CSCvx14179	Static IP on non-Cisco WGB does not work; stuck in IP learn.
CSCvx16484	Controller GUI does not display all locations configured in the Wireless setup.
CSCvx17425	Cisco Catalyst 9115 Series APs: Dynamic Frequency Selection (DFS) detection optimization detection.
CSCvx27345	Cisco Catalyst 9800-CL Wireless Controller displays neighbor APs as Rogue in 2.4 GHz ba
CSCvx27626	Apple clients fail to pass Extensible Authentication Protocol over LAN (EAPoL) M2 when a switchover.
CSCvx35811	CentralWeb Authentication (CWA) clients are not moved back to Web Auth after CoA reau client is in RUN state.
CSCvx37499	Controller reloads with the reason "Critical process wncd fault on rp_0_0 (rc=139)".
CSCvx37875	Transmission power discrepancies observed in Cisco Catalyst 9130AX and 9117AX Series
CSCvx39497	WNCD process reloads unexpectedly due to traffic distribution statistics.
CSCvx44040	Cisco Catalyst 9800-40 WNCD utilises 100 percent of CPU due to local Extensible Authen authentication loop.
CSCvx50299	APs are unreachable in the inventory even though they are joined to the controller.
CSCvx56223	Cisco Catalyst 9120AX AP stops allowing new associations on any of the configured SSID
CSCvx59515	Cisco Catalyst 9800-80 Controller crashes due to switch integrated security features (SISF.
CSCvx65789	Unexpected reload is generating pttcd and pubd cores.
CSCvx72387	CPU usage of WNCD reaches 100% due to WNCD_DB stuck.
CSCvx88383	Application communication failure.
CSCvx99417	Cisco Catalyst 9130AX AP connected client is randomly stuck in IP learning state when Ba coloring is enabled.
CSCvy03953	Cisco Catalyst 9130 AP crash kernel panic "Internal error: Oops - SP/PC alignment excepti .

Caveat ID	Description
CSCvy06837	Static IP address on the AP is not getting changed when static IP failover is disabled or enabled DHCP.
CSCvy11981	Controller reloads unexpectedly due to WNCD (AP name length greater and equal to 32 charac
CSCvy17995	Device-tracking doesn't change interface as the controller drops ARP request after roam and IP
CSCvy20300	Primary controller in HA frequently ends abnormally.
CSCvy21906	Roaming client delete due to dot1x timer expiry and EAPOL discards message with aa:aa:03:0
CSCvy24126	Cisco Catalyst 9105, 9115, or 9120 Series APs display 100% channel utilization.
CSCvy24397	Local mode AP deletes client if there is no response to EAP request within 30 seconds.
CSCvy36594	External WebAuth (EWA) ACLs are lost after changing from HTTP or HTTPS server configur
CSCvy77144	Flex local-sw COS-APs are not plumbing preauth ACL for first client connection attempt for C

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 Catalyst Center

Cisco Catalyst Center Documentation

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at Cisco Profile Manager.

- To get the business impact you're looking for with the technologies that matter, visit Cisco Services.

- To submit a service request, visit Cisco Support.

- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit Cisco DevNet.

- To obtain general networking, training, and certification titles, visit Cisco Press.

- To find warranty information for a specific product or product family, access Cisco Warranty Finder.

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.