

# Release Notes for Cisco Mobility Express, Cisco Wireless Release 8.8.100.0, 8.8.111.0, 8.8.120.0, 8.8.125.0, and 8.8.130.0

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**First Published:** 2018-08-17

**Last Modified:** 2020-08-10

## Introduction



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These release notes describe what is new or changed in the 8.8.100.0, 8.8.111.0, 8.8.120.0, 8.8.125.0, and 8.8.130.0 release, instructions to upgrade to this release, and open and resolved caveats for this release. These release notes are updated as needed to provide information about new features, caveats, potential software deferrals, and related documents.

The Cisco Mobility Express network solution inherits all features that were released prior to the introduction of the Cisco Wireless Release 8.8.100.0, 8.8.111.0, 8.8.120.0, 8.8.125.0, and 8.8.130.0 with a few exceptions. For information about inherited features that were introduced prior to this release, see the *Existing Features* section of the [Cisco Mobility Express User Guide, Cisco Wireless Release 8.8](#).



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**Note** The Cisco Mobility Express wireless network solution is available starting from Cisco Wireless Release 8.1.122.0.

We recommend that you view the field notices for this release to check whether your software or hardware platforms are affected. If you have an account on Cisco.com, you can find the field notices at: [http://www.cisco.com/en/US/customer/support/tsd\\_products\\_field\\_notice\\_summary.html](http://www.cisco.com/en/US/customer/support/tsd_products_field_notice_summary.html).

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## Overview of Cisco Mobility Express

The Cisco Mobility Express wireless network solution comprises of at least one 802.11ac Wave 2 Cisco Aironet Series access point (AP) with an in-built software-based wireless controller (WLC) managing other APs in the network.

The AP acting as the WLC is referred to as the primary AP while the other APs in the Cisco Mobility Express network, which are managed by this primary AP, are referred to as subordinate APs.

In addition to acting as a WLC, the primary AP also operates as an AP to serve clients along with the subordinate APs.

Cisco Mobility Express provides most features of a Cisco WLC and has the capability to interface with the following:

- Cisco Prime Infrastructure—For simplified network management, including managing AP groups
- Cisco Identity Services Engine—For advanced policy enforcement
- Connected Mobile Experiences (CMX)—For providing presence analytics and guest access using Connect & Engage

For more information about the Cisco Mobility Express solution, including its setup and configuration, see the [Cisco Mobility Express User Guide, Release 8.8](#).

## Supported Cisco Access Points

The following Cisco Aironet Series APs are supported in the Cisco Mobility Express network:



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**Note**

- APs listed under primary APs can also function as subordinate APs.
  - The software on the APs listed under primary APs can be converted from Cisco Mobility Express to CAPWAP Lightweight AP software and vice versa. For ordering information, visit the [Cisco Aironet Access Points Ordering Guide](#)
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**Table 1: Cisco APs Supported in Cisco Mobility Express**

Primary APs	Subordinate APs
Cisco Aironet 1540 Series	Cisco Catalyst 9100 (Applicable to Release 8.9.111.0)
Cisco Aironet 1560 Series	Cisco Aironet 1700 Series
Cisco Aironet 1815i	Cisco Aironet 1800i
Cisco Aironet 1815m	Cisco Aironet 1810w
Cisco Aironet 1815w	Cisco Aironet 2700 Series
Cisco Aironet 1830 Series	Cisco Aironet 3700 Series
Cisco Aironet 1840 Series	Cisco Industrial Wireless 3702
Cisco Aironet 1850 Series	Cisco Aironet 700i
Cisco Aironet 2800 Series	Cisco Aironet 700w
Cisco Aironet 3800 Series	
Cisco Aironet 4800 Series	

## Maximum APs and Clients Supported

Depending on the primary AP in the Cisco Mobility Express network, the maximum number of APs and clients supported varies. For more information about the APs supported in the Cisco Mobility Express network, see [Supported Cisco Access Points, on page 2](#).

**Table 2: Scale Supported in Cisco Mobility Express Network**

Primary AP Model	Maximum APs Supported	Maximum Clients Supported
Cisco Aironet 1540 Series	50	1000
Cisco Aironet 1560 Series	100	2000
Cisco Aironet 1815i	50	1000
Cisco Aironet 1815m	50	1000
Cisco Aironet 1815w	50	1000
Cisco Aironet 1830 Series	50	1000
Cisco Aironet 1840 Series	50	1000
Cisco Aironet 1850 Series	50	1000

Primary AP Model	Maximum APs Supported	Maximum Clients Supported
Cisco Aironet 2800 Series	100	2000
Cisco Aironet 3800 Series	100	2000
Cisco Aironet 4800 Series	100	2000



**Note** If there are more than 25 Access Points in a Mobility Express network, the primary AP (running the Wireless LAN controller function) can service a maximum of 20 clients. This limit only applies to primary AP and not any other Access Point in the Mobility Express network.

## New and Changed Features

- Support for mDNS Policy.
- Support for Cisco Umbrella.
- Support for Authentication Caching on Cisco Mobility Express
- Support for DNS ACL rules on Cisco Mobility Express.
- Support for TLS client that allows the Cisco Mobility Express to form a secure tunnel to the TLS gateway residing in the Central Site.
- Support for the Cisco Aironet 4800 Series access points
- Conversion of AP type default configuration from CAPWAP to Cisco Mobility Express
- SFTP support for AP conversion from CAPWAP to Cisco Mobility Express image
- DHCP option 43 support for conversion of AP from Cisco Mobility Express to CAPWAP image
- Option to configure virtual router identifier (VRID) via CLI
- Support for Ethernet over GRE (EoGRE) tunneling
- Efficient AP join
- Option to configure RFID tracking via CLI. With Cisco Aironet 4800, 3800, and 2800 Series APs, you can track up to 2000 active RFIDs. With all the other applicable Cisco APs, you can track up to 1000 active RFIDs.
- Support for HTTPs connection to Cisco DNA Center
- AP does not reboot when it joins an AP group or the AP group's RF profile is modified.
- GUI enhancements with the following provisions:
  - SFTP domain name support

- Schedule WLAN
- Optimized roaming (only in **Expert View**)
- Wireless Service Assurance enhancements like multicast to unicast
- Bonjour chromecast support (also configurable via CLI)
- CLI enhancements
  - The command **show client detail** *client\_mac\_addr* is enhanced to display the method by which the client is authenticated.




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**Note** When the AP is in local mode, it syncs with local switching client data. In this mode, the **User Authenticated by** field displays **Local Database** as the type of authentication.

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## Compatibility of Cisco Mobility Express with Other Cisco Wireless Solutions

For Cisco Mobility Express solution software compatibility information, see the [Cisco Wireless Solutions Software Compatibility Matrix](#).

## Cisco Mobility Express Software Release Information

The following table lists the Cisco Wireless Release 8.8.100.0, 8.8.111.0, 8.8.120.0, 8.8.125.0, and 8.8.130.0 software for Cisco Aironet APs that are Cisco Mobility Express capable (primary APs).



### Note

- After updating the Cisco Mobility Express software, clear your browser cache before continuing use. Do either of the following before using the Cisco Mobility Express GUI after the software update:
  - Restart your browser and log in to the GUI.
  - Log out from the GUI and login again.
- Choose the appropriate AP software based on the following:
  - Cisco Mobility Express software to be used for converting the AP from the unified wireless network CAPWAP lightweight AP to a Cisco Mobility Express-capable AP (primary AP)
  - AP software image bundle to be used either for upgrading the Cisco Mobility Express software on the primary AP or for updating the software on the subordinate APs or both

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Prior to ordering these Cisco Aironet APs, visit the [Cisco Aironet Access Points Ordering Guide](#).

Table 3: Cisco Mobility Express Software for Cisco Aironet APs

Primary AP	AP Software for Conversion from CAPWAP to Cisco Mobility Express	AP Software Image Bundle for Upgrade	AP Software in the Bundle
Cisco Aironet 1540 series	AIR-AP1540-K9-8-8-100-0.tar AIR-AP1540-K9-8-8-111-0.tar AIR-AP1540-K9-8-8-120-0.tar AIR-AP1540-K9-8-8-125-0.tar AIR-AP1540-K9-8-8-130-0.tar	AIR-AP1540-K9-ME-8-8-100-0.zip AIR-AP1540-K9-ME-8-8-111-0.zip AIR-AP1540-K9-ME-8-8-120-0.zip AIR-AP1540-K9-ME-8-8-125-0.zip AIR-AP1540-K9-ME-8-8-130-0.zip	ap1g5
Cisco Aironet 1560 series	AIR-AP1560-K9-8-8-100-0.tar AIR-AP1560-K9-8-8-111-0.tar AIR-AP1560-K9-8-8-120-0.tar AIR-AP1560-K9-8-8-125-0.tar AIR-AP1560-K9-8-8-130-0.tar	AIR-AP1560-K9-ME-8-8-100-0.zip AIR-AP1560-K9-ME-8-8-111-0.zip AIR-AP1560-K9-ME-8-8-120-0.zip AIR-AP1560-K9-ME-8-8-125-0.zip AIR-AP1560-K9-ME-8-8-130-0.zip	ap3g3
Cisco Aironet 1815 series	AIR-AP1815-K9-8-8-100-0.tar AIR-AP1815-K9-8-8-111-0.tar AIR-AP1815-K9-8-8-120-0.tar AIR-AP1815-K9-8-8-125-0.tar AIR-AP1815-K9-8-8-130-0.tar	AIR-AP1815-K9-ME-8-8-100-0.zip AIR-AP1815-K9-ME-8-8-111-0.zip AIR-AP1815-K9-ME-8-8-120-0.zip AIR-AP1815-K9-ME-8-8-125-0.zip AIR-AP1815-K9-ME-8-8-130-0.zip	ap1g5
Cisco Aironet 1830 series	AIR-AP1830-K9-8-8-100-0.tar AIR-AP1830-K9-8-8-111-0.tar AIR-AP1830-K9-8-8-120-0.tar AIR-AP1830-K9-8-8-125-0.tar AIR-AP1830-K9-8-8-130-0.tar	AIR-AP1830-K9-ME-8-8-100-0.zip AIR-AP1830-K9-ME-8-8-111-0.zip AIR-AP1830-K9-ME-8-8-120-0.zip AIR-AP1830-K9-ME-8-8-125-0.zip AIR-AP1830-K9-ME-8-8-130-0.zip	ap1g4
Cisco Aironet 1840 series	AIR-AP1840-K9-8-8-120-0.tar AIR-AP1840-K9-8-8-125-0.tar AIR-AP1840-K9-8-8-130-0.tar	AIR-AP1840-K9-ME-8-8-120-0.zip AIR-AP1840-K9-ME-8-8-125-0.zip AIR-AP1840-K9-ME-8-8-130-0.zip	ap1g4
Cisco Aironet 1850 series	AIR-AP1850-K9-8-8-100-0.tar AIR-AP1850-K9-8-8-111-0.tar AIR-AP1850-K9-8-8-120-0.tar AIR-AP1850-K9-8-8-125-0.tar AIR-AP1850-K9-8-8-130-0.tar	AIR-AP1850-K9-ME-8-8-100-0.zip AIR-AP1850-K9-ME-8-8-111-0.zip AIR-AP1850-K9-ME-8-8-120-0.zip AIR-AP1850-K9-ME-8-8-125-0.zip AIR-AP1850-K9-ME-8-8-130-0.zip	ap1g4

Primary AP	AP Software for Conversion from CAPWAP to Cisco Mobility Express	AP Software Image Bundle for Upgrade	AP Software in the Bundle
Cisco Aironet 2800 series	AIR-AP2800-K9-8-8-100-0.tar	AIR-AP2800-K9-ME-8-8-100-0.zip	ap3g3
	AIR-AP2800-K9-8-8-111-0.tar	AIR-AP2800-K9-ME-8-8-111-0.zip	
	AIR-AP2800-K9-8-8-120-0.tar	AIR-AP2800-K9-ME-8-8-120-0.zip	
	AIR-AP2800-K9-8-8-125-0.tar	AIR-AP2800-K9-ME-8-8-125-0.zip	
	AIR-AP2800-K9-8-8-130-0.tar	AIR-AP2800-K9-ME-8-8-130-0.zip	
Cisco Aironet 3800 series	AIR-AP3800-K9-8-8-100-0.tar	AIR-AP3800-K9-ME-8-8-100-0.zip	ap3g3
	AIR-AP3800-K9-8-8-111-0.tar	AIR-AP3800-K9-ME-8-8-111-0.zip	
	AIR-AP3800-K9-8-8-120-0.tar	AIR-AP3800-K9-ME-8-8-120-0.zip	
	AIR-AP3800-K9-8-8-125-0.tar	AIR-AP3800-K9-ME-8-8-125-0.zip	
	AIR-AP3800-K9-8-8-130-0.tar	AIR-AP3800-K9-ME-8-8-130-0.zip	
Cisco Aironet 4800 series	AIR-AP4800-K9-8-8-100-0.tar	AIR-AP4800-K9-ME-8-8-100-0.zip	ap3g3
	AIR-AP4800-K9-8-8-111-0.tar	AIR-AP4800-K9-ME-8-8-111-0.zip	
	AIR-AP4800-K9-8-8-120-0.tar	AIR-AP4800-K9-ME-8-8-120-0.zip	
	AIR-AP4800-K9-8-8-125-0.tar	AIR-AP4800-K9-ME-8-8-125-0.zip	
	AIR-AP4800-K9-8-8-130-0.tar	AIR-AP4800-K9-ME-8-8-130-0.zip	

## Installing Cisco Mobility Express Software

For software installation instructions, see the “Getting Started” section in the *Cisco Mobility Express User Guide for Release 8.8*.



**Note** If you fail to upgrade the AP2800 series, AP3800 series, or AP4800 series to Cisco Mobility Express version 8.8, you must first have an interim upgrade to Cisco Mobility Express 8.5.140.0, before upgrading to Cisco Mobility Express 8.8.

Alternatively, you can first load the 8.8 CAPWAP version (non-ME version) as the interim version before upgrading to Cisco Mobility Express 8.8.

## Limitations and Caveats

### Known Limitations

- Internet Group Management Protocol (IGMP)v3 is not supported on Cisco Aironet Wave 2 APs.
- If you have IPv6 flex ACLs configured in the Cisco Mobility Express network, you may face issues downgrading the Cisco Mobility Express software image from Cisco Wireless Release 8.7.102.0 or newer to Cisco Wireless Release 8.6.101.0 or older.

This issue can be resolved by removing all IPv6 ACLs as these are not supported in Cisco Mobility Express, Release 8.6.101.0 or older.

- If the Cisco AP has a Cisco Mobility Express software image, it will not support link aggregation groups (LAG) even if it is 802.3ad (LACP)-compliant.
- Over-the-DS fast BSS transition and fast transition PSK authentication are not supported.
- Starting from Cisco Mobility Express Release 8.8.111.0, when you set the **Security Type** for a WLAN to **Central Web Auth**, the required ACLs are no longer auto-generated. You must create the ACLs manually.
- When downgrading from Cisco Mobility Express AP version 8.8 or 8.9 to version 8.5 with the Cisco Catalyst 3850 switch, the Cisco AP stops responding and fails to come up as a controller. This issue occurs only when downgrading the AP. The AP upgrades without any issues.
- An AP image primary requires a minimum memory of 210 MB to create an image. If the memory is below the image creation threshold, an invalid primary status is sent to the controller. To avoid this issue, the joining AP must stream the image if there are no other available primaries. Another alternative is to add an external AP of the same type, which would have more memory when compared to the internal AP.
- In Cisco Mobility Express, the **show boot** command displays information that is obtained from the AP. Only when the controller is upgraded and rebooted, the **show boot** command points to the upgraded version. If the controller is upgraded and not rebooted, the **show boot** command variables are not populated. It will still show the old image as the default image. This is because, unlike AireOS, Cisco Mobility Express updates its data structures from the information obtained from the internal AP.
- The Cisco Aironet 1852 Access Point does not join Cisco Mobility Express 1562, as the primary Cisco Mobility Express 1562 does not include the image required for the Cisco Aironet 1852 AP.
- If you continue to perform an upgrade even after all the APs have successfully completed upgrading, the following message is displayed **"Transfer cannot happen because download is already Initiated! Abort before initiating the download again"**.

## Caveats

Caveats describe unexpected behavior in the Cisco Mobility Express network solution. Severity 1 caveats are the most serious while Severity 2 caveats are less serious. Severity 3 caveats are moderately serious and only select severity 3 caveats are listed here.

The [Resolved Caveats, on page 11](#) and [Open Caveats, on page 9](#) sections list the caveats in the Cisco Mobility Express network solution for Cisco Wireless Release 8.8.100.0, 8.8.111.0, 8.8.120.0, and 8.8.125.0. The following information is provided for each caveat:

- Identifier—Each caveat is assigned a unique identifier (ID) with a pattern of CSCxxNNNNN, where x is any letter (a-z) and N is any number (0-9). These IDs are frequently referenced in Cisco documentation, such as Security Advisories, Field Notices and other Cisco support documents. Technical Assistance Center (TAC) engineers or other Cisco staff can also provide you with the ID for a specific caveat.
- Description—A description of what is observed when the caveat occurs.



## Cisco Bug Search Tool

The [Cisco Bug Search Tool](#) (BST), which is the online successor to the Bug Toolkit, is designed to improve the effectiveness in network risk management and device troubleshooting. The 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 tool has a provision to filter bugs based on credentials to provide external and internal bug views for the search input.

For more information about how to use the [Cisco Bug Search Tool](#) effectively, including how to set email alerts for bugs, filter bugs, and save bugs and searches, see the [Bug Search Tool Help & FAQ](#) page.

You can access the listed bugs through the BST. This web-based tool provides you with access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in the Cisco Mobility Express network solution and other Cisco hardware and software products.

Click the Caveat Identifier number in the table. The corresponding BST page is displayed with details of the bug.



**Note** If you are not logged in, you will be redirected to a **Log In** page where you need to enter your registered Cisco.com username and password to log In. If you do not have a Cisco.com account, you can [register](#) for one.

If the defect that you have selected cannot be displayed, this may be due to one or more of the following reasons:

- The defect number does not exist
- The defect does not have a customer-visible description yet
- The defect has been marked Cisco Confidential

## Open Caveats

This section lists the open caveats in Cisco Wireless Release 8.8.100.0, 8.8.111.0, 8.8.120.0, 8.8.125.0, and 8.8.130.0. These caveats apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.

**Table 4: Cisco Mobility Express: Open Caveats in Cisco Wireless Release 8.8.130.0**

Caveat Identifier	Caveat Description
<a href="#">CSCvo87382</a>	Central European Time (CET) is not reflected correctly as per Daylight Saving Time (DST)
<a href="#">CSCvo87359</a>	(GMT+10:30) Adelaide, South Australia is missing from ME UI

**Table 5: Cisco Mobility Express: Open Caveats in Cisco Wireless Release 8.8.120.0 and 8.8.125.0**

Caveat Identifier	Caveat Description
<a href="#">CSCvb70551</a>	Cisco Wave 2 APs reboot due to kernel panic-not syncing: Out of Memory

<b>C a v e a t Identifier</b>	<b>Caveat Description</b>
<a href="#">CSCvn89221</a>	Unable to add netuser. Error message displayed - User already exists in the list of Management users
<a href="#">CSCvo84924</a>	Cisco Wave 2 APs unexpectedly reload frequently after upgrading to 8.8.111.0
<a href="#">CSCvo87359</a>	(GMT+10:30) Adelaide, South Australia is missing from the Cisco Mobility Express UI.
<a href="#">CSCvo87382</a>	CET is not reflected correctly as per DST.
<a href="#">CSCvk42225</a>	Max client reached on AP. Sending association response failure with reason code 17.

**Table 6: Cisco Mobility Express: Open Caveats in Cisco Wireless Release 8.8.111.0**

<b>C a v e a t Identifier</b>	<b>Caveat Description</b>
<a href="#">CSCvm55020</a>	Cisco Mobility Express-WLC switchover to New-Cisco Mobility Express-AP with profile refresh causes OpenDNS profile map with Default Policy
<a href="#">CSCvj97430</a>	Cisco Mobility Express AP - Loop detected causes AP reboot
<a href="#">CSCvi97781</a>	Hostapd does not restart after it reloads unexpectedly in 8.7 and below branches
<a href="#">CSCvk42225</a>	Max client reached on AP. Sending association response failure with reason code 17.
<a href="#">CSCvn14508</a>	Antenna Configuration options need to be included in the Cisco Mobility Express deployment guide and Spartan GUI Help.
<a href="#">CSCvn48931</a>	Cisco 2800 Mobility Express controller reloads unexpectedly with FIQ/NMI reset on 8.5.135.73.

**Table 7: Cisco Mobility Express: Open Caveats in Cisco Wireless Release 8.8.100.0**

<b>C a v e a t Identifier</b>	<b>Caveat Description</b>
<a href="#">CSCvk62355</a>	AP2800 running Cisco Mobility Express image 8.6.101.0 or 8.7.106.0 crash in <code>ewsContexSendRedirect200-&gt;ewaDate</code>
<a href="#">CSCvk53963</a>	DNS-ACL: AP1815 Cisco Mobility Express switchdriver crashed in 8.8.2.18
<a href="#">CSCvk67104</a>	Cisco Mobility Express is not sending assurance data or configuring server exchange automatically with DNA Center
<a href="#">CSCvj52635</a>	Cisco Mobility Express Subordinate AP may send disassociation after primary AP failover
<a href="#">CSCvk13835</a>	Sensor mode APs are not downloading the image after primary failover
<a href="#">CSCvk56120</a>	Cisco Mobility Express: Unable to create IPv6 ACL after creating and deleting multiple ACLs

<b>C a v e a t Identifier</b>	<b>Caveat Description</b>
<a href="#">CSCvk41963</a>	Observed <code>print_backtrace+48</code> message on all Cisco Mobility Express
<a href="#">CSCvk23577</a>	Client is unable to connect due to <code>Failed to create a timer</code>
<a href="#">CSCvj97430</a>	Cisco Mobility Express AP: Loop detected causes AP reboot
<a href="#">CSCvj58606</a>	8.8 Cisco Mobility Express: EoGRE Gateway entry gets removed from the AP when the tgw is down
<a href="#">CSCvj81510</a>	When saving config on AP1815I, GUI throws error which does not tell the user about why it is failing
<a href="#">CSCvj82636</a>	Client getting redirected to internal webauth instead of external webauth URL configured on AP Group
<a href="#">CSCvj85461</a>	Disabling Data Rates of 6 or below disables 11 Mbps as well on Cisco Mobility Express GUI
<a href="#">CSCvk03882</a>	Sensor mode AP coming as FlexConnect after Cisco Mobility Express forced failover
<a href="#">CSCvk12422</a>	Cisco Mobility Express controller rebooting twice after LSC AP Auth State to 802.1x port authentication /both
<a href="#">CSCvk20402</a>	Last reset details not showing after reset,upgrade, or downgrade
<a href="#">CSCvk23248</a>	Cisco Mobility Express controller rebooting twice after changing the LSC AP Auth configuration in GUI
<a href="#">CSCvk26607</a>	Global Multicast is disabling after Cisco Mobility Express reset
<a href="#">CSCvk41500</a>	Hotspot is enabling with Open/Guest security after change from WPA Enterprise
<a href="#">CSCvk43433</a>	Passphrase as hex value is not supported in Cisco Mobility Express GUI for PSK WLAN
<a href="#">CSCvk47740</a>	Pre-auth ACLs are not configuring for RLAN in Cisco Mobility Express GUI
<a href="#">CSCvk51464</a>	8.8 Cisco Mobility Express: GUI doesn't display the IP the internal AP is using but rather the main IP
<a href="#">CSCvk62025</a>	DNS-ACL: Wild card entry for v4 ACL is not getting applied in Client when v4 and v6 acs are used

## Resolved Caveats

This section lists the caveats that have been resolved in Cisco Wireless Release 8.8.100.0, 8.8.111.0, 8.8.120.0, 8.8.125.0, and 8.8.130.0.

**Table 8: Cisco Mobility Express: Resolved Caveats in Cisco Wireless Release 8.8.130.0**

Caveat ID Number	Description
<a href="#">CSCve64075</a>	Cannot enable https-redirect for Web-auth clients on Cisco 1852 ME controller

**Table 9: Cisco Mobility Express: Resolved Caveats in Cisco Wireless Release 8.8.125.0**

Caveat ID Number	Description
<a href="#">CSCvp36540</a>	Cisco 2802, 3802 APs: System memory is running low.

**Table 10: Cisco Mobility Express: Resolved Caveats in Cisco Wireless Release 8.8.120.0**

Caveat ID Number	Description
<a href="#">CSCvj97430</a>	Cisco Mobility Express AP - Loop detected that causes AP reboot
<a href="#">CSCvn42184</a>	"/usr/sbin/nginx-helper: line 115: retry++: not found" flooding on 1562 Cisco Mobility Express WLC Console

**Table 11: Cisco Mobility Express: Resolved Caveats in Cisco Wireless Release 8.8.111.0**

Caveat ID Number	Description
<a href="#">CSCvj61986</a>	Conversion from CAPWAP to Cisco Mobility Express is failing ("reload" is the workaround)
<a href="#">CSCvk20774</a>	AP image download failed due to "Download cleanup error"
<a href="#">CSCvk38453</a>	AP does not initiate the CAPWAP discovery process, it gets stuck during the PNP discovery process
<a href="#">CSCvk39013</a>	8.8 scale TKIP clients stuck in dhcp reqd. Clients get IP from native vlan instead of wlan-vlan
<a href="#">CSCvk70896</a>	EDNS is added to DNS query without OpenDNS profile mapped to wlan
<a href="#">CSCvk72394</a>	OpenDNS profiles are not deleted from AP
<a href="#">CSCvm20048</a>	Cisco Mobility Express: Very high CPU and memory usage seen, WLC crash due to OOM
<a href="#">CSCvm15154</a>	OpenDNS profiles are not deleted from AP after AP is moved to Standalone mode
<a href="#">CSCvm58095</a>	OpenDNS profiles are deleted from AP after disabling global status
<a href="#">CSCvj85461</a>	Disabling Data Rates of 6 or below disables 11 Mbps as well, on Cisco Mobility Express UI

Caveat ID Number	Description
<a href="#">CSCvj92959</a>	Day0 config push from APP to WLC is considered as Dynamic IP instead of Static
<a href="#">CSCvk12422</a>	Cisco Mobility Express controller reboots twice after applying "LSC AP Auth State to 802.1x port authentication/both"
<a href="#">CSCvk23248</a>	Cisco Mobility Express controller reboots twice after changing the LSC AP Auth configuration in UI
<a href="#">CSCvk23577</a>	Client is unable to connect due to the "Failed to create a timer" error
<a href="#">CSCvk30417</a>	Error encountered while applying the Guest WLAN webpage message
<a href="#">CSCvk32024</a>	Request to remove the MDSN Policy tab and radio button from webUI
<a href="#">CSCvk41312</a>	Cisco Mobility Express-WLC allows Multicast IP to be configured as virtual interface address
<a href="#">CSCvk46393</a>	8.8: Cisco Mobility Express Native VLAN mapping incorrect after moving to Standalone
<a href="#">CSCvk51464</a>	8.8 Cisco Mobility Express: Cisco Mobility Express GUI displays the main IP of the Internal AP instead of the IP that it is using
<a href="#">CSCvk53883</a>	Cisco Mobility Express GUI: preauth ACL rules disappear when VLAN tagging is enabled on WLAN.
<a href="#">CSCvk56651</a>	BSSID/Client Rate Limit prevent clients to pass traffic on Cisco Mobility Express
<a href="#">CSCvk62246</a>	OpenDNS profile registration fails with max no. of character length (31 characters), from GUI.
<a href="#">CSCvk62355</a>	AP2800 running Cisco Mobility Express image 8.6.101.0, 8.7.106.0 crash in ewContextSendRedirect200->ewaDate
<a href="#">CSCvk74100</a>	Cisco Mobility Express GUI: Configures default Platinum QoS policy for WLAN instead of Silver QoS policy
<a href="#">CSCvm12411</a>	Cisco Mobility Express: Merge state of Efficient Join and Optimized Join
<a href="#">CSCvm14997</a>	Image copy failed using SFTP for Cisco Mobility Express
<a href="#">CSCvm69252</a>	WLC sending wrong profile count to AP
<a href="#">CSCvi66455</a>	CLI to view configuration synchronization between Cisco Mobility Express capable APs.

Table 12: Cisco Mobility Express: Resolved Caveats in Cisco Wireless Release 8.8.100.0

Caveat ID Number	Description
CSCvg72551	AP4800 not downloading image from Cisco Mobility Express
CSCvg73806	RLAN port mapping on default AP group is not persisting after controller reboot in Cisco Mobility Express
CSCvg92043	AP1542 as Cisco Mobility Express controller: crashing with task Name <code>osapiBsnTimer</code>
CSCvh04887	Configuration file not importing in Cisco Mobility Express using Japanese browser
CSCvh07533	Cisco Mobility Express AP3802 controller crashes in emWeb
CSCvh10820	Save configuration through Cisco Mobility Express GUI does not generating snmp trap
CSCvh24354	Cisco Mobility Express: AP1800 disconnects the client during EAP negotiation by reason <code>MN_REASSOC_TIMEOUT</code>
CSCvh32031	Cisco Mobility Express: Update Root CA Certificate for Cisco.com Software Download Method
CSCvh49820	WLAN disabled after any change due to PSK lost
CSCvh70202	Cisco Mobility Express crashed with task name <code>fp_main_task</code> with Cisco Wireless Release 8.8.1.40
CSCvh72606	Sanity: Cisco Mobility Express: AP1815, AP1830, AP1850 failed to acquire <code>cfgsync sem LOCK</code> to save config
CSCvh72673	Cisco Mobility Express: CWA is sometimes successful, CoA-Ack is being rejected by ISE
CSCvh81525	Wireless client unable to access Cisco Mobility Express GUI or SSH when connected to the primary AP
CSCvi01125	Make BYOD feature specific to WLAN
CSCvi32879	Cisco Mobility Express: AP flap and reboot seen after upgrade to Cisco Wireless Release 8.7.1.147
CSCvi39854	Cisco Mobility Express: HEAP Memory Leak when internal DHCP scopes are used
CSCvi42632	AP generating <code>hostapd</code> core files, does not respond to EAPOL
CSCvi42743	Cisco Mobility Express: Image upgrade gets stuck, subordinate AP status shows <code>Initiated</code>
CSCvi96718	Cisco Mobility Express unexpectedly reloads on DHCP <code>spamSendConfigSync</code>
CSCvi98154	Cisco Mobility Express: SSH stopped working for WLC.

Caveat ID Number	Description
<a href="#">CSCvj14729</a>	Upgrading Cisco Mobility Express to Cisco Wireless Release 8.7.102.0 causes it to continuously crash
<a href="#">CSCvj46554</a>	CONFIGSYNC-3-CONFIG_SYNC_SEM_REL_FAIL & CLEAN_TASK: Reaper cleaning up exited task ConfigSync

## Service and Support

For all support-related information, see <http://www.cisco.com/c/en/us/support/index.html>.

### Related Documentation

#### Cisco Mobility Express

- [Cisco Mobility Express User Guide](#)
- [Cisco Mobility Express Command Reference](#)

#### Additional References

- The quick start guide or installation guide for your specific Cisco AP
- [Cisco Wireless Solutions Software Compatibility Matrix](#)
- [Cisco Aironet Access Points Ordering Guide](#)
- [Cisco Aironet Universal AP Priming and Cisco AirProvision User Guide](#)
- [Cisco Wireless Products Comparison Tool](#)

For more information about Cisco Mobility Express, visit <http://www.cisco.com/go/mobilityexpress>.

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#### Cisco Bug Search Tool

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

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