

Aruba Central (on-premises) 2.5.3.5

Release Notes



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Enterprise company

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The following table provides the revision history of this document.

Table 1: *Revision History*

Revision Number	Description
Revision 01	Initial release.

Aruba Central (on-premises) is a deployment of Aruba Central in your datacenter.

The maximum number of nodes supported is seven, and a seven-node instance of Aruba Central supports up to 25,000 devices. Supported devices include switches, controllers, Instant APs, and Campus APs.

Aruba Central (on-premises) require specific hardware for installation. Refer to the Installation guide for information on how to get started. Alternately, if you are migrating from AirWave, refer to the migration guide.

Supported Documents

The following is a list of documents published for this release.

Aruba Central (on-premises) User Guide

Aruba Central (on-premises) Installation and Setup Guide

Aruba Central (on-premises) Migration Guide

Aruba Central (on-premises) API Reference Guide

Aruba Central (on-premises) Supported Devices Guide

Contacting Support

Table 2: *Contact Information*

Main Site	arubanetworks.com
Support Site	asp.arubanetworks.com
Airheads Social Forums and Knowledge Base	community.arubanetworks.com
North American Telephone	1-800-943-4526 (Toll Free) 1-408-754-1200
International Telephone	arubanetworks.com/support-services/contact-support/
Software Licensing Site	lms.arubanetworks.com
End-of-life Information	arubanetworks.com/support-services/end-of-life/
Security Incident Response Team	Site: arubanetworks.com/support-services/security-bulletins/ Email: aruba-sirt@hpe.com
Open Source License	Site: https://myenterpriselicense.hpe.com/cwp-ui/free-software/ArubaCentralOn-Premises-OSP

The following features and enhancements were introduced in this release:

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AppRF and AirMatch are not supported in this release.

Single Node

Aruba Central (on-premises) is a deployment of Aruba Central in your datacenter. Aruba now supports single node deployment for users with a deployment size of any of the following:

- 1000 APs where APs can be either Instant APs, Campus APs, or APs along with the controllers that manage APs; or a mix of any of these devices.
- 500 switches where switches can be AOS-S switches or CX switches or a mix of the two.
- In a mixed mode of switches and APs, up to 800 APs and 200 switches are supported.

It also supports backing up and restoring system data from a single node deployment to three node deployment and above.

The limitations in the single node deployment are:

- High Availability is not supported.
- Application feature, such as API, AI connectivity, UCC, and RAPIDs support is minimal.
- Adding and replacing node is not supported.

Limitations in a Three Node Setup

- AI Insights is not supported on single-node and 3-node clusters.
- On a 3-node deployment, High Availability is not supported for deployments with only IAPs, only switches, or in mixed-mode (CAP/IAP with switches).

AI Insights Enhancements

The Aruba Central built-in AI Insights feature proactively identifies and solves network issues. In this release the following insights are introduced:

- **Clients had problems authenticating with the Captive Portal**
- **Clients had a high number of Wi-Fi Association failures**
- **Clients with High Wi-Fi Security Key-Exchange Failures**
- **Clients with High 802.1X Authentication Failures**
- **Clients with Captive Portal Authentication Problems**
- **Clients with DHCP Server Connection Problems**

The **AI insights** dashboard has become more interactive. The tables and bar graphs can now be filtered for a quick search ability. The time series graph and the pie chart data in the cards can be customized to highlight a specific entry by clicking on it for better user experience.

Controller Monitoring Enhancements

Following are the Controller monitoring enhancements:

- In the Controller dashboard, the **Online** and the **Offline** tabs indicate the total number of online and offline devices.
- **Model**—A new column is introduced in the **Controllers** and the **Mobility Conductor** table that displays the model number of the device.

- By default, the **Controllers** and the **Mobility Conductor** table sorts the offline devices and then the online devices.
- **Reboot Controller**—Aruba Central (on-premises) does not support rebooting of the controller.

Access Point Monitoring Enhancements

Following are the AP monitoring enhancements:

AirSlice Policy

Aruba AirSlice, based on IEEE 802.11ax standard, is similar to 5G network slicing architecture which allows network operators to build virtual networks tailored for specific application requirements. AirSlice allows network operators to monitor applications used by clients. AirSlice supports multiple services such as gaming, IoT, voice, video, and so on. AirSlice is available for all clients; however, 802.11ax clients have enhanced benefits due to efficient uplink and downlink traffic scheduling mechanism.

Blink LED Option

The **Blink LED** option on **AP Details** page enables the blinking of LEDs on APs to identify the location of the APs.

Navigate to the **Access Points** configuration dashboard, and click an AP listed under **Device Name**. The **Device** section under **Overview > Summary** page displays the **Blink LED** option. Click **Blink LED** to enable the blinking of LEDs on the AP.

Channel Utilization

The **Channel Utilization** graph indicates the percentage of channel utilization for the selected time range from the time range filter, and includes the following categories:

- **Transmitting**
- **Receiving**
- **Non-Wifi Interference**
- **Total Utilization**

Navigate to the **Access Points** configuration dashboard, and click an AP listed under **Device Name**. In the AP dashboard context, click the **RF** tab to view the **Channel Utilization** graph.

Go Live

Aruba Central (on-premises) supports live monitoring of Instant APs that support Aruba Instant 8.4.0.0 firmware version and above. It allows you to monitor live data of an AP updated at every 5 seconds.

Navigate to the **Access Points** overview dashboard, and click an AP listed under **Device Name**. Click the **Go Live** button to start live monitoring of the AP and click the **Stop Live** button to exit live monitoring of the AP.

Live Events

Aruba Central (on-premises) allows you to troubleshoot issues related to access points. The AP Live events feature is similar to client live troubleshooting, but in this case, we can enable live events at the AP level. Currently users can subscribe to Radio, VPN, and Spectrum events.

Replace Device

Aruba Central (on-premises) now supports an access point (AP) replacement workflow. Navigate to the **Access Points** overview dashboard, and then click an AP listed under **Device Name**. The **Replace Device** option under **Actions** allows you to replace an offline AP in the Aruba Central (on-premises) web UI. This will replace the device and the license associated with it.

WLANS

Navigate to the **Access Points** overview dashboard, and click an AP listed under **Device Name**. The **WLANS** section on **AP Details** page displays the list of all SSIDs configured for the AP. When you expand a SSID in the **WLANS** table, you can view the additional information for **2.4 GHz**, **5 GHz**, and **5 GHz (Secondary)** radios.

Health Status

Navigate to the **Access Points** overview dashboard, and click an AP listed under **Device Name**. In the **Health Status** graph of the **AP Details** page, the **Poor Health Limit** text indicates the poor health limit of the device in the network.

Troubleshooting Tools Enhancements

The **Tools** menu allows network administrators and users with troubleshooting permission to perform troubleshooting or diagnostics tests on devices and networks managed by Aruba Central. In this release, the troubleshooting tools have undergone the following enhancements:

- New Controller Connectivity Test—Apart from **Ping Test** and **Traceroute**, **Speed Test** is also available for users to diagnose controller network issues.
- Additional Tests Parameters—Under the **Network Check** tab, **Show Additional Test Settings** is introduced to enhance the troubleshooting procedure with few additional parameters for the following tests:
 - **Ping Test**
 - **HTTP Test**
 - **HTTPS Test**
 - **TCP Test**
 - **Speed Test**The **Show Additional Test Settings** is not displayed when a **Test** type is not selected. You can now show or hide the **Show Additional Test Settings** section.
- New CAP Connectivity Test—Under **Tools > Network Check**, **Speed Test** is now available to troubleshoot CAP devices.
- Client Commands—Under **Tools > Commands**, client troubleshooting commands are added to diagnose client issues in the network.

Alerts & Events Enhancements

The **Alerts & Events** pane displays all types of alerts and events generated for events pertaining to device provisioning, configuration, and user management. In this release, a new column, **Elapsed Time** is added in the **Acknowledged Alerts** table to show the timestamp difference between when a specific alert actually occurred and when that alert was acknowledged. Apart from the other alerts in Central System alert, two new alert types are introduced to notify customers regarding COP upgrade:

- **COP Upgrade Schedule**
- **COP Upgrade Check Failed**

A new AP alert is added, **Radio Non WiFi Utilization**. It generates an alert when the AP radio non-Wi-Fi utilization exceeds the threshold value.

Topology Enhancements

This release introduces the following enhancements to the **Site > Topology** tab:

- The **Topology** tab now supports displaying the details about third party and Aruba-unmanaged devices available in your network. A new filter **Third Party** is introduced that enables you to show or hide the third party and Aruba-unmanaged devices in the topology map. An Aruba-unmanaged device is an Aruba or an HP device that is not managed by Aruba Central (on-premises).
- The **Topology** tab now includes an **Unreachable Devices** pane that provides information about the orphan and the offline third-party devices. A third-party device is considered to be orphan when all its neighboring Aruba devices get deleted. A third-party device is considered to be offline when all its neighboring Aruba devices are offline.
- The **Topology** tab now supports displaying the VLAN overlay details for AOS-Switch and AOS-CX switches.

Reporting Enhancements

The following is the list of enhancements for the **Reports** module in Aruba Central (on-premises):

- **Summary** report—Administrators can now configure a report to view the following data for one year:
 - Trends such as **Unique clients per day**, **Clients per SSID**, **Unique client sessions per day**, **Average client sessions per day**, **Average clients per day**, and **Usage over time**.
 - Top N Widgets such as **Top clients by usage**, **Top OS by usage**, **Top APs by usage**, **Bottom APs by usage**, **Top sites by WLAN usage**, and **Bottom sites by WLAN usage**. The **Top sites by WLAN usage** and **Bottom sites by WLAN usage** options are only available when you select **All** in the **Groups** context level. For **Top N widgets**, you can choose Top 5, Top 10, Top 25, and Top 50 widgets.

Clients Enhancements

Following are client monitoring enhancements:

Blink LED Option

The **Blink LED** option on **Client Details** page enables the blinking of LEDs on APs to identify the location of the APs.

Navigate to the **Manage > Clients** page, and click the client name to view the **Client Details** page. The **Connection** section under **Client Details** page displays the **Blink LED** option. Click **Blink LED** to enable the blinking of LEDs on the AP.

Client Health Bar

The refresh icon in the Wireless Client Health Bar refreshes the data on the Health Bar for the wireless client. The refresh icon in the Wired Client Health Bar refreshes the data on the Health Bar for the wired client. This

icon appears only after 15 minutes of pinning the **Health Bar** to the **Client Details** page and until 15 minutes it is considered as the **Live Health Bar** because the data is updated every 5 seconds. The **Live Health Bar** is a 15-minute session that is initiated when you hover over the wireless client name in the **Client Details** page under **Manage > Clients** in the **Network operations** app. A pop-up appears displaying latest values that are updated every 5 seconds for the **Connection status**, **Device Health**, **Signal Quality**, **Tx | Rx Rate**, and **Connected To** parameters. After the 15-minute session of the **Live Health Bar**, the refresh icon appears. You may click the refresh icon to restart the session. You can also pin this window to the **Client Details** page.

Clients List View

The **Clients** page displays the number of clients connected to the wireless, wired, or remote networks. By default, the **Clients** page displays a unified list of clients for the selected group and their corresponding parameters. The parameter values appear based on the client type and state, the columns that do not have any data displays a '-' hyphen.

Go Live

Aruba Central (on-premises) supports live monitoring of the client. Click **Go Live** to start live monitoring of the client and click **Stop Live** to stop live monitoring of the client. Live monitoring is supported only if the Instant AP is running 8.4.0.0 firmware version. Live monitoring stops after 15 minutes. At any point, you can click **Stop Live** to go back to the historical view.

Live Events

Aruba Central (on-premises) allows you to troubleshoot issues related to a client or a site in real time for detailed analysis. Live troubleshooting is supported only if the wireless client is connected to the access point running Aruba Instant 8.4.0.0 or a later version. The live troubleshooting can only be performed at a site level or for a specific client.

Monitoring Wireless Clients

The **Association History** table is available only for Campus APs. It consists of a list of events for client association or disassociation such as when it disconnects from an AP, roams between APs, changes SSID, or change in the radio or BSSID. By default, the table launches only the default parameters for a time range of 3 hours. The maximum time range configured for the association history data is seven days. The **Overview > Summary** page of the wireless client dashboard contains the **Association History** table.

Remote Clients

A new client type called **Remote** is introduced for clients that are connected through a VPN. The remote clients are clients that are connected to the network through VPN. The in-house wireless and wired clients can also be authenticated using the VPN (VIA). The overview page displays the client summary details, applications, and events for the selected remote client.

The following pages provide details about the remote client:

- **Summary**—The **Remote Clients** count is added to the Clients graph in the **Summary** tab at the Global context. For more information, see Global—Summary.
- **Client Details**:
 - **List** view—The **Remote** column is added to the **Client Summary** bar and the value indicates the number of remote clients present in the network.

- **Summary** view—The **Remote** column is added to indicate the number of remote clients connected to the network and **Remote Bandwidth Usage** is added in the **Usage** tab.
- **Remote** client dashboard—Clicking on the remote client in the **Client Details** page navigates to the context dashboard. It consists of the **Health Bar**, **Summary**, **Applications**, **Security**, and **Tools** tabs.

Troubleshooting

Advanced device check aims to identify, diagnose, and debug issues on the device using the command-line interface. The **Commands** tab on the **Tools** page lists commands specific to a particular device for troubleshooting. The `show client debug` command is introduced for this purpose. This command displays details about the Instant AP and Campus AP clients configuration, which can be used for debugging purpose.

Streaming API

This release introduces the **Streaming API** tab in the **Account Home > Global Settings > Webhooks** dashboard. Streaming API allows customers to subscribe to select set of services instead of polling the NB API to get an aggregated state or statistics of the events. Streaming API supports the following services:

- Audit
- AppRF
- Monitoring
- Location
- Security



API streaming is not supported on a single node clusters.

Floorplans Enhancements

This release introduces the following enhancements to the **Floorplans** feature:

- If you unassign licenses from IAPs, they are now removed from the Floorplans and the deployed device-list. If you re-assign licenses to the IAPs, they are added back to the same Floorplan location and deployed device-list. Also, if the license gets auto-expired, the affected devices are removed. On license renewal, the affected devices are added back.
- The navigation to the **Floor plan** dashboard from an AP is now improved. You can navigate to the floorplan for a specific site by using the floorplan available at the AP dashboard.

To view the Floorplans page from an AP details page, complete the following steps:

1. In the **Network Operations** app, set the filter to **Global**.
The global dashboard is displayed.
2. Under **Manage > Devices**, click **Access Points**.
A list of APs is displayed in the **List** view.
3. Click the **Access Point** name to view the **Access Point Details** page
If there are many APs connected to the network, click **Online** or **Offline** to filter the online or offline APs.
4. Optionally, enter the AP name in the Device Name column and then click the AP.
The **Access Point Details** page is displayed.

5. Under **Manage > Overview**, click **Floor Plan**.
The floor plan details for the highlighted AP is displayed.
6. Click anywhere on the floor plan to navigate to the floor plan for a site with the AP highlighted.



The floor plan details for the AP is only accessible for the devices that are assigned with license.

Firmware Enhancements

This release introduces the following enhancements to the **Firmware** dashboard:

- The **Set Compliance** option now includes a toggle switch that allows you to enable or disable the set firmware compliance.
- Upgrading all devices now include the Site level support. You can now upgrade all the devices using the **Upgrade All** option for a specific site or multiple sites. To upgrade all devices, in the global context, click **Upgrade All** option and select the sites from the **Sites** drop-down list.
- The firmware devices tab now includes a **Site** column that displays the site at which the devices are associated.

License Management

As part of the shift to an Edge-to-Cloud Platform-as-a-Service organization, Aruba has introduced the Central Foundation and Advanced Licenses (Central Licenses). This is a uniform software subscription licensing model that will be extended to all products under the Central-managed portfolio. All the Aruba Central (on-premises) features are available in the Foundation Licenses and have different monitoring and configuration options depending on the licensing tier.

This licensing model provides different licenses for APs, switches, and controllers.

New and Deprecated APIs

Following are the new and deprecated APIs:

Topology

Following APIs are introduced in the **Topology** category:

[GET]:

- /vlans/{site_id}
- /unreachableDevices/{site_id}

Access Points

Following APIs are introduced in the **Monitoring > AP** category:

[GET]:

- /monitoring/v2/bssids
- /monitoring/v3/aps/bandwidth_usage
- /monitoring/v2/aps/bandwidth_usage/topn
- /monitoring/v2/aps

Following APIs are deprecated:

[GET]:

- /monitoring/v1/bssids
- /monitoring/v2/aps/bandwidth_usage
- /monitoring/v1/aps/bandwidth_usage/topn
- /monitoring/v1/aps



The Label parameter in the new APIs supports only label filter request and returns empty result on site filter request. However, for the deprecated APIs, both the site and label filter request is supported in the Label parameter.

Network

Following APIs are introduced in the **Monitoring > Network** category:

[GET]:

- /monitoring/v2/networks
- /monitoring/v2/networks/{network_name}
- /monitoring/v2/networks/bandwidth_usage

Following APIs are deprecated:

[GET]:

- /monitoring/v1/networks
- /monitoring/v1/networks/{network_name}
- /monitoring/v1/networks/bandwidth_usage



The Label parameter in the new APIs supports only label filter request and returns empty result on site filter request. However, for the deprecated APIs, both the site and label filter request is supported in the Label parameter.

Licensing

Following APIs are introduced in the **New Licensing** category:

[GET]:

- /platform/licensing/v1/subscriptions
- /platform/licensing/v1/subscriptions/stats
- /platform/licensing/v1/services/enabled
- /platform/licensing/v1/services/config
- /platform/licensing/v1/autolicensing/services/{service}/status
- /platform/licensing/v1/customer/settings/autolicense
- /platform/licensing/v1/msp/customer/settings/autolicense

[POST]:

- /platform/licensing/v1/subscriptions/assign
- /platform/licensing/v1/subscriptions/unassign
- /platform/licensing/v1/subscriptions/devices/all
- /platform/licensing/v1/msp/subscriptions/devices/all
- /platform/licensing/v1/customer/settings/autolicense
- /platform/licensing/v1/msp/customer/settings/autolicense

[DELETE]:

- /platform/licensing/v1/subscriptions/devices/all
- /platform/licensing/v1/msp/subscriptions/devices/all
- /platform/licensing/v1/customer/settings/autolicense
- /platform/licensing/v1/msp/customer/settings/autolicense

Following APIs are deprecated in the **Deprecated Licensing** category:

[GET]:

- /subscriptions
- /subscriptions/stats
- /services/enabled
- /subscriptions/assign
- /services/config
- /autolicensing/services/{service}/status
- /customer/settings/autolicense
- /msp/customer/settings/autolicense

[POST]:

- /subscriptions/unassign
- /subscriptions/devices/all
- /subscriptions/devices/all
- /msp/subscriptions/devices/all
- /customer/settings/autolicense
- /msp/customer/settings/autolicense

[DELETE]:

- /subscriptions/devices/all
- /msp/subscriptions/devices/all
- /customer/settings/autolicense
- /msp/customer/settings/autolicense

Migration Enhancement

Offline Migration Support from Airwave

Aruba Central (on-premises) now allows you to perform offline migration of the Device Inventory data and Visual RF data from AirWave to Aruba Central (on-premises) in the **Global Settings > System**

Management > Migration tab of the **Account Home** page. You can now perform offline migration by uploading the backup file that was earlier downloaded from AirWave. The user need not have the AirWave server up and running for an offline migration. For more information see the *Aruba Central (on-premises) Migration Guide*.



The minimum supported version for the migration is AirWave 8.2.8.2.

AOS-Switch Firmware Downgrade Support

Changing AOS-Switches firmware from latest version to earlier major versions is not recommended if the switches are managed in UI groups. For features that are not supported or not managed in Central on earlier AOS-Switch versions, changing firmware to earlier major versions might result in loss of configuration.

AOS-Switch Configuration Enhancements

Following are the AOS-Switch configuration enhancements:

- **SNMP**—Administrators can now configure SNMPv3 on AOS-Switches. SNMPv3 uses authentication and privacy protocols to provide enhanced security.
- **Tunnel Node Server**—Administrators can now configure user-based tunnel on switches from the **Tunnel Node Server** page. This allows the switch to tunnel traffic to an Aruba controller on a user-role basis or device basis.
- **Authentication**—Administrators can now configure authentication order and priority for the authentication methods. This allows switch to authenticate the client requests sequentially.
- **RADIUS**—Administrators can now configure ClearPass Server from the **RADIUS** page. This allows you to enable the switch to download the user-roles from the ClearPass server.
- **Downloadable User Role**—Administrators can now enable Downloadable User Role and configure ClearPass settings to download user-roles, policy, and class from the ClearPass Policy Manager server.
- **Routing**—**Routing** configuration is moved from the **IP Settings** tab to the **Routing** tab.
- **DHCP**—**DHCP Pools** configuration is renamed to **DHCP** and moved from the **IP Settings** tab to the **System** tab.
- Central does not support adding pre-configured switches to a UI group. Pre-configured switches that have pre-assigned UI switch groups are added to the Unassigned Devices group. To provision a pre-configured switch to a UI group or move a switch from a template group to a UI group, complete the following steps:
 1. Clear the switch configuration.
 2. Delete the device from Central.
 3. Provision the switch as a new device in a UI group.

Configuration Audit Enhancements

Following are the configuration audit enhancements:

- Configuration Audit now displays local overrides and configuration differences in an improved UI. It displays the overrides in groups based on the configuration module where the difference exists. For example, any overrides in VLAN configuration is displayed under the **VLAN** drop-down.
- **Failed/Pending Changes** option has been renamed to **Configuration Status**.

- Central does not support adding pre-configured switches to a UI group. Pre-configured switches that have pre-assigned UI switch groups are added to the Unassigned Devices group. To provision a pre-configured switch to a UI group or move a switch from a template group to a UI group, complete the following steps:
 1. Clear the switch configuration.
 2. Delete the device from Central.
 3. Provision the switch as a new device in a UI group.

Configuration Audit Enhancements

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- **Failed/Pending Changes** option has been renamed to **Configuration Status**.

Search Enhancements

Following are the enhancements to the Central Search bar:

- Aruba Central search shows cards with additional information specific to the search context. You can click on the search cards to navigate to that particular pages in the app.

Support for Unencrypted SMTP

From this release, unencrypted email server communication is supported. A new option, **No encryption** is supported for SMTP. When you configure SMTP, you can choose TLS, SSL, or No encryption.

Unified Communications Enhancements

Multi-tier licensing is applicable to Unified Communications applications.



UCC is not supported on Instant APs.

Upgrade Watcher

This release introduces the Upgrade Watcher notification system that allows you to upgrade to the latest major available version. On user account login, the watcher checks for any version release and notifies you to upgrade within the set date.

Enhancements

Aruba Central (on-premises) enables a feature for collecting information logs from the CLI for troubleshooting purposes. These log files will be saved in `/var/log/cop_diag.log` location.

Resolved Issues in Aruba Central (on-premises) 2.5.3.5

Table 3: *Resolved Issues in Aruba Central (on-premises) 2.5.3.5*

ID	Description
CN-182541	Issue: Although the controller was offline for 2 hours, there was no alert or alarm raised.
CN-145388 CN-184877	Issue: Both the radios are displayed as 5 GHz in the Summary page of the AP in the Aruba Central (on-premises) WebUI.
CN-180088	Issue: There was an issue adding CCS related FQDNs in CSR. This issue is resolved by ensuring that when a user uploads certificates with CN value as the Aruba Central (on-premises) FQDN, the user must have the following mandatory SAN entries in the certificate: <ul style="list-style-type: none">■ central-<COP_FQDN>■ ccs-user-api-<COP_FQDN>■ sso-<COP_FQDN> NOTE: For wildcard certificates, these entries are not mandatory.
CN-180092	Issue: When a user triggers an upgrade, a pre-upgrade health check error is displayed if some of the mandatory infra component are down. A user can retry to upgrade after some time and if they still see the health check error, Aruba recommends to contact the Aruba Support team.

Known Issues in Aruba Central (on-premises) 2.5.3.5

Table 4: *Known Issues in Aruba Central (on-premises) 2.5.3.5*

ID	Description
CN-107110	Issue: In Aruba Central (on-premises), you cannot configure a Campus Access Point (CAP) because configuration is applicable only for an Instant Access Point (IAP) in a group dashboard. Workaround: None.
CN-114868 CN-153146	Issue: Incorrect channel width is displayed for clients in the client details page. Workaround: None.
CN-147862	Issue: The command <code>show user mac {mac}</code> , applicable for campus AP devices, can be executed using the controller CLI. However, when this command is executed through the tools app in Aruba Central (on-premises), it does not give any response. Workaround: None.
CN-149184	Issue: While performing troubleshooting for any AP, switch, or controller, the Available Devices list in the TOOLS > Commands page does not reflect any change if the user navigates between sites, labels, or groups at the Global filter. Workaround: None.
CN-150248	Issue: Graphical representation is incorrect for Kafka state store size when aging out entries in CE State Resolver Overview . Workaround: None.
CN-151193	Issue: The Device Health panel on the Overview > RF tab of an AP displays previous RF health data in the WebUI, though the radio band is disabled in the device. Workaround: None.
CN-151338	Issue: The Username field displays user's mac address instead of the actual user name in the unified clients detail page. This issue is observed in clients that are connected using captive portal. Workaround: None.
CN-152273	Issue: The Live timer continues to display the time even after the client go live session is stopped. Workaround: None.
CN-152298	Issue: Client Live events are not displayed when you navigate to Client Details > Live in Aruba Central (on-premises) 2.5.3.0. Workaround: None.
CN-152315	Issue: Datapath details for a remote client in the Summary page does not display VIA details. Workaround: None.
CN-152378	Issue: In the Aruba Central (on-premises) UI, the search bar does not display clusters when you search by a cluster name in the global dashboard. Workaround: None.

ID	Description
CN-152383	Issue: In the Aruba Central (on-premises) UI, the search bar does not display clients in a site when you search by a site name in the global dashboard. Workaround: None.
CN-152748	Issue: The Reports page does not get refreshed, if the user navigates between sites, labels, or groups from the Global filter. However, the left navigation pane gets refreshed and displays the newly selected site, label, or group. Workaround: None.
CN-153847	Issue: When a client is disconnected from one SSID profile and is connected to a second SSID profile, the Association History table under Overview > Summary page displays unnecessary entries in the Aruba Central (on-premises) WebUI. Workaround: None.
CN-154142	Issue: Device licensing API throws 500 internal server errors intermittently. Workaround: Reload the page again.
CN-154192 CN-154881	Issue: The Overview > Summary page for a client displays Permission Denied pop-up window in the Aruba Central (on-premises) WebUI. This issue occurs when the user deletes the AP to which the client is associated. Workaround: None.
CN-156754	Issue: The filtering options in the Connection Mode column of the Association History table appears in upper case instead of lower case. Workaround: None.
CN-158048	Issue: The role of the Mobility Conductor is not getting populated in the controller monitoring page. This issue is observed in Mobility Conductors running ArubaOS 8.6.0.7 version. Workaround: Upgrade the Mobility Conductors to ArubaOS 8.7.1.0 version.
CN-159371	Issue: The Overview > Site Health dashboard displays RF related metrics for a site in the UI, though the radio band is disabled in the device. Workaround: None.
CN-160015 CN-160051 CN-160053	Issue: The Controller > Clients page does not display online and offline clients in the top bar. Currently, it displays the count as Wireless and Wired Client count. Workaround: None.
CN-161450	Issue: The AP-565 and AP-567 access points take 1 hour 15 minutes to onboard in Aruba Central (on-premises). Workaround: None.
CN-161958	Issue: Go Live does not work when the client roams between different IAP SSIDs. Workaround: None.
CN-162120	Issue: The Manage > Clients page in the Aruba Central (on-premises) UI displays incorrect count of clients for a particular group. This issue occurs when the user refreshes or reloads the Clients page. Workaround: None.
CN-162137	Issue: In the Aruba Central (on-premises) UI, the MAC authenticated wireless client displays MAC address as the username of the client although a valid host name is configured. Workaround: None.
CN-162958	Issue: In the Aruba Central (on-premises) UI, the Access Point > Overview > Summary page displays incorrect spatial stream information for CAP radios operating in the tri-radio mode. Workaround: None.

ID	Description
CN-162980	<p>Issue: Duplicate switch port event entries are displayed in the Alerts & Events > Events page. This issue occurs after onboarding a switch in a newly installed Aruba Central (on-premises) setup.</p> <p>Workaround: None.</p>
CN-164969	<p>Issue: In the Overview > Summary page, the Top APs by Usage and Top Clients by Usage data is not displayed. This issue is observed when the Aruba Central (on-premises) cluster node fails.</p> <p>Workaround: None.</p>
CN-165367	<p>Issue: Internal server error with offset 9900 is displayed in API response when fetching wireless client details.</p> <p>Workaround: Use export option in the Clients page to view all details. For NBAPI, use the filters to decrease the number of records in the search.</p>
CN-165379	<p>Issue: After bringing one node down, CPU load and disk utilization increased drastically.</p> <p>Workaround: None.</p>
CN-166546	<p>Issue: An empty Security Compliance tab is visible in the Reports page although the security compliance reports are not supported.</p> <p>Workaround: None.</p>
CN-167026	<p>Issue: In the Aruba Central (on-premises) UI, the Live Events, Live Health Bar, and Go Live options should be hidden for a single node setup.</p> <p>Workaround: None.</p>
CN-167034	<p>Issue: The Redundancy Peer field under Overview > Summary page of Mobility Conductors does not display any values for primary and standby Mobility Conductors in the Aruba Central (on-premises) UI.</p> <p>Workaround: None.</p>
CN-167429	<p>Issue: When more than one node is brought down in a cluster and each node is brought up individually, the first node in the cluster is in Not Ready state. The log file lists the reason for the event as PLEG is not healthy.</p> <p>Workaround: Reboot all the nodes of the cluster.</p>
CN-168408	<p>Issue: The summary page with the IAP device is opened instead of the IAP details page when you navigate to the AP details page of a IAP member and click on the controller in the top panel of the page.</p> <p>Workaround: None.</p>
CN-170114	<p>Issue: When the user clicks on the AP image in the Floorplan tab, an error message is displayed because the map is unable to load. This issue occurs because the longitude and latitude fields are empty.</p> <p>Workaround: None.</p>
CN-171650	<p>Issue: In the Reports page, Number of clients table and the Usage column in the Client Session table displays incorrect values.</p> <p>Workaround: None.</p>
CN-185680	<p>Issue: When a controller with wireless clients is on boarded in dual IPv4 or IPv6 mode, it populates only one IP family. The IP address is present on the device but is not displayed in the Aruba Central (on-premises) WebUI.</p> <p>Workaround: None.</p>
CN-185749	<p>Issue: When an active Mobility Conductor is moved to a group, all the attached managed devices and access points does not get moved to the group.</p>

ID	Description
	Workaround: None.
CN-185942	Issue: When a controller, with active clients, is on boarded, the clients are getting discovered without the Client IP and VLAN address. Workaround: None.
CN-185975	Issue: The role of the Mobility Conductor is displayed as a blank field in the Devices > Controller page of the Aruba Central (on-premises) WebUI. Workaround: None.

This section lists the documents that provide information related to Aruba Central (on-premises) and the devices managed by Aruba Central (on-premises).

Aruba Central (on-premises) Patch Releases

[Aruba Central \(on-premises\) 2.5.3.4 Release Notes](#)

[Aruba Central \(on-premises\) 2.5.3.3 Release Notes](#)

[Aruba Central \(on-premises\) 2.5.3.2 Release Notes](#)

[Aruba Central \(on-premises\) 2.5.3.1 Release Notes](#)

Aruba Central (on-premises) 2.5.3.0 PDF Documents

[Aruba Central \(on-premises\) User Guide](#)

[Aruba Central \(on-premises\) Release Notes](#)

[Aruba Central \(on-premises\) API Reference Guide](#)

[Aruba Central \(on-premises\) Installation and Setup Guide](#)

[Aruba Central \(on-premises\) Migration Guide](#)

[Aruba Central \(on-premises\) Supported Devices Guide](#)

Aruba Central APIs

For a complete list of APIs and the corresponding documentation, see *Swagger*. For more information about accessing the API documentation on Swagger, see *Aruba Central (on-premises) API Reference Guide*.

ArubaOS and Aruba Instant Documentation

For information on controllers and Instant APs, see the following documents at the [Aruba Support site](#):

- *ArubaOS User Guide*
- *ArubaOS CLI Reference Guide*
- *Aruba Instant User Guide*
- *Aruba Instant CLI Reference Guide*

Aruba Switch Documentation

For information on Aruba switches, see the following documents at the HPE support site:

- *HPE ArubaOS-Switch Management and Configuration Guide*
- *HPE ArubaOS-Switch Software Feature Support Matrix*

Accessing Documentation on Support Sites

To view documents hosted on the Aruba support site:

1. Go to [Aruba Support Portal](#).
2. Click the **Documentation** tab.
3. Navigate to the desired product category.

To view documents on the HPE support site:

1. Go to www.hpe.com/support/hpsc.
2. On the product support page, search for the desired product category. For example, Aruba 3810 Switches. The support information for the selected product category is displayed.
3. Click the **Manuals** tab.
4. Click **view all**. The list of documents published for the selected product category is displayed.
5. From the list, click the required document.