OmniVista 3600 Air Manager 8.2.12.1

aruba

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Release Notes

OmniVista 3600 Air Manager 8.2.12.1 is a patch release that introduces new features and provides fixes to known issues. Refer to these release notes for the most up-to-date information.

These release notes contain the following chapters:

- What's New in This Release describes new features in this release.
- Resolved Issues describes the issues we've fixed.
- Known Issues describes known issues.
- Upgrade Instructions on page 67 describes how to upgrade your software.

Contacting Support

Contact Center Online	
Main Site	https://www.al-enterprise.com/
Support Site	https://businessportal2.alcatel-lucent.com/
Email	ebg_global_supportcenter@al-enterprise.com
Service & Support Contact Center Telephone	
North America	1-800-995-2696
Latin America	1-877-919-9526
EMEA	+800 00200100 (Toll Free) or +1 (650) 385-2193
Asia Pacific	+65 6240 8484
Worldwide	1-818-878-4507

OV3600 introduces new features and fixes to issues detected in previous releases. There are no licensing changes in this release.

> **NOTE:** For a complete list of supported products and validated firmware versions, refer to the *OmniVista 3600 Air Manager 8.2.12.1 Supported Infrastructure Devices*.

Important Changes

OV3600 introduces the following changes to functionality:

- **AngularJS Version** - The version of AngularJS is upgraded to 1.8.0 version from 1.7.8 version.
- **jQuery Version** - OV3600 8.2.12.1 now supports jQuery 3.5.0 version.

New Features

SSH Public Key Authentication for External Server Backup Transfer

The AMPCLI now enables SSH public key authentication to set up a connection between OV3600 and the external backup server.

The public key authentication is required to configure the remote backup server. You must perform password authentication only when the public keys are not configured on the remote backup server. Earlier, OV3600 allowed user to enter user credentials for the remote backup server to establish communication only.

API to Install SSL Certificate

OV3600 now includes the **https://<amp_ip>/api/add_ssl_certificate** API to add or install SSL certificate. Earlier, OV3600 only allowed addition or installation of certificate in AMP CLI. For more information, see *OV3600 API Guide*.

Aruba Switches OOBM Ports Monitoring

OmniVista 3600 Air Manager 8.2.12.1 introduces monitoring the Out-of-Band Management (OOBM) port for ArubaOS-switches. The supported switches are Aruba 2920, 2930M, 3800, 3810, and 5400R.

Mgmt (OOBM) port is displayed under the ports tab in Ports Status, Ports Interface. The OOBM port is now considered in the Ports Status Count.

Monitoring Enhancements

The monitoring UI in OV3600 8.2.12.1 includes the following changes:

ArubaOS-CX Switches Model Information

The **Device Info** page of **Devices** > **Monitor** > **Devices** page specific to ArubaOS-CX switches now displays the model number corresponding to the device type. The **Device Info** now displays the model details for the following ArubaOS-CX switches:

- ArubaOS-CX 8400 Switch Series
- ArubaOS-CX 8320 Switch Series
- ArubaOS-CX 8325 Switch Series
- ArubaOS-CX 6400 Switch Series
- ArubaOS-CX 6300 Switch Series

Monitoring ArubaOS-CX and Mobility Access Switches

OmniVista 3600 Air Manager introduces Dynamic Segmentation (User Based Tunneling) for wired tunneled clients. This feature supports ArubaOS-CX 6200, ArubaOS-CX 6300, ArubaOS-CX 6400 series switches running firmware version 10.7 or later.

OmniVista 3600 Air Manager introduces two new fields for wired tunneled client in the **Devices > Monitor** page.

- Switch Active Controller field provides device information about active controllers.
- Switch Standby Controller field provides device information about standby controllers.

New Triggers

- **Data Processing Trigger**

  OmniVista 3600 Air Manager 8.2.12.1 introduces a new trigger for data Processing by OmniVista 3600 Air Manager.

  From OmniVista 3600 Air Manager 8.2.12.1, the No Data Processed alert is supported, and the trigger can be added on the **System > Triggers > Add** page.

- **Nightly Backup Failure Trigger**

  OmniVista 3600 Air Manager 8.2.12.1 introduces a new trigger for Nightly Backup Failure.

  From OmniVista 3600 Air Manager 8.2.12.1 onwards, the Nightly Backup Failure alert is supported, and the trigger can be added on the **System > Triggers > Add** page.

- **Process Restart**

  OmniVista 3600 Air Manager 8.2.12.1 introduces a new trigger for internal OmniVista 3600 Air Manager system Process Restart.

  From OmniVista 3600 Air Manager 8.2.12.1, the Process Restart alert is supported, and the trigger can be added on the **System > Triggers > Add** page.

Parallel execution of Config Jobs for Devices

OV3600 now allows you to perform parallel execution of configuration jobs for devices categorized as a set. The **AMP Setup** > **General** > **Performance** section now includes the **Minimum number of devices to parallelize config snippet jobs** option that allows you to enter the minimum number of devices for batch execution of configuration jobs in parallel. The devices are categorized in sets based on the value entered in the text box. The default value in the text box is 50.

Power Supply Status

AirWave 8.2.12.1 now displays the correct power supply status for AOS-Switch platforms.

RAPIDS Enhancements

OV3600 8.2.12.1 now includes the following changes to RAPIDS:

Rogue AP Reclassification from Airwave

OV3600 now marks source of update on the controllers while reclassifying rogues by the user manually from **Rogues Details** page or by reclassifying rogues from RAPID rules.

Addition to Wireless Properties

The **RAPIDS** > **Rules** > **Add** > **RAPIDS Classification Rule** page now allows inclusion of new **Encryption Cipher** and **Encryption Authentication** properties to define RAPIDS rule.

- In the **RAPIDS Classification Rule** page, when you select the **Encryption Cipher** option in the drop-down list and click **Add**, the following options are displayed:
  - **Encryption Cipher**—Select **Matches** or **Does Not Match** and select the protocol from the **Encryption Cipher list** to define the required rule.
  - **Encryption Cipher list**—You can select one of the WEP, TKIP, AEC, or GCM protocols from the **Encryption Cipher list** drop-down list.
- In the **RAPIDS Classification Rule** page, when you select the **Encryption Authentication** option in the drop-down list and click **Add**, the following options are displayed:
  - **Encryption Authentication**—Select **Matches** or **Does Not Match** and select the protocol from the **Encryption Authentication list** to define the required rule.
  - **Encryption Authentication list**—You can select one of the PSK, DOT1X , OWE, TDLS, SAE, or SUITEB protocols from the **Encryption Authentication list** drop-down list.

Addition to Wireless/Wireline Properties

- The MAC address in the **RAPIDS** > **Rules** > **Add** > **RAPIDS Classification Rule** page can now be included with wildcard (*) at the start, end, or both ends of the MAC address string. For example, *34:fc:b9* format is now considered as a valid MAC Address entry. Earlier, the **MAC Address list** text box only supported entries with a wildcard (*) at the end. For example, 72:ee:*.

- The **RAPIDS** > **Rules** > **Add** > **RAPIDS Classification Rule** page now includes the new **Folder** option under **Wireless/Wireline Properties** to classify rogues based on the location. When you select the **Folder** option and click **Add**, the following options are displayed:
  - **Folder**—Select **Matches** or **Does Not Match** and select the folders listed in Folder list section to define the classification rule.
  - **Folder List**—Select the folders that must be either excluded or included to the RAPIDS classification rule definition.

Ignoring Low Signal Strength

The RAPIDS UI now allows to filter out discovery events with low signal strength. The **RAPIDS** > **Setup** > **Basic Configuration** > **Filtering Options** section now includes a new **Minimum Signal Strength for Discovery Event** option. The **Discovery Events** table of the **Rogue Details** page now records discovery events with signal strength more than the value specified in the **Minimum Signal Strength for Discovery Event** option. The minimum default value is -120.

Reports Enhancements

The **Reports** module in OV3600 8.2.12.1 now includes the following enhancements:

Audit User Reports

In the audit (read only) user profile, the **Reports** > **Definitions** > **Type** drop-down list displays the **Traffic Analysis** as one of the items when the **Traffic Analysis** option is enabled for an audit (read only) user.

Device Selection Search Box

In **Traffic Analysis** reports, the **Definitions** > **Report Restrictions > APs/Devices** > **Use selected Devices** section now includes a search box. The user can now type a substring or complete device model to search a device instead of browsing through the list of devices populated in the earlier versions. When the user types the substring, all the device models that includes the substring are displayed to the user.

SSH Public Key Authentication for Devices

OV3600 8.2.12.1 now allows you to enable SSH public key authentication for SSH communication between OV3600 and the devices. The keys not only boost security but also make managing systems much easier. Instead of entering password for each device, you only have to do it once per OV3600 by enabling public key authentication at AMP level.

The user can now enable the SSH public key authentication in the following pages of the UI:

- In the **OV3600 Setup > General > Additional OV3600 Services** section.
- In the **Device Setup** > **Add** > **Device Communications** section.
- In the **Devices > Manage** page.

> **NOTE**
> OV3600 only supports simple public key authentication. In FIPS mode, OV3600 supports ECDSA and RSA algorithms for keys.

Support to Configure Custom SFTP Server Port for External Backup Transfers

OV3600 8.2.12.1 now allows to configure external port other than the default port (22) for automatic backup transfer through SFTP. The **AMP CLI** > **Backups** > **Backup** > **Configure Automatic Transfer** option now includes the **Set Destination** and **Clear Destination** menu items that configures and clears external port details, respectively.

Support for Siemens Ruggedcom Switches

OV3600 8.2.12.1 introduces support for the new Siemens Ruggedcom switches that are robust, reliable, and ensure zero packet loss. OV3600 8.2.12.1 supports the following Siemens Ruggedcom models:

Layer 2 Rack Switches

- RSG2100
- RSG2100P
- RST2228
- RST2228P

Layer 2 Compact Switches

- RS900GP
- RSG920P
- RSG908C
- RSG910C

- RSG907R
- RSG909R
- RST916P
- RST916C

Layer 3 Multi-service Platform

RX 1500/1501/1510/1511/1512/1524/1536

RX 5000

Layer 3 Edge Router

RX1400

Firmware version Boot

- v4.3.0
- ROS v5.4.2
- ROX v2.13.3

> **NOTE**
>
> Only limited testing has been performed on Seimens Ruggedcom devices. Testing with RSG910C physical device has been performed. It shares same sysOID as 8 other models such as **RST2228**, **RST2228P**, **RSG920P**, **RSG908C**, **RSG910C**, **RSG907R**, **RSG909R**, and **RST916P**.

Traffic Analysis Enabled for Audit Users

OV3600 8.2.12.1 now allows audit and read-only users to access traffic analysis information. In the **OV3600 Setup** > **Roles** > **Add** page, when the user selects **Audit (Read Only)** in the **Device Access Level** drop-down list, the **Traffic Analysis** option is displayed. The user can enable or disable the option to view or hide the traffic analysis visibility.

User Account Lock-Out Message

When the user login fails due to account locked, OV3600 displays the **User account is locked** reason for login failure. The status message is returned as part of login API call. The following table lists the various reasons and status messages that are added in OV3600 8.2.12.1:

Table 1: *Reasons and Status Message for User Account Lock-out*

Reason	Status Message
Login failed with wrong credentials.	Forbidden.
Login failed due to maximum user sessions reached.	Login failed. Too many user sessions.
Login failed due to maximum total sessions reached.	Login failed. Too many total sessions.
Login failed with user account locked.	User account is locked.

Using the Event Log

From OV3600 8.2.12.1, the Event Log records the folder events as well. Folder events, such as add or delete, are recorded.

Issues that have been fixed in OV3600 8.2.12.1, 8.2.12.0, 8.2.11.1, 8.2.11.0, 8.2.10.1, 8.2.10, 8.2.9.1, and 8.2.9.0 are described in the tables that follow.

Table 2: *Issues Resolved in OV3600 8.2.12.1*

Bug ID	Description	Reported Version
DE32914	OV3600 displayed blank usage graphs for Siemens switches in the monitoring page.	OV3600 8.2.9.0
DE32926	OV3600 did not display CPU and memory graphs for Siemens switches in the monitoring page.	OV3600 8.2.9.0
DE33904	RabbitMQ restarted intermittently and became unresponsive in OV3600 8.2.10.1 and later versions.	OV3600 8.2.10.1
DE34006	When AOS-CX 6300 member switch role was changed to standby, the previous member switch entry was not removed from OV3600. The **Devices > List** page displayed incorrect information for devices that were not actually present on the network.	OV3600 8.2.11.0
DE34086	AOS-CX switches were not coming up in AirWave after the switchover of an Aruba CX 6300 Virtual Switching Framework (VRF) stack.	OV3600 8.2.11.0
DE34092	The **Devices > List** page displayed incorrect information for devices not present on the network after the switchover of an Aruba CX 6300 Virtual Switching Framework (VRF) stack.	OV3600 8.2.12.0
DE34447	Alcatel-Lucent Instant WebUI page displayed mismatched ACLS for few virtual controllers because the following ACLs were repeated twice: ■ rule 192.168.0.0 255.255.0.0 match any any any deny ■ rule 10.0.0.0 255.255.0.0 match any any any deny ■ rule 172.16.0.0 255.255.0.0 match any any any deny	OV3600 8.2.11.0
DE34451	OV3600 was unable to push automatic backup to external SFTP server.	OV3600 8.2.11.0
DE34535 DE34627	The Power switch status in OV3600 8.2.11.1 was incorrectly updated as UP when there were 2 power supplies and one power supply was removed.	OV3600 8.2.11.1
DE34548	In OV3600, a template was successfully created for devices that were configured with a password. When a factory device with 16.10.0009 or later firmware versions was zero-touched provisioned (ZTP) in OV3600, the template was successfully created. However, when users provision ZTP for an older firmware factory device that did not have a password, the template was not created.	OV3600 8.2.11.1
DE34592	The VPN related values in the **Clients/Usage** graph indicated random client count drops after upgrading to OV3600 8.2.11.1.	OV3600 8.2.11.2

Bug ID	Description	Reported Version
DE34635	The **Reports** > **Definitions** > **Report Restrictions** section of OV3600 did not display the **Group** and **Folder** options when the user edited an existing report definition.	OV3600 8.2.11.1
DE34639	Few APs were displayed incorrectly as down in OV3600 8.2.11.0. This issue occurred in APs terminating on HP 870 controllers.	OV3600 8.2.11.0
DE34647	False client speed alerts were triggered in OV3600 servers running 8.2.10.1 versions. This issue occurred when a user had configured a client speed trigger to alert if the client's speed dropped to 1 mbps for a duration of 1 hour but the alerts were getting generated even if the speed had not dropped for an hour.	OV3600 8.2.10.1
DE34649	In the **Clients** > **Overview** page, the **By Operating System** pie chart displayed the name as **unknown** for any client.	OV3600 8.2.12.1
DE34653	The duration time of the VPN session was displayed incorrectly in OV3600 8.2.11.1. This issue was observed in Instant APs running Alcatel-Lucent AOS-W 6.5.4.14 or Alcatel-Lucent AOS-W 8.6.0.2.	OV3600 8.2.11.1
DE34654	VisualRF failed to start and displayed the error, **VisualRF server shutting down due to error java.net.BindException: Address already in use**. This issue occurred when the OV3600 server was upgraded from OV3600 8.2.11.1 to OV3600 8.2.11.2 version.	OV3600 8.2.11.2
DE34656	User was unable to see OOBM ports in the switch monitor page in OV3600, although it was displayed in the Port usage report.	OV3600 8.2.11.2
DE34661	In a failover server, the graphs in **System > performance** did not display any value.	OV3600 8.2.11.0
DE34669	Client and usage graphs did not display any value and were flat-lined. This issue occurred because no data was processed.	OV3600 8.2.10.1
DE34675	OV3600 reports failed randomly. The log files listed the reason for the event as memory error.	OV3600 8.2.11.2
DE34678	OAW-IAPs were stuck in the **Verifying** state in OV3600 running 8.2.11.2 version.	OV3600 8.2.11.2
DE34688	Few new APs in the mesh cluster were not coming up in OV3600 and also, the mesh OAW-IAP cluster details were not getting updated in the OV3600 server running 8.2.11.2 version.	OV3600 8.2.11.2
DE34690	When the user accessed the **VisualRF** > **Import** page, the **VisualRF communication timed out. Please try again** message was displayed.	OV3600 8.2.12.1
DE34697	The notification icon on the **Home** > **Overview** page of the UI did not display any pop-up message when users clicked the notification icon.	OmniVista 3600 Air Manager 8.2.11.2
DE34698	The APs radio transmit power was displayed as **0 dBM** in the **Inventory** > **Devices** report.	OV3600 8.2.11.1
DE34700	When a user created a **Folder** or **Group** in the **Devices > List** page with non-ASCII characters, a garbled folder or group name was displayed while adding deployed APs onto the Floor Plan.	OV3600 8.2.11.2

Bug ID	Description	Reported Version
DE34703	The Topology page did not load properly after upgrading OV3600 to 8.2.11.2 version.	OV3600 8.2.11.2
DE34713	The Aruba branded Alcatel Lucent AP-515 and AP-535 device models were not recognized on Alcatel OV3600.	OV3600 8.2.12.0
DE34714	Client session report based on connection mode for 802.11ax updated individually for both the radios (2.4 GHz and 5 GHz), but the radio information was not explicitly displayed.	OV3600 8.2.11.2
DE34715	Users were unable to view the client information on the **VisualRF** > **Floor Plans** page in the WebUI when a rabbitmq crash occurred.	OmniVista 3600 Air Manager 8.2.11.2
DE34720	The clients connected in the 11ax 5GHz mode were not available in the **Connection Summary** graph of the **Home > RF Performance** tab.	OV3600 8.2.11.1
DE34734	The mac address, admim-status, and operational status for management interface were not displayed in the OV3600 WebUI. This issue is observed only in 8360 switches.	OV3600 8.2.12.0
DE34737	The LLDP discovery process crashed and restarted automatically due to slow performance while polling few OV3600 devices.	OmniVista 3600 Air Manager 8.2.11.1
DE34741	This release resolves an issue with the Single Signon feature login from OV3600 to Controller GUI for users on Alcatel-Lucent AOS-W 8.7.0.0 firmware only.	OV3600 8.2.12.0
DE34760	**RF Health** report showed incorrect count of devices on random basis.	OV3600 8.2.11.2
DE34764	The command to obtain data path session for a specific client, `show data path session table <Client_IP_Address>`, was missing.	OV3600 8.2.11.2
DE34767	Users were unable to export the generated reports to the SCP server from the MC server.	OV3600 8.2.10.1
DE34777	The client Info details on **VisualRF** page incorrectly displayed **Phy** name as 11ax although the **Client Diagnostics** page correctly displayed the **Connection Mode** as 11ac 5GHz for AP-515 access points.	OV3600 8.2.11.2
DE34781	FTP option to export reports was not working.	OV3600 8.2.10.1
DE34782	In the **Devices > Monitor** page, the **Usage** graph did not show data for the tunneled wired clients.	OV3600 8.2.11.2
DE34792	The OV3600 server was not responding to https, ssh, and console.	OV3600 8.2.11.1
DE34814	The automatic backup transfer process failed after upgrading to OV3600 8.2.11.0 firmware version. This issue occurred when the user did not provide a full or absolute path as the destination.	OV3600 8.2.11.2

Bug ID	Description	Reported Version
DE34816	When monitored in AMP, the VSF switch 6300 standby switch appeared offline though the switch was operational. Also, the switch type was displayed as **Aruba switch** instead of **Aruba 6300 switch**.	OV3600 8.2.12.1
DE34818	The **Topology** page displayed AP icons to represent switches. Also, the **Topology** page did not display a few switches.	OV3600 8.2.12.1
DE34820	The user was unable to perform an online upgrade of server from OV3600 8.2.10.1 to OV3600 8.2.11.1.	OV3600 8.2.12.1
DE34821	The OV3600 user was unable to view the **Failover** license key through Amp CLI, although the **Failover** license was added to the server. Instead, it displayed the evaluation license key message.	OV3600 8.2.11.2
DE34834	RADIUS authentication with PEAP-MSCHAPv2 protocol failed. This issue occurred because the PEAP authentication was not recognized due to incorrect RADIUS attributes.	OV3600 8.2.11.2
DE34858	The OV3600 user was unable to upload the DRT file, which was in .dat extension in the OV3600 version 8.2.12.0. However, the DRT file with the same extension was successfully uploaded in the OV3600versions 8.2.10.0 and 8.2.11.2.	OV3600 8.2.12.0
DE34859	OV3600 was unable to process any data and the graphs in the **Home** page did not display any value because the **rrdcahed** service was down. This issue occurred after an upgrade to OV3600 8.2.12.0 version.	OV3600 8.2.12.0
DE34860	VisualRF did not support floor drawings without .dwg extension that were imported from Microstation software. VisualRF now supports custom parameters to specify extents, height, and width of the drawing.	OV3600 8.2.12.1
DE34866	OV3600 8.2.12.1 corrected the behavior of the **Visual RF** quick view. That is, when a user clicks on AP in **VisualRF** quick view at the bottom of AP **Monitoring** page , it will redirect to **VisualRF > Floor Plans** page and it will focus on the selected AP and hide other APs. But if there are other APs in same floor associated to the selected AP, it will show all those APs.	OV3600 8.2.11.2
DE34872	The **Manage** page did not load when a user tried to access the **Manage** page of non-Aruba or non-SNMP devices like UPS or DNS server that use ICMP.	OV3600 8.2.11.2
DE34874	Critical OAW-IAP configuration parameters such as, wmm-uapsd, wmm, and csd-override were missing in OV3600 8.2.12.0.	OV3600 8.2.12.0
DE34875	When a user switched from English to the German language in the **Group > Instant Config > RF > Radio > 2.4/5 GHz band > Edit** UI page, the **Min power** and **Max power** field label names were interchanged.	OV3600 8.2.12.0
DE34879	OV3600 server failed to send SNMP trap to the NMS server when an IPv6 AP went down although the alert was generated and displayed in the **System > Event Log** tab.	OV3600 8.2.9.0
DE34883	Flat graphs were displayed and reports also failed with the **rrdtool** error.	OV3600 8.2.12.0
DE34912	Master AMP session report failed for few of the Primary AMPs.	OV3600 8.2.11.0

Bug ID	Description	Reported Version
DE34929	When the scale of a region in VisualRF is changed, VisualRF displayed incorrect height and width.	OV3600 8.2.12.0
DE34932	OV3600 displayed a false alert for VisualRF backup failures in OV3600 servers running 8.2.10.1 or later versions.	OV3600 8.2.12.0
DE34944	User was unable to push CP certificate and Server Certificate to Instant AP from an OV3600 server.	OV3600 8.2.11.2

Table 3: *Issues Resolved in OV3600 8.2.12.0*

Bug ID	Description	Reported Version
DE29236	The *amp auth* allowlisting did not work for IPv6.	OV3600 8.2.11.1
DE32950	The **Home > Topology** page did not correctly display information for a Juniper ex4200-48t switch running firmware version 12/3R6.6, which was added to OV3600 using SNMPv3. Also, the **Devices > Monitor** page for the device failed to display the LAN MAC address for the switch.	OV3600 8.2.8.2
DE33032	LDAP authentication failed when the **Verify Server Certificate** field in the **OV3600 Setup > Authentication > LDAP Configuration** page of the WebUI was set to **require** or **optional**.	OV3600 8.2.8.2
DE33160	When an AP was changed from standard AP access mode to Air Monitor mode, there was no corresponding update in the **TX power** column of the **Radios** graph on the **Devices > Monitor** page for that AP.	OV3600 8.2.9.0
DE33351	OV3600 8.2.11.1 had a limitation where a queued request still sent snmpv2 packets even though the group was configured to poll via SNMPv3. OV3600 stopped sending v2 requests once the timeout expired.	OV3600 8.2.9.1
DE33576	Network administrators could not perform an SNMPv3 walk on the OV3600 server to view server information if an OV3600 server had the SNMP daemon enabled and had special characters in its login credentials.	OV3600 8.2.9.0
DE33600	An issue is resolved that prevented OV3600 from correctly assigning a static IP address to a Aruba Central (on-premises) device if the OV3600 server is connected to a DHCP-enabled switch. This issue is fixed by adding support for 10G interfaces in OmniVista 3600 Air Manager 8.2.12.1.	OV3600 8.2.10.0
DE33606	OV3600 alerts consumed a large amount of CPU resources when many alerts were triggered and the **CEF Syslog Notification Options** setting was not enabled on the **System > Triggers** page.	OV3600 8.2.10.0
DE33607	Log files on the **System > Event** page showed that OV3600 appeared to auto-acknowledge alerts that were previously acknowledged.	OV3600 8.2.10.0
DE33727	When configured as an SNMP server, OV3600 dropped packets received from an Alcatel-Lucent AOS-W managed device that referenced an snmpEngineID that was not known to the OV3600 server.	OV3600 8.2.9.1
DE33740	OV3600 was unable to push a configuration containing dynamic variables to an Aruba switch when the custom variable was defined using uppercase letters.	OV3600 8.2.9.1

Bug ID	Description	Reported Version
DE33776	Imported Aruba switches were incorrectly updated with the name *Instant-<switch-mac-addr>* when OV3600 imported an allowlist from Alcatel-Lucent Activate in .csv format.	OV3600 8.2.9.1
DE33784	When the eth1 interface was configured as the default gateway using the option **3 Configure > 1 Configure Network Settings** options in the OV3600 command-line interface, users were unable to change the default gateway to eth0.	OV3600 8.2.10 1
DE33814	When OV3600 generated an hourly network utilization report for an SSID, the client count for that SSID was inconsistent.	OV3600 8.2.3.1
DE33846	The OV3600 WebUI did not display information about the **High Throughput** setting on Aruba Instant devices. The **High Efficiency** option in the 802.11 radio settings in the Aruba Instant WebUI appeared with a different name, **Very High Efficient** in the OV3600 WebUI.	OV3600 8.2.10.1
DE33866	OV3600 incorrectly generated an extra set of backup files in the/var/airwave-backup folder during nightly maintenance because the amp migration dump was running during nightly maintenance.	OV3600 8.2.11.1
DE33979	When an OV3600 user clicked the **List** option on the **VisualRF** > **Floor Plans** page, the page failed to load displaying an internal server error message on the OV3600 UI. This issue occurred when users with user roles that allowed access to specific devices and VisualRF floor maps tried to get access to the page.	OV3600 8.2.11.1
DE33999	The **Upstream Device** and **Upstream Port** fields in the **Device Info** section of the **Devices > Monitor** page for a CX switch failed to display information for the upstream devices.	OV3600 8.2.11.0
DE34059	The **Home > Topology** page did not correctly update links between Aruba and Cisco switches. It displayed three alternative links between the devices instead of a single aggregated channel.	OV3600 8.2.10.1
DE34104	OV3600 did not display **Connection Mode** information for devices that support 802.11ax on the **Connected Clients** list on the **Clients > Connected page**, or in the **Device Info** section of the **Devices > Monitor** page.	OV3600 8.2.10.1
DE34128	The OV3600 WebUI displayed a **Parse Error** message and failed to run predefined commands on a Switch via the **Open controller WebUI** or using the **Run command** drop-down lists on the **Clients > Client Detail** page.	OV3600 8.2.10.1
DE34131	When OV3600 firewall rules (iptables) were enabled, an OV3600 server failed to process AMON packets, yet disabling iptables caused a spike in CPU utilization on the OV3600 server.	OV3600 8.2.10.1
DE34148	The hostnames of Alcatel-Lucent Switches and switches and Cisco switches added to OV3600 manually or using SNMP discovery did not display correctly in OV3600.	OV3600 8.2.9.1
DE34166	The **Devices > Monitor** page for a ClearPass server displayed an incorrect uptime value.	OV3600 8.2.10.1
DE34230	Some syslog message files generated by OV3600 were not in CEF format, even though **the CEF Syslog Notification Options** setting was enabled on the **System > Triggers** page.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34231	OV3600 syslog messages in CEF format displayed the text **<space>** instead of an actual space in the error messages. even though the CEF standard supported spaces as accepted text values.	OV3600 8.2.10.1
DE34240	A Client Session report generated by OV3600 did not correctly calculate average values in the **Sessions**, **Avg traffic in per client** , **Avg traffic out per client** and **Avg bandwidth per client** table columns.	OV3600 8.2.8.2
DE34243	An upgrade from OV3600 8.2.10.0 to OV3600 8.2.10.1 on a server in EFI boot mode failed, because the upgrade did not contain the grub2-efi-x64 package required for EFI mode servers.	OV3600 8.2.10.1
DE34245	After an upgrade to OV3600 8.2.11.0, the number of clients displayed on the **Clients** graph on the **Home > Overview** page randomly dropped to zero for a brief time.	OV3600 8.2.11.0
DE34250	In a Client Session report generated by OV3600 8.2.11.0, the **Average Usage** column in the **Session Data by Client** table displayed incorrect values.	OV3600 8.2.11.0
DE34251	The **Clients > Connected** table did not display information in the **Network Chipset**, **Network Driver** and **Manufacturer** columns of the **Connected Clients** tables when these columns were enabled in the table view.	OV3600 8.2.11.0
DE34254	The **Home > Traffic Analysis** page did not show data for connected devices, even though the Aruba Switch showed that the devices were passing traffic.	OV3600 8.2.10.1
DE34274	An OV3600 user with a read-only user role was able to use the **Devices > Controller Cluster** page to delete a controller cluster.	OV3600 8.210.1
DE 34276	When the data was migrated from two AMP servers to another AMP server, the database in the destination AMP server was overwritten with the database information of the source AMP servers. Also, the folder information related to devices in the servers were not restored.	OV36008.2.8.1
DE34310	An Aruba switch monitored by OV3600 incorrectly showed that it was connected to a Cisco switch on the network, even though the two switches were not directly connected.	OV3600 8.2.11.0
DE34314	OV3600 versions using CentOS 7 were unable to support multibyte characters in campus names on the **VisualRF > Floor Plans** page.	OV3600 8.2.11.0
DE34320	The **Devices > Monitoring** page incorrectly indicated that an active client was associated to a different radio with a DOWN status.	OV3600 8.2.10.1
DE34321	When a VisualRF floor plan image in .dwg format was replaced with a floor plan image in .pdf format, the **VisualRF > Floor Plans** page failed to load, and displayed the error message, **Original background image file not found. Please contact the administrator**.	OV3600 8.2.11.0
DE34325	When OV3600 generated a custom weekly RF health report, the report generation process failed, triggering the error message, **awrrdtool unexpectedly exited**.	OV3600 8.2.11.0

Bug ID	Description	Reported Version
DE34326	The **Search for affected clients** link for IPv4 link local trigger displayed all the clients instead of the specific active clients in the WebUI. This issue was observed when the user configured triggers to alert when IPv4 link local address was assigned to more than 50 clients.	OV3600 8.2.8.2
DE34334	The **Upstream Device** and **Upstream Port** fields in the **Device Info** section of the **Devices > Monitor** page for a switch failed to display information for upstream devices, even though OV3600 correctly displayed this information in the **Neighbors** table.	OV3600 8.2.11.0
DE34335 DE33784	Users were unable to change the default gateway to eth0 when the eth1 interface was configured as the default gateway using the **3 Configure > 1 Configure Network Settings** options in the OV3600 command-line interface,	OV3600 8.2.10 1
DE34344	The **Time Since Last Boot** section of a generated *Device Uptime* report incorrectly indicated that some devices were down, even though they did come up correctly after a reboot.	OV3600 8.2.10.1
DE34347	The **Devices > Monitor** page for an AP was not updating properly, and incorrectly showed that the AP had two 802.11ax radios, one up and one down.	OV3600 8.2.10.1
DE34357	The **Groups > Templates** page of the OV3600 WebUI did not allow users to correctly save new templates, and the page stopped responding when the template was saved.	OV3600 8.2.10
DE34360	The **WLANS** table on the **Home > Traffic Analysis** page incorrectly displayed information about two WLANs, **Wired** and **00:00:00:00:00:00**, that did not exist on the network.	OV3600 8.2.11.0
DE34362	The **Advanced Monitoring** tab on the **Devices > Monitor** page for a 7000 series Switch failed to display any data for that device.	OV3600 8.2.10.1
DE34363	The VisualRF service timed out on the server, requiring a restart of the service, and prevented the VisualRF pages of the OV3600 WebUI from loading correctly.	OV3600 8.2.10.1
DE34371	OV3600 failed to execute a firmware upgrade on an Aruba 2930 switch. Log files for the event incorrectly indicated that the upgrade timed out, even though the **copy tftp** command was never initiated.	OV3600 8.2.10.1
DE34372	OV3600 prevented configuration templates from being pushed from OV3600 to Instant APs, therefore, the Instant APs were always in **verifying** state, and the configuration update was not completed.	OV3600 8.2.10.1
DE34380	When OV3600 monitored a Remote AP that had a Cisco IP phone connected to the Enet3 interface of that Remote AP, OV3600 did not display the expected usage information for the Enet3 interface, which appeared to be less than the IP phone connected to that interface.	OV3600 8.2.10.1
DE34387	OV3600 users were unable to use SSH and ampadmin credentials to connect to an OV3600 server from a client running macOS, Linux, or Ubuntu.	OV3600 8.2.11.0
DE34397	A user was unable to complete TACACS authentication to log into the OV3600 WebUI because OV3600 was sending the local loopback IP address, **127.0.0.1** as a remote IP parameter and the port number as **Virtual00**. This issue occurred because the end user was using this remote IP as an authentication parameter.	OV3600 8.2.10.0

Bug ID	Description	Reported Version
DE34442	The **Rapids** > **List** page displayed a few active APs as **Rogue** in the WebUI. This issue occurred because the corresponding AP entry was missed for active BSSIDs in the ap_data_by_mac cache file.	OV3600 8.2.9.1
DE34394	User was unable to install OV3600 8.2.10.1 in KVM as VDA, that is, paravirtualization, was not supported. The log files listed the reason for the event as **KVM uses SDA instead of VDA**.	OV3600 8.2.11.0
DE34412	Rogue devices started broadcasting Korean language SSIDs and OV3600 was not recognizing the SSIDs, due to which the users were unable to create a rule with the SSID name.	OV3600 8.2.10.1
DE34424	When AP or IAP devices were deleted from OV3600, their log entries were not removed from /var/log/system/ap directory.	OV3600 8.2.11.0
DE34428	When a user searched for clients using the MAC address in the search bar, the **Search Results** did not display the clients, even though the clients were available under the **Clients > All** tab.	OV3600 8.2.11.0
DE34434	When the ap_detail.xml API query was executed, OV3600 displayed BW values for random clients and BSSIDs. The BW values that were displayed represents the bandwidth value of the clients having the data updated.	OV3600 8.2.11.0
DE34440	The call sessions were not disconnected in a Switch, due to which OmniVista 3600 Air Manager still received an active session information via AMON messages. Hence, it was displayed in the recent history incorrectly.	OV3600 8.2.11.0
DE34464	OV3600 was logging into the Switch every 5 minutes unexpectedly.	OV3600 8.2.10.1
DE34471	The **GridSize** field displayed incorrect value when VRF backup was restored. This issue occurred only if *Meters* was used for units. When the unit was selected as *Feet* the **GridSize** displayed the correct value. Additionally,in migration logs, the **GridSize** displayed correct values (in ft) but on the interface it showed the lowest metric units (0.6 m).	OV3600 8.2.10.1
DE34276	When the data was migrated from two AMP servers to another AMP server, the database in the destination AMP server was overwritten with the database information of the source AMP servers. Also, the folder information related to devices in the servers were not restored.	OV3600 8.2.9.1
DE34473	The details of neighbor device data was not updated in the **Devices** > **Monitor** > **Neighbors** table in OV3600 if the client was connected behind VOIP phone.	OV3600 8.2.10.1
DE34503	For custom users, all the APs were displayed with folder limitation and users were unable to create a floorplan.	OV3600 8.2.12.0
DE34504	For custom users, floors displayed in List view were not visible in Map view.	OV3600 8.2.12.0
DE34518	Although the VSF standby switch was detected automatically during the addition of the commander switch, the switch was displayed as offline. OV3600 displayed that the commander switch was down though it was up and running. Also, the VSF stack device model was not updated. However, the user could see that the serial number and the usage details were updated.	OV3600 8.2.11.1

Bug ID	Description	Reported Version
DE34530	Upgrade to OV3600 8.2.11.1 got aborted due to database connectivity issues.	OV3600 8.2.10.1
DE34532	The frequency of the AirWave WebUI login requests to the controller was executed per minute.	OV3600 8.2.11.1
DE34544	The walls in Bill of Materials (BOM) appeared thicker than the walls in the actual floor plan in the **VisualRF** > **Campus** > **Building** > **Floor Plans** page of the WebUI.	OV3600 8.2.9.1
DE34551	Users were unable to view other events on the web interface (**System** > **Event Log**) because the page continuously displayed **ExecUIQuery** failed messages.	OV3600 8.2.11.1
DE34559	Users noticed a drop in the client count in servers running OV3600 8.2.11.1.	OV3600 8.2.11.1
DE34560	The size of the APs image was larger in the bill of material page when compared to the VisualRF page.	OV3600 8.2.11.1
DE34574	Template variable value was not pushed when the template variable as defined using capital letters.	OV3600 8.2.12.0
DE34579	When an Instant AP got disconnected from OV3600, it could not connect back to OV3600.	OV3600 8.2.10.1
DE34583	User was unable to add all the dynamic variable at one instance in the manage page	OV3600 8.2.11.0
DE34594	The Association, Authentication, DNS, and DHCP information was missing on the **Clarity** dashboard, although available on the **Client Diagnostics** page.	OV3600 8.2.9.1
DE34596	In the AirWave WebUI, the **VisualRF > Floor Plans** page failed to load properly.	OV3600 8.2.11.2
DE34600	The **PKCS12 bundle must contain RSA key** error message was displayed when a user tried to install SSL certificate in FIPs code using AMP CLI.	OV3600 8.2.10.1
DE34602	APs were displayed as down in the **Uptime by Device** report even when **Device Uptime** was displayed as 100% in the same report.	OV3600 8.2.10.1
DE34603	OV3600 displayed device name in Central when querying ap table.	OV3600 8.2.11.2
DE34615	User lost web access to OV3600 server and the Rabbitmq logs grew huge and did not rotate as expected.	OV3600 8.2.11.1
DE34629	The **kernel, message and pgsql.1** log file size was huge and the log rotate function was not working as expected in OV3600 8.2.10.1 or later versions.	OV3600 8.2.10.1
DE34648	OV3600 was running commands against MM at the backend even though the user chose MD in the frontend.	OV3600 8.2.11.1

Bug ID	Description	Reported Version
DE34667	The page initiating the reports crashed and displayed a message to contact Aruba Technical Support. This issue occurred when the user navigated to the **Device** > **List** > **Device List** section and clicked 🖉 icon at the top right corner of the device list to select the **Run reporton selected devices** and clicked **Run Report.** This issue occurred only when a definition template was not selected from the **Report Definition Template** drop-down list, although this parameter was optional.	OV3600 8.2.11.2
DE34676	**Rapids Setup**, **Rules**, and **Score Override** tabs were missing when the user logged in as a non-privileged user with **Admin role for RAPIDS** module.	OV3600 8.2.11.2
DE34687	OV3600 did not allow the user to rename the floorplans that have been imported from Ekahau backup.	OV3600 8.2.10.1

Issues Resolved in OV3600 8.2.11.2

Bug ID	Description	Reported Version
DE34495	OV3600 8.2.11.2 fixes the issue where CLT data uploads got stuck due to intermittent DNS resolution or gateway failure.	OV3600 8.2.11.1
DE34481 DE34519 DE34520	OV3600 8.2.11.2 fixes the issue where VisualRF floor plans took a long time, 25 seconds or more, to load in all browsers except Firefox. In Firefox, it caused a crash. This issue occurred when a site had more than 30 APs.	OV3600 8.2.11.0
DE34524	OV3600 8.2.11.2 fixes the issue where OV3600 8.2.11.1 fresh installation using ISO failed. This issue was observed while loading docker images during the installation process.	OV3600 8.2.11.1

Table 4: *Issues Resolved in OV3600 8.2.11.1*

Bug ID	Description	Reported Version
DE34381	The **Devices > Monitoring** page for an AP incorrectly reported zero bandwidth usage during a period of continuous traffic on that device.	OV3600 8.2.5.1
DE34373	The **Location** field in the **Settings** section of the **Devices > Manage** page for a newly added switch is now correctly configurable, resolving an issue where this field was disabled and could not be configured via the WebUI.	OV3600 8.2.10.0
DE34349	Improvements to VisualRF resolve an issue that prevented the **VisualRF > Floor Plans** page from correctly displaying floor plans until the VisualRF process was restarted.	OV3600 8.2.10.1
DE34341	The **Location** field in the **Settings** section of the **Devices > Manage** page for a newly added switch is now correctly configurable, resolving an issue where this field was disabled and could not be configured via the WebUI.	OV3600 8.2.11.0
DE34340	OV3600 8.2.11.1 offers improved support for SNMPv3 polling for Aruba switches running ArobaOSS-CX version 10.5 or later. For switches running earlier versions of ArobaOS-CX, Aruba recommends polling using SNMPv2.	OV3600 8.2.11.0

Bug ID	Description	Reported Version
DE34319	OV3600 8.2.11.1 resolves an internal server error that prevented users from accessing the AP radio page of the OV3600 WebUI.	OV3600 8.2.10.1
DE34307	Improvements to the Instant GUI Config (IGC) feature on the **Groups > Instant Config** page of the OV3600 WebUI have resolved an issue were some Access Control Lists (ACLs) were not correctly pushed to all Instant APs in a group, triggering a configuration mismatch.	OV3600 8.2.9.1
DE34288	Improvements to how tunnel details are added to the OV3600 cache memory resolves an issue that prevented the **Home > Topology** page from loading correctly.	OV3600 8.2.10.1
DE34282	An issue is resolved where the **RADIUS Accounting Server** appears to be down on the **System > Status** page and the service for the RADIUS accounting server restarted repeatedly.	OV3600 8.2.11.0
DE34268	Improvements to VIsualRF resolve an issue that could allow VisualRF to misalign floor plans when a VisualRF backup was restored.	OV3600 8.2.10.1
DE34262	An issue is resolved that prevented the OV3600 Rogue AP Intrusion Detection System (RAPIDS) from displaying information for Rogue devices detected by RAPIDS classification rules.	OV3600 8.2.11.0
DE34249	OV3600 8.2.11.1 uses OpenJDK 11.0.7, preventing potential vulnerabilities in earlier versions of the Java open source platform.	OV3600 8.2.11.0
DE34232	An issue is resolved where API queries to the OV3600 database would result in an unusually high CPU load on the OV3600 server.	OV3600 8.2.10.1
DE34221	Scheduled reports could be stuck in a pending or in-progress state, and no error logs were created to indicate that there was an ongoing issue with the reports. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.10.1
DE34218	Improvements to VisualRF resolve an issue where the wall properties for a VisualRF floor plan loaded from a floor plan backup could incorrectly indicate that the wall material was a cubicle instead of drywall, and the floor measurement scale for the walls could be inaccurate.	OV3600 8.2.11.0
DE34208	An issue is resolved that prevented users from using the **System > Upgrade** menu in the OV3600 command-line interface to upgrade OV3600 by downloading the upgrade file from the Alcatel-Lucent support portal.	OV3600 8.2.11.0
DE34204	OV3600 8.2.11.1 includes an automatic upgrade to CentOS 7.8. This upgraded version of CentOS resolves security vulnerabilities that could impact earlier versions of CentOS.	OV3600 8.2.11.1
DE34190	When the **Filtering Options > Ignore Rogues by Signal Strength** setting was enabled on the **RAPIDS > Setup** page, there could be a discrepancy between the number of rogue devices seen in the OV3600 WebUI as compared to the OV3600 CLI. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.9.1
DE34174 DE34398	A Mobility Access Switch was unable to fetch a firmware file from the OV3600 TFTP server after an upgrade to OV3600 8.2.10.1 with CentOS 7. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34167	When OV3600 pushed a configuration to Aruba 2930F switches using the Zero-Touch Provisioning (ZTP) feature, the **Devices > Manage** page for the switch displayed an SSHL/Telnet error message, as well as an incorrect SSH user name. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.10.1
DE34164	OV3600 could incorrectly display different numbers of connected clients in the **Clients** top header, the **Clients > Connected** page and the **Clients** list. This issue is resolved in OV3600 8.2.11.1, and all these sources consistently display accurate client counts.	OV3600 8.2.10.1
DE34163	Improvements to the Instant GUI Config (IGC) feature have resolved an issue where the **Groups > Instant Config** page could display a duplicate entry for a virtual Switch, which could prevent users from making changes to the cluster from IGC.	OV3600 8.2.9.1
DE34158	An OV3600 report could get stuck in pending state while being generated on the conductor console when there is a connection issue between the OV3600 and SFTP server while exporting the reports.	OV3600 8.2.5.1
DE34156	An issue is resolved where an OV3600 server could incorrectly generate an large number of **Internal Error: RRDtool export** error messages.	OV3600 8.2.10.1
DE34155	OV3600 8.2.11.1 correctly displays total and average usage information in a Device Summary report, resolving an issue where the report earlier returned 0 for the wired clients.	OV3600 8.2.10.1
DE34149	OV3600 8.2.11.1 resolves an issue that prevented reports from being correctly exported to an external SFTP server	OV3600 8.2.10.1
DE34133	Improvements to how AMON messages are handled resolves an issue where the **Clients** and **Usage** graphs on the OV3600 **Home** page displayed inaccurately low values.	OV3600 8.2.10.1
DE34132	OV3600 8.2.11.1 introduces Internal improvements to help guard against cross-site scripting (XSS) attacks.	OV3600 8.2.10.1
DE34129	The status icons for **Up**, **Rogue**, **Clients** and **New Devices** in the **Header** tab on the conductor console will display only the count fetched from watched AMPs. These header icons will only display the count from a watched AMP and not the entire device information.	OV3600 8.2.10.0
DE34117	OV3600 is able to create a VLAN configuration for an AOS-CX switch running firmware version 10.04, resolving an issue where the switch did not allow write memory operations when in config mode. **Workaround**: This issue is not seen in AOS-CX software versions prior to TL.10.04.0030.	OV3600 8.2.11.0
DE34115	OV3600 8.2.11.1 resolves an issue where the interface MAC address of the server changes automatically, which prevented users from accessing the OV3600 WebUI.	OV3600 8.2.10.1
DE34106	Improvements to VisualRF resolve an issue where DWG images imported from AutoCAD 2019 did not correctly display walls on the floor plan.	OV3600 8.2.10.1
DE34101	OV3600 8.2.11.1 fixes the issue which caused the Async Logger Client to reach the memory limit and restart approximately every six minutes.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34100	Improvements to VisualRF resolve an issue where an OV3600 server could generate a Bill of Materials (BOM) from the **VisualRF > Floor plans** page of the OV3600 WebUI, but could not create a BOM report from OV3600 APIs.	OV3600 8.2.9.0
DE34099	AirWave 8.2.11.1 resolves an issue that prevented the Clients > Client detail page from showing usage information for users connecting to the managed network through Aruba Virtual Intranet Access (VIA).	OV3600 8.2.10.1
DE34072	OV3600 incorrectly reported the status for APs as being down and the process to poll the Switch timed out when polling the SNMPv2 Fetcher. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.10.1
DE34051 DE33986	An issue is resolved where dual-stack Switches that upgrade to Alcatel-Lucent AOS-W 8.x and become managed devices can appear in OV3600 as duplicate entries, one with an IPv4 address and one with an IPv6 address.	OV3600 8.2.10.1
DE34048	OV3600 8.2.11.1 resolves an issue where graphs were not updated in the WebUI and the system time appeared to be a date and time in the future, even though the date and time zone were set correctly on the OV3600 server.	OV3600 8.2.10.1
DE34047	An issue is resolved where the **Devices > List** page did not correctly display SSID information for Switches, even though SSID details were correctly populated for access points.	OV3600 8.2.10.1
DE34046	OV3600 8.2.11.1 resolves an issue where the **Quick Links > Spectrum Analysis** link on the **Devices > Monitor** page for a managed Switch failed to display spectrum analysis information, or redirected to a URL that required the Adobe Flash player.	OV3600 8.2.10.0
DE34035	The **Status** and **Notes** text fields on the **Devices > Manage** page could not be updated correctly for down APs. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.9.1
DE34027	Improvements to how OV3600 manages time zones settings resolve an issue where the **Reports > Definitions** page failed to display correctly.	OV3600 8.2.10.0
DE34026	An issue is resolved that prevented OV3600 from correctly displaying client information on the **Clients** and **Usage** graphs on the **Home > Overview** page until the server was rebooted or restarted.	OV3600 8.2.10.1
DE34021	An issue is resolved that prevented OV3600 from correctly displaying client device manufacturer information, which prevented the **Session Data by Model** table in generated reports from displaying information in the **Model** column for many client devices.	OV3600 8.2.10.1
DE34015	OV3600 can correctly now generate a custom report if the **RF Health: Radio Statistics by Folder** option is the only option selected.	OV3600 8.2.10.1
DE34009	OV3600 8.2.11.1 resolves an issue with AMP schema checks that prevented the OV3600 server from upgrading to a newer version of OV3600 and triggered the error "fix consistencies in the database."	OV3600 8.2.8.2
DE33986	An issue is resolved where dual-stack controllers that upgrade to OV3600 8.x and become managed devices can appear in OV3600 as duplicate entries, one with an IPv4 address and one with an IPv6 address.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE33959	An issue is resolved where a portion of newly provisioned APs appeared to be in a DOWN state in OV3600 for an unusually long time.	OV3600 8.2.10.1
DE33957	Improvements to TACACS authentication resolves an issue where OV3600 would incorrectly set the remote IP address as 127.0.0.1 instead of the IP of the authentication server.	OV3600 8.2.10.1
DE33944	An issue is resolved where the **System > Status** page of the OV3600 WebUI incorrectly indicated that an active RADIUS accounting server was down.	OV3600 8.2.10.1
DE33936	A Cisco catalyst switch did not send LLDP OIDs to OV3600, so OV3600 didn't display LLDP information for that device. **Workaround**: Upgrade the switch to version 12.2(55)SE3 to resolve this issue.	OV3600 8.2.9.1
DE33922	The **System > Upgrade** menu in the command-line interface no longer provides an option to download an upgrade package from the Aruba support portal, as this website has been deprecated. The default download site for this command is now the HPE my Networking Portal.	OV3600 8.2.10.1
DE33916	Improvements to the Instant GUI Config (IGC) feature resolve an issue that prevented users from configuring an IPv6 address when creating access control list (ACL) rules on the Groups > Instant Config page of the OV3600 WebUI.	OV3600 8.2.10.0
DE33900	OV3600 8.2.11.1 resolves an issue where users could not change the name of an AP managed by OV3600 templates via the **Clients > Manage** page of the OV3600 WebUI.	OV3600 8.2.10.1
DE33899	An issue is resolved that prevented switch firmware packages from being uploaded through an external SFTP server defined on the **Device Setup > Upload Firmware & Files** page of the OV3600 WebUI.	OV3600 8.2.10.1
DE33897	OV3600 8.2.11.1 resolves an issue that prevented the **Clients** and **Usage** graphs on the **Home > Overview** page from correctly displaying information from Instant APs .	OV3600 8.2.10.1
DE33879	Improvements to the process by which OV3600 manages certificates resolves an issue where there could be a different certificate checksum on an Instant AP and OV3600 even though the same certificate was uploaded to both OV3600 and the Instant AP.	OV3600 8.2.7.9
DE33857	OV3600 correctly classifies remote APs on the **Home > Topology** page of the OV3600 WebUI, resolving an issue that could allow the topology to incorrectly classify a remote AP as a switch.	OV3600 8.2.10.1
DE33848	Improvements to VisualRF resolve an issue that allowed the VisualRF process consume a high amount of RAM, causing the process to time out, or to take an unusually long time to load floor plans with large numbers of access points.	OV3600 8.2.9.0
DE33797	An issue is resolved that prevented users from executing commands on a Switch via the **Run Commands** menu on the **Clients > Client Detail** page of the OV3600 WebUI.	OV3600 8.2.10.1
DE33791	An issue is resolved that prevented the **Home > Clarity** page of the WebUI from correctly displaying information about authentication failures.	OV3600 8.2.9.1

Bug ID	Description	Reported Version
DE33782	Improvements to VisualRF resolve an issue where the OV3600 WebUI incorrectly displayed an error message indicating that the nightly VisualRF backup had failed, even though the backup was successful.	OV3600 8.2.10.1
DE33771	The **Home > AirMatch** page of the OV3600 WebUI did not display channel distribution data for access points associated to a Switch even though OV3600 did correctly display channel distribution data for Instant APs. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.9.1
DE33748	The **OV3600 Setup > General page** of the WebUI now correctly allows you to configure the **Mail Relay Server** setting with square brackets (the characters **[** and **]**). This resolves an issue where the required bracket characters could only be configured using the command-line interface.	OV3600 8.2.9.1
DE33689	The **Devices > Monitor** page for an access point took an unusually long time to load, even though information about connected and rogue clients displayed as expected on the Clients pages. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.10.1
DE33683	After an upgrade to OV3600 8.2.10, the internal Docker service continuously restarted and log files for the docker service displayed the error "Shutting down due to ServeAPI error: is a directory" This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.9.1
DE33637	The **Home > Traffic Analysis** page displays accurate SSIDs for Instant APs in the WLAN graph, resolving an issue where no SSID information was displayed for Instant APs after an upgrade to OV3600 8.2.9.1 or 8.2.10.	OV3600 8.2.9.1 and 8.2.10
DE33636	When a controller on a managed network was replaced or APs were moved from one controller to another, the AP moved to a different controller appeared to be in a DOWN state in OV3600 until the AMP services were restarted.	OV3600 8.2.8.2
DE33595	An issue is resolved where the **Devices > Monitoring** page displayed incorrect transmit power levels for 5GHz radios using channels 36 or 52E in the Spain regulatory domain.	OV3600 8.2.9.1
DE33526	The **Clients > Client Details** page showed the incorrect VLAN for wired clients connected behind an IP phone on a switch, even thought the Clients > Diagnostics page displayed the correct information. This issue is resolved in OV3600 8.2.11.1.	OV3600 8.2.9.0
DE33339	An issue is resolved that prevented the RAPIDS > List page from correctly displaying information all wired devices impacted by a RAPIDs classification rule.	OV3600 8.2.9.1
DE33323	An issue is resolved where the **Devices > Monitoring** page for an AP incorrectly reported zero bandwidth usage during a period of continuous traffic on that device.	OV3600 8.2.5.1
DE33312	An issue is resolved that prevented OV3600 from correctly displaying channel change information on the **Channel Change Reasons** graph and **Channel Change** table on the **Home > AirMatch** page.	OV3600 8.2.9
DE33257	An issue is resolved that prevented an AP initially classified as a rogue device to be easily reclassified as valid if that device aged out of the Wireless Management System (WMS) database, then reconnected again.	OV3600 8.2.9
DE33301	Internal security improvements in OV3600 8.2.11.1 have moved inline JavaScript to standalone files and set a Content Security Policy (CSP) which allowlists trusted sources of JavaScript.	OV3600 8.2.9.0

Bug ID	Description	Reported Version
DE32935	The **Home > Topology** page correctly displays spanning tree details for Siemens switches.	OV3600 8.2.9.0
DE29118	An issue is resolved that prevented users from navigating to the device monitoring pages from the topology map when IPSec was enabled.	OV3600 8.2.4
US22018	OV3600 8.2.11.1 resolves an issue where the **Location** and **Contact** fields information for a Switch would not update correctly on the **Devices > Monitor** page in OV3600 after that information was changed on the Switch.	OV3600 8.2.11.0
US21830	Security enhancements in OV3600 8.2.11.1 reset the credentials of an Aruba switch running firmware version 16.10 or later. If the switch is not secure, OV3600 changes the default username to **manager** and the password to the serial number of the device.	OV3600 8.2.10.1

Table 5: *Issues Resolved in OV3600 8.2.11.0*

Bug ID	Description	Reported Version
DE34121	OV3600 8.2.11.0 fixes an online upgrade running CentOS 7 from OV3600 8.2.11.0 to future versions. To upgrade from OV3600 8.2.10.x, you must contact Technical Support to apply a patch.	OV3600 8.2.10.0
DE34066	Improvements to how OV3600 exports floor plans in .svg format resolves an issue where the background image in these files could appear to be blank when the backup file was restored.	OV3600 8.2.10.1
DE34033	Security improvements in OV3600 8.2.11.0 prevent an issue where a root user could log in with a default password even though that root user was correctly prevented from accessing the shell.	OV3600 8.2.10.1
DE34016	Improvements to VisualRF resolves an issue that prevented the **VisualRF >Floorplan** page from displaying data correctly, and allowed the **Home > Overview** page to incorrectly display a message saying that the nightly VisualRF backup failed.	OV3600 8.2.10.1
DE33996	An issue is resolved where nightly backups triggered a **Nightly Maintenance Failed** error in the WebUI every other day.	OV3600 8.2.10.0
DE33975	Improvements to the method OV3600 uses to obtain the serial number of Alcatel-Lucent Mobility Conductor resolves an issue that allowed OV3600 to incorrectly display only nine digits of Mobility Conductor's ten-digit serial number.	OV3600 8.2.10.1
DE33962	Improvements to the **System > Triggers** pages in the OV3600 WebUI prevent users from entering invalid entries in the **Response Time** field for an **Authentication Time** trigger.	OV3600 8.2.11.0
DE33961	OV3600 8.2.11.0 resolved an issue where the OV3600 server would periodically stop processing RAPIDS rogue detection data, preventing rogue device entries from correctly appearing in the **RAPIDS > Overview** page of the OV3600 WebUI.	OV3600 8.2.10.1
DE33951 DE34056 DE34067	Improvements to VisualRF resolved an issue that allowed a client to incorrectly appear on a floor with an AP to which that client was previously associated, even after that client associated to a different AP on a different floor.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE33937 DE33729	OV3600 8.2.11.0 includes the open source package FreeRADIUS v3, which resolves an issue that prevented users from logging into OV3600 8.2.10.1 running on CentOS 7 with RADIUS credentials and PEAP MSCHAP v2 authentication.	OV3600 8.2.10.1
DE33932	An issue is resolved where nightly backup transfers could fail in OV3600 8.2.10.1 because the Solarwinds SCP/SFTP server used for the backup transfer didn't support RSYNC and therefore couldn't allow the backup transfers to continue if they were temporarily interrupted. OV3600 8.2.11.0 can use SFTP in place of RSYNC (when used from an OpenSSH perl package) while performing nightly backup transfer.	OV3600 8.2.10.1
DE33929	An upgrade from OV3600 8.2.8.2 to OV3600 8.2.10.1 caused an error that triggered a high load on the OV3600 server, preventing Instant APs from correctly reporting to OV3600, and causing issues that prevented OV3600 from correctly managing and upgrading Instant APs.	OV3600 8.2.10.1
DE33923	An issue is resolved where the floorplan image on the **Devices > Monitor** page for an AP would incorrectly show the thumbnail image of a Lancom AP, regardless of the model of AP being viewed.	
DE33921	An upgrade from OV3600 8.2.10.0 to OV3600 8.2.10.1 could create duplicate devices.	OV3600 8.2.10.0
DE33908	VisualRF improvements in OV3600 8.2.11.0 resolve an issue where importing a .zip file into VisualRF could cause the WebUI to stop responding, or to respond very slowly.	OV3600 8.2.9.1
DE33903	OV3600 8.2.11.0 resolves an issue where APs monitored by OV3600 would continually change the information for their upstream devices, toggling between two different switches.	OV3600 8.2.10.1
DE33891	Errors in the process to upgrade the OV3600 database caused generating reports to get stuck in an **In Progress** or **Pending** state, which in turn completely utilized all available database connections.	OV3600 8.2.10.1
DE33845	Improvements in VisualRF resolve an issue where VisualRF could display incorrect client counts, and client data could load very slowly on VisualRF floorplans.	OV3600 8.2.9.1
DE33822	OV3600 failed to push an AP name configuration change to a managed AP, causing the AP Name setting in the AP configuration to become mismatched in OV3600 , and the AP name to display incorrectly the **Devices > Manage** page for that AP.	OV3600 8.2.9.1
DE33806	The patch RPM for CentOS 7 was not included in the upgrade to OV3600 8.2.10.1, so the patch had to be manually installed. This patch is now automatically available when the OV3600 server upgrades to OV3600 8.2.11.0.	OV3600 8.2.10.1
DE33805	The **System > Status** page incorrectly showed the **Glass Feeder** service was down.	OV3600 8.2.10.1
DE33804	After an upgrade to OV3600 8.2.10.0, CPU utilization on the OV3600 sever unexpectedly increased when password encryption in the database was enabled. This issue is resolved in OV3600 8.2.11.0 by internal changes that avoid password decryption when querying the AP table when passwords are not used.	OV3600 8.2.10.0
DE33803	After migrating to Centos 7, an OV3600 deployment was impacted by an unusually high server load. Internal changes to the OV3600 papi handler have resolved this issue in OV3600 8.2.11.0.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE33801	OV3600 8.2.11.0 supports Alcatel-Lucent AP model AP-318 in OV3600 topologies, resolving an issue where APs and switches in a selected folder did not display correctly in the OV3600 WebUI.	OV3600 8.2.7
DE33794	An issue is resolved where the internal httpd process stopped, preventing the failover OV3600 server from taking over for the primary OV3600 server.	OV3600 8.2.10.1
DE33793	When a 3810 Switch in monitor-only mode in OV3600 8.2.10.1 was upgraded to AOS-Switch version16.10.002 directly from the switch (and not through OV3600) OV3600 could no longer reach the switch and could report the device as down, even if it was up and active. The OV3600 WebUI also did not correctly display the switch IP address and gateway and community string information.	OV3600 8.2.10.1
DE33790	Security improvements in OV3600 now verify that all menu modules added through the **Advanced > Custom Commands** section of the OV3600 command-line interface are encrypted to the specific key of the OV3600 appliance, or are officially signed by Alcatel-Lucent. These improvements resolve a vulnerability that could allow remote code execution through a malicious menu module.	OV3600 8.2.10.1
DE33789	Security improvements in OV3600 prevent a vulnerability that could allow remote code execution via a command injection in the **Primary Server Hostname/IP Address** setting in the **RADIUS authentication** option.	OV3600 8.2.10.1
DE33788	Improvements to the memory limit of the internal OV3600 PAPI handler resolved an issue that prevented OV3600 from correctly displaying data for several hours.	OV3600 8.2.10.1
DE33785	OV3600 now correctly displays UTF-8 characters in the OV3600 WebUI.	OV3600 8.2.10.0
DE33783	OV3600 8.2.11.0 addresses the following security vulnerabilities: **Disable ICMP redirect support for CentOS Linux 7.7.1908** The following settings have been added to /etc/sysctl.conf: ```\nsysctl -w net.ipv4.conf.all.accept_redirects=0\nsysctl -w net.ipv4.conf.default.accept_redirects=0\nsysctl -w net.ipv4.conf.all.secure_redirects=0\nsysctl -w net.ipv4.conf.default.secure_redirects=0\n``` **Disable TLS/SSL support for static key cipher suites for NGINX** OV3600 8.2.11.0 has been set up to disable TLS/SSL support for static key cipher suites. Only the following TLS/SSL ciphers are supported now: ■ ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES128-GCMSHA256: ■ ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSAAES256-GCM-SHA384: ■ DHE-RSA-AES128-GCM-SHA256:DHE-DSS-AES128-GCMSHA256: ■ kEDH+AESGCM:ECDHE-RSA-AES128-SHA256:ECDHE-ECDSA-AES128-SHA256: ■ ECDHE-RSA-AES128-SHA:ECDHE-ECDSA-AES128-SHA:ECDHE-RSA-AES256-SHA384:	OV3600 8.2.10.0

Bug ID	Description	Reported Version
	▪ ECDHE-ECDSA-AES256-SHA384:ECDHE-RSA-AES256-SHA:ECDHE-ECDSA-AES256-SHA: ▪ DHE-RSA-AES128-SHA256:DHE-RSA-AES128-SHA:DHE-DSS-AES128-SHA256: ▪ DHE-RSAAES256-SHA256:DHE-DSS-AES256-SHA:DHE-RSAAES256-SHA: ▪ !aNULL:!eNULL:!EXPORT:!DES:!RC4:!3DES:!MD5:!PSK **Delete files or directories with no real owner or group** All orphan files created by temporary SCP users are deleted now upon user deletion.	
DE33770	When you export a bill of materials for a campus from the **VisualRF > Floor Plans > Edit** menu, images in the exported file can appear to be distorted, even if they appear correctly in the floor plan.	OV3600 8.2.10.0
DE33768	If an AP provisioned in a group where the Instant GUI Config (IGC) feature enabled was later moved to a group where IGC is disabled, the attributes for the AP on the **Devices > Manage** page were not updated, and the default uplink-vlan parameter of 1 was pushed to the device.	OV3600 8.2.9.1
DE33767	Improvements to the VisualRF floorplan import process resolves an issue where floorplans imported in .dwg format were resized with an incorrect height.	OV3600 8.2.10.1
DE33760	VisualRF displayed incorrect transmit power for a planned 530 Series access point, and incorrectly displayed configuration fields for orientation, beamwidth, and gain that were not applicable to that device. Updates to the internal VisualRF catalog repository has resolved this issue in OV3600 8.2.11.0.	OV3600 8.2.10.1
DE33759	An issue is resolved that prevented OV3600 8.2.10.0 from correctly saving the whitelist of IPs/subnets allowed the access the OV3600 WebUI.	OV3600 8.2.10.0
DE33756 DE33758	An issue is resolved that prevented the failover OV3600 server from taking over for the primary OV3600 server due to ltree objects included in the backup. This issue was previously reported as DE32013 and DE32919, and is fixed in OV3600 8.2.8.2, OV3600 8.2.9.0, and OV3600 8.2.10.1.	OV3600 8.2.8.1
DE33737	Changes introduced in OV3600 8.2.8.1 prevented OV3600 users from setting empty values in a subscriber group template, which triggered the message "Please provide variable value" when a user tried to save templates with empty values. Changes in OV3600 8.2.11.0 allow subscriber template variables to support null values once again.	OV3600 8.2.8.1
DE33734	Reports run from a conductor OV3600 console did not generate correctly, even though the reports did generate as expected when run from the primary OV3600 server. The **Reports > Generated** page of the OV3600 conductor console WebUI showed that these reports were stuck in the **Pending** or **In Progress** states.	OV3600 8.2.10.0
DE33732	Events information on the **Devices > Monitor > Device Events** page could fail to load correctly due to corrupted events data.	OV3600 8.2.10.0
DE33731	The **tcpdump** command did not work correctly when issued from the 8 Advanced > 2 Enter Commands menu in the OV3600 command-line interface, and displayed the error message **sh: /usr/sbin/tcpdump: No such file or directory**.	OV3600 8.2.10.0

Bug ID	Description	Reported Version
DE33729	An issue is resolved that prevented the OV3600 server from sending traffic to a RADIUS authentication server, causing RADIUS authentication to fail.	OV3600 8.2.10.0
DE33725	Improvements to the process that manages expired user sessions has resolved an issue that prevented users from logging in to the OV3600 WebUI after upgrading to OV3600 8.2.10.0 and CentOS 7.	OV3600 8.2.10.0
DE33704	When users changed the name of an access point through the Switch, VisualRF did not update with the new name immediately, and changes appeared in VisualRF only after a noticeable delay.	OV3600 8.2.10.1
DE33703	When an OV3600 user logs in with a non-admin user role and creates a new config or audit job for a group of switches, the **Snippet Type** field in the **Add Snippet** window and the **Job Type** field in the **Add Job** window now display correct names, resolving an issue where these fields could display incorrect information.	OV3600 8.2.10.1
DE33682	An Edge-Core AS4610-54P switch running Pico8 software is added to OV3600 server as Universal Network Device. The connected device or neighbor information could not be seen though thus limiting OV3600 from identifying wired rogues.	OV3600 8.2.10.0
DE33657	An issue is resolved where creating a new custom view that included radio information on the **Devices > List** page allowed the radio filter dropdown menu to incorrectly display keyword variables.	OV3600 8.2.10.1
DE33605	The Instant GUI Config feature took two hours to start after an upgrade to OV3600 8.2.9.1, and log files for the event displayed the message "Container waiting for the DatabaseService to bootstrap."	OV3600 8.2.9.1
DE33563	When you selected a link in the **Auth Failures** column of the **Authentication** table on the **Home > Clarity** page, the **Clarity > User Details** page could fail to load if the default time for the page was set to **2H** (two hours).	OV3600 8.2.9.1
DE33556	An issue is resolved that allowed OV3600 to generate a large number of unnecessary messages in the **System > Event** Log after registering a custom device.	OV3600 8.2.9.1
DE33537	An issue is resolved that removed special characters from the username of an OV3600 administrator if that user failed a login attempt.	OV3600 8.2.9.1
DE33500	An issue is resolved that allowed OV3600 to perform an excessive amount of logins to the WebUI of connected controllers. Improvements in OV3600 8.2.11.0 reduce the number of logins to once every fifteen minutes.	OV3600 8.2.9.1
DE33437	High CPU utilization by the internal PAPIHandler process caused the OV3600 server to stop responding and become inaccessible via HTTPS or SSH.	OV3600 8.2.9.1
DE33378	An issue is resolved that prevented the **Groups > Instant Config** page from correctly displaying all APs if there were more than 80 APs in the group.	OV3600 8.2.9.1
DE33331	In VisualRF, a floor plan in .SVG format appeared to be blurred after being uploaded, and could not be fixed unless the floor plan was deleted and added back.	OV3600 8.2.7.0
DE33328	An OV3600 upgrade failed because an SCP user was mapped to a group ID that was already in use by the deprecated ElasticSearch group.	OV3600 8.2.7.1

Bug ID	Description	Reported Version
DE33326	An issue is resolved that allowed the Devices List to incorrectly display device type data for Aruba 2930M-24G-PoE+ and Aruba 2930M-24SR-PoE+ switches when the **Type** filter on the Devices List was modified to display data for either one of these two device types.	OV3600 8.2.9.1
DE33323	The **Devices > Monitoring** page for an AP incorrectly reported zero bandwidth usage during a period of continuous traffic on that device.	OV3600 8.2.5.1
DE33291	When an OV3600 user generated a network-wide client inventory report filtered limit to the output to active devices for report duration, the report displayed correctly the first time it was generated , but could incorrectly display the warning "no data to report" when the report was run a second time.	OV3600 8.2.9.0
DE33266	An issue is resolved that prevented OV3600 users from moving VisualRF floorplans imported from Ekahau Site Survey (*.esx) project files from one VisualRF building to another.	OV3600 8.2.9.0
DE33224	OV3600 displayed incorrect role information in the **Role** column of the **Radios** table on the **Devices > Monitoring** page for an AP with only a mesh link SSID.	OV3600 8.2.6.0
DE33223	An issue is resolved that prevented the **Devices > Monitor** page from correctly displaying location information for an AP connected to a Switch configured with syslocation data, and connected to a Switch running Alcatel-Lucent AOS-W 8.x.	OV3600 8.2.9.0
DE33202	OV3600 did not update a link status in the **Home > Topology** page when a new link was added between managed devices, and the device was polled manually.	OV3600 8.2.7.0
DE33194	An issue is resolved that prevented OV3600 from correctly generating traffic analysis reports filtered to display information for selected clients.	OV3600 8.2.8.1
DE33174	Configuration audit, template and warning messages were difficult to read due to a lack of line breaks. The formatting of these messages have been improved with added line breaks for enhanced readability in OV3600 8.2.11.0.	OV3600 8.2.8.2
DE33167	The **VisualRF > Floor Plans** page did not correctly display a 5 GHz radio band heatmap on the building floor where the AP was located when the AP was a mesh portal or mesh point.	OV3600 8.2.6.0
DE33163	The topology on the **Home > Topology** page took longer than expected to load when websocket updates were enabled on managed devices.	OV3600 8.2.8.2
DE33162	OV3600 periodically displayed lower than expected client counts on **Devices > Monitor** pages. Improvements to how AP names are parsed resolves this issue in OV3600 8.2.11.0.	OV3600 8.2.9.0
DE33160	When an AP was changed from standard AP access mode to Air Monitor mode, there was no corresponding update in the **TX power** column of the **Radios** graph on the **Devices > Monitor** page for that AP.	OV3600 8.2.9.0
DE33076	The **HeatMap History** playback option on the **VisualRF > Floor Plans** page failed to correctly play back the desired heatmap history recording.	OV3600 8.2.8.2
DE33025	Improvements to how OV3600 HTML documentation is generated resolved a jQuery vulnerability.	OV3600 8.2.7.1

Bug ID	Description	Reported Version
DE33019	In previous releases, after upgrading the firmware on an Aruba 8320 Switch from 10.02 to 10.03, OV3600 didn't update the **CPU Utilization** or **Usage** graphs on the **Devices > Monitor** page for the switch until the AMP process was manually restarted.	OV3600 8.2.8.2
DE33005	The **Usage** graph on the OV3600 **Home > Overview** page displayed higher than expected usage rates.	OV3600 8.2.8.2
DE32967 DE33388	Ekahau floor plans could display incorrectly when imported into OV3600. For example, concrete walls could be incorrectly imported as cubicle walls, and drywall walls could be imported as glass walls with attenuation levels that very greatly from the original materials. Improvements to the floor plan import process resolves this issue in OV3600 8.2.11.0.	OV3600 8.2.8.2
DE32945	The **Usage** graph on the **Devices > Monitor** page for an AP could show gaps in the data when an interface on the AP is configured to allow a VLAN range, such as **2-4096**.	OV3600 8.2.8.2
DE32943	When you selected an 303H access point from the **Devices > Monitor** page, the **Usage** graph did not display information for the **Enet3: Usage to Clients** or **Enet 3: Usage from Clients** options, even if both of these options are initially selected from the **WLANs** drop-down menu for this graph.	OV3600 8.2.8.2
DE32860	Differences in how radio information was rounded caused the **Devices > Monitor** page to display inconsistent frame retry rate information in the **802.11 Radio Counters Summary** table and the maximum and average **802.11 counters** graphs.	OV3600 8.2.8.2
DE32846	OV3600 was sending a large number of false positive alerts for rogue APs based upon information sent to OV3600 from Instant APs. Improvements to the alerts sent from Instant APs to OV3600 resolved this issue.	
DE32587	Uploading a floor plan larger than maximum supported size (2400 X 2400 feet) incorrectly displayed the watermark text "Empty View" on the **VisualRF > Floor Plans** page.	OV3600 8.2.7.0
DE32542	An issue is resolved where the **Devices > Monitor** page failed to correctly show IP address of connected clients in deployments with Mobility Conductor and Managed Devices (local Switches), where the **Prefer AMON vs SNMP polling** setting is enabled on the **OV3600 Setup > General** page.	OV3600 8.2.7.1
DE32353	An issue is resolved where the **Firmware > Update** page of the OV3600 WebUI didn't show the latest firmware versions for Instant APs recently added to a group.	OV3600 8.2.9.0
DE32239	OV3600 did not display data for PUTN (Per-User Tunneled Node) clients and tunnels for controllers and switches configured with IPv6 tunnels, if OV3600 managed these devices using IPv4. This issue is resolved in OV3600 8.2.11.0 for deployments running Alcatel-Lucent AOS-W 8.6.0.0 and later releases.	OV3600 8.2.8.2
DE30661	An OV3600 license report incorrectly showed that there was zero license usage for Mobility Conductor and Managed Devices (local Switches). This error was triggered by a communication issue between OV3600 and the Switches that prevented OV3600 from correctly decoding controller license data.	OV3600 8.2.9.0

Bug ID	Description	Reported Version
DE30461	FIPS mode could not be enabled on the OV3600 server if OV3600 was actively monitoring devices configured using SNMPv2, and the SNMPv3 credentials were undefined. This issue occurred because the SNMPv3 columns for MD5 and DES were default values. Starting with OV3600 8.2.11.0, OV3600 disregards SNMPv3 credentials if the credential fields are not defined, allowing you to enable FIPS mode.	OV3600 8.2.4.2
DE30018	The **Home > Topology** page did not show interface information for HP OfficeConnect Switches. Starting with OV3600 8.2.11.0, OV3600 collects information for these switches, and interface information for these devices now appear in the **Home > Topology** page.	OV3600 8.2.5.0
DE 34038	Improvements to the process OV3600 uses to clean the device event table prevents an issue where the cleanup process could time out before completing.	OV3600 8.2.9.1

Table 6: *Issues Resolved in OV3600 8.2.10.1*

Bug ID	Description	Reported Version
DE29816	An issue is resolved that prevented OV3600 from showing the correct wired client count when wired clients were located downstream from an Alcatel-Lucent Switch sending information to OV3600 via AMON messages.	OV3600 8.2.4.1
DE31783	OV3600 8.2.10.1 offers improved support for AutoCAD 2019 map files in VisualRF, resolving an issue where VisualRF could blur an imported CAD map file, and could stop responding when DWG files were imported into VisualRF.	OV3600 8.2.7.0
DE33403	In a previous release, when exporting port information for a switch in a stack, the CSV output displayed data in the **Interface Name** and **Name** columns as dates when the CSV file was opened in Microsoft Excel. This issue is resolved in OV3600 8.2.10.1.	OV3600 8.2.10.0
DE33456 DE33178	When users assigned to a custom or read-only user role accessed the VisualRF feature, OV3600 displayed the logon page instead of VisualRF data, and error messages were recorded to VisualRF log files. This issue is resolved in OV3600 8.2.10.1.	OV3600 8.2.8.2
DE33538	An issue is resolved that prevented OV3600 from correctly populating the LAN MAC data field for some Cisco Switches, such as the Cisco Catalyst 2921/K9 and ISR4331/K9.	OV3600 8.2.9.1
DE33622	After an upgrade to OV3600 8.2.10 and CentOS 7, OV3600 failed to complete an IAP firmware upgrade after sending firmware upgrade files to the IAPs. This issue is resolved in OV3600 8.2.10.1.	OV3600 8.2.10.0
DE33646	OV3600 8.2.10.1 resolves an issue that allowed the **Client** and **Usage** graphs on the **Home > Overview** page to display significantly fewer clients and usage levels than expected for brief intervals.	OV3600 8.2.10.0

Table 7: *Issues Resolved in OV3600 8.2.10*

Bug ID	Description	Reported Version
DE25667	Security improvements ensure that user access to API and CSV download data are restricted to only those users whose roles explicitly allow them to view that information.	OV3600 8.2.9.0

Bug ID	Description	Reported Version
DE28187	Client session reports could include information for external unsupported MDM servers in the **Asset Category** and **Asset Group** lists and charts. To resolve this issue, the **Session Data by Asset Group** and **Session Data by Asset** options are removed from the list of available **Client Session** report widgets on the **Reports > Definitions** page, and from the output of **Client Sessions** reports.	OV3600 8.2.9
DE28614	The **Simulate Failure** option that appears when you select an AP on the **VisualRF > Floor Plans** page is improved in this release, resolving an issue that required a user to click on the **Simulate Failure** option twice to enable that feature, or that could incorrectly unsimulate multiple devices if the **Unsimulate Failure** option was selected.	OV3600 8.2.3.1
DE29306	Improvements in OV3600 8.2.10 allow Instant APs send AppRF data to OV3600 more frequently than in previous releases. In previous releases, Instant APs reported AppRF data every fifteen minutes, which could prevent OV3600 from displaying information for users that stay on an AP for a shorter amount of time.	OV3600 8.2.3.1
DE31038	Improvements to how OV3600 manages devices with an LMS IP address of 0.0.0.0 resolves an issue that prevented OV3600 from correctly determining the client count in deployments that included a device with that LMS IP.	OV3600 8.2.0.0
DE31368	The **Folder Overview** section of the **Home > Overview** page now correctly displays information for the **Top** folder by default, resolving an issue where another folder would display in the default view.	OV3600 8.2.5.1
DE31906	When you export a bill of materials that includes the **Show Heatmap** option on the **VisualRF > Floor Plans** page, the heatmaps on the **Bill of Materials** report now accurately reflects the configured **Signal Cutoff** value for that floor plan.	OV3600 8.2.7
DE31997	OV3600 now displays the IPv4 and IPv6 addresses for clients with both IP address types, resolving an issue where the **Clients > Client Detail** page displayed only an IPv4 *or* an IPv6 address for these devices.	OV3600 8.2.7
DE32367	The Refresh icon () on the **VisualRF > Floor Plans** page now correctly refreshes the page for users logging in with a read-only role for that OV3600 server.	OV3600 8.2.7.1
DE32373	Planned APs no longer incorrectly broadcast heat maps on the **VisualRF > Floor Plans** page if the **TX power** setting for these devices is set to 0dBm.	OV3600 8.2.7.1
DE32375	An issue is resolved that allowed the **Devices > Monitor** page to display incorrect information for an IPv6-managed device in the **Conductor IP** and **Cluster** fields.	Alcatel-Lucent AOS-W 8.4
DE32551	In deployments with Cisco switches deployed via OV3600, valid devices could be incorrectly classified as rogue devices by the **Detected on Wireless and LAN** classification rule. If the rogue device was deleted from OV3600, its discovery event history was not deleted. If the rogue was subsequently rediscovered, OV3600 retained the history of discovery events for that device.	OV3600 8.2.8.0
DE32597	OV3600 executed the **show user mac <client mac>** command on the incorrect Managed Device in a Mobility Conductor/Managed Device deployment, causing the **Clients > Client Detail** page for the client and the **Devices > Monitor** page for the AP to which the client was associated to display inconsistent controller information.	OV3600 8.2.7.1

Bug ID	Description	Reported Version
DE32601	OV3600 executed the **show ap virtual-beacon-report client-mac <client mac address>** command on a Managed Device instead of Mobility Conductor in a Mobility Conductor/Managed Device deployment, causing the **Clients > Client Detail** page for the client to display inconsistent Switch information.	OV3600 8.2.7.1
DE32619	Improvements to the OV3600 backup processes allow OV3600 to correctly create backups in a deployment where the OV3600 server has separate partitions for */var/airwave-backup* and */var/ampcli/users*. In the event that a partition does not allow OV3600 to use a hard link to create a backup, the backup file is manually copied across partitions.	OV3600 8.2.7.1
DE32627	An issue is resolved where the **Topology** page didn't display aggregated links between switches properly. When this issue occured, all links between core and end switches wereaggregated links and only two links in the topology map had a circle in the middle, which denoted an aggregated link.	OV3600 8.2.7.0
DE32629	Alcatel-Lucent switches monitored as a group now display correct aggregate usage data on the **Groups > Monitor** page.	OV3600 8.2.8
DE32637	OV3600 can use AMON to monitor wired clients in deployments running Alcatel-Lucent AOS-W 8.4 or later releases. Deployments running previous versions of Alcatel-Lucent AOS-W can monitor wired clients using SNMP only, which can cause a client count mismatch when switching between AMON and SNMP monitoring protocols.	Alcatel-Lucent AOS-W 8.3.x
DE32658	OV3600 no longer considers subscription licenses to be a type of evaluation license, so the **Home > License** page no longer displays warning messages about evaluation license for any subscription licenses on the system.	OV3600 8.2.7.1
DE32677	Clients that complete MAC authentication and are hard-wired to an Aruba switch now correctly increment the number of connected devices in the **Clients** field of the **Devices > Monitor > Summary** page, and in the **Clients** counter in the top header of the OV3600 WebUI.	OV3600 8.2.7.1
DE32684	An issue is resolved where the **Usage** graph on the **Home > Overview** page did not correctly display information for a DataZone SSID because the **Sources** drop-down menu on this graph did not display the DataZone SSID as an option in the list of available SSIDs.	OV3600 8.2.8.1
DE32699	OV3600 displays consistent information about the number of clients on a selected SSID when this information is viewed on the **Clients** graph on the **Home > Overview** page and the **Clients** section of a network usage report for that SSID.	OV3600 8.2.7.0
DE32714	The Instant GUI Config (IGC) feature failed to correctly push policy text for a captive portal splash page when the text contained special characters in Portuguese.	OV3600 8.2.8.1
DE32747	The **Authentication** table on the **Home > Clarity** page incorrectly displayed information about active APs in the list of authentication servers. When one of these APs was selected from the **Authentication** table, the **Clarity > User Details** table also incorrectly indicated that the AP was an authentication server.	OV3600 8.2.6.1
DE32754	An issue is resolved where OV3600 failed to push a template to Alcatel-Lucent 2930F switches when enhanced security was enabled on the switch template using the **Do you want to show sensitive information (y/n)?** option.	OV3600 8.2.4.3

Bug ID	Description	Reported Version
DE32762	OV3600 includes two 1024-bit Digital Signature Algorithm (DSA) keys in the /etc/ssh folder, even though the OV3600 sever uses a more secure RSA key when connecting to the server. These two DSA keys could be manually removed but would be recreated when the SSHd service was restarted, and could cause a Qualys vulnerability scan to trigger an alert for vulnerability **QID 38738: SSH Server Public Key Too Small**.	OV3600 8.2.7.1
DE32783	OV3600 displays the channel width used by an Instant APs radio on the **Devices > Monitor > Radio Statistics** page.	OV3600 8.2.7.1
DE32818	An issue is resolved where the restart of an internal *rrdcached* service allowed the **Clients** and **Usage** graphs on the **Home > Overview** page to incorrectly show zero clients and usage levels for a few moments before again displaying correct data.	OV3600 8.2.8.1
DE32819	**Bill of Materials** reports generated from the **VisualRF > Floor Plans** page correctly display AP names, resolving an issue that allowed the names of some APs at the bottom of the floor plan to get cut off on the report.	OV3600 8.2.8.1
DE32828	The **VisualRF > Floor Plans** page correctly displays floor plans imported from Ekahau backups, resolving an issue where backup campuses were created without floor plans.	OV3600 8.2.8.1
DE32839	OV3600 now validates the required a eight-character password for SNMPv3 users when configuring SNMP on the **Device Setup > Add** page and the **Devices > Manage** page, resolving an issue where the eight-digit minimum character requirement was validated on the **Device Setup** pages only.	OV3600 8.2.8.2
DE32845	OV3600 was sending a large number of false positive alerts for rogue APs based upon information sent to OV3600 from Instant APs. Improvements to the alerts sent from Instant APs to OV3600 resolved this issue. The current behavior is that OV3600 will not report a recorded client as rogue, no matter how long ago it connected to OV3600.	OV3600 8.2.8.1
DE32880 DE33006	Insufficient SNMP packet sizes on HPE Comware switches prevented OV3600 from correctly displaying the switch on the **Home > Topology** page and triggered SNMP polling error messages in the system event logs. To resolve this issue, increase the SNMP packet size on the switch from 1500 to 3500 using the command **snmp-agent packet max-size 3500**	OV3600 8.2.8.2
DE32895	The **Send Test Email** feature available when configuring a mail relay server on the **OV3600 Setup > General > Additional OV3600 Services** page has been improved to prevent a potential Cross-site Scripting (XSS) command injection vulnerability.	OV3600 8.2.9.0
DE32896	The VisualRF feature that allows users to import Floor Plans from various sources has been improved to prevent a potential XML External Entity (XXE) vulnerability that could allow the execution of unauthorized commands on the OV3600 server.	OV3600 8.2.9.0
DE32897	The certificate import feature available on the **Device Setup > Certificates** page has been improved to prevent a potential XML External Entity (XXE) vulnerability that could allow users to execute unauthorized commands on the OV3600 server as an apache user.	OV3600 8.2.9.0
DE32899	OV3600 8.2.10 is improved to prevent a potential preauthorization SQL injection vulnerability in the OV3600 authentication cookie.	OV3600 8.2.9.0

Bug ID	Description	Reported Version
DE32910	VisualRF backups can now be restored from both the OV3600 command-line interface and the WebUI.	OV3600 8.2.8.2
DE32945	OV3600 was unable to recognize a VLAN range configured on a Switch as a valid uplink for WAN monitoring, causing gaps in the data on **Usage** table in the **Home > Overview** page.	OV3600 8.2.8.2
DE32978	Improvements to **Network Usage** reports allow these reports to correctly display **Usage** and **Clients** graphs for all subfolders when the SSIDs field for the report definition on the **Reports > Definition** page is set to **Use Selected SSIDs**, and all available SSIDs are selected.	OV3600 8.2.5.0
DE32986	In a deployment with Instant APs connected in a daisy-chain mode (where an OAW-IAP's downlink port is used to connect to the other OAW-IAPs), the **Devices > Monitor > Neighbors** page failed to correctly display all LLDP neighbors for the device, even though all neighbors are showing correctly on the **Home > Topology** page.	OV3600 8.2.9.0
DE32998	In a deployment where the *nightly_data*.tar.gz* and *weekly_data*.tar.gz* files were customized by adding additional characters to the beginning of the file names, a local backup file taken before a failover incorrectly included files with these customized names, making the local backup extremely large and delaying the failover process. This issue is resolved in OV3600 8.2.10, as OV3600 now excludes all files of the pattern *****nightly_data*.tar.gz* and *****weekly_data*.tar.gz*. Best practices is to either remove old backups after restoring them on recovered/reinstalled systems, or maintain nightly/weekly naming conventions for backup files.	OV3600 8.2.8.2
DE33024	Improved API security in OV3600 8.2.10 prevents authorized users from changing label inputs on OV3600 charts and graphs.	OV3600 8.2.7.1
DE33038	The **Home > Topology** page now allows you to select multiple folders and view the contents of just those selected folders in an expanded view. Previous releases only displayed an expanded view of all folders or a single selected folder.	OV3600 8.2.7.0
DE33047	An issue is resolved that prevented users from changing the time zone setting of the OV3600 server using the **Configuration > Set Timezone > [continent or ocean] > [country]** settings in the OV3600 command-line interface.	OV3600 8.2.4.3
DE33056	OV3600 failed to back up a Switch after the OV3600 server upgraded from OV3600 8.2.7.1 to OV3600 8.2.8.2, because some ciphers supported by the Switch were missing in OV3600 8.2.8.2. Starting with OV3600 10, a new **3 Configuration > 5 SSHD > 2 User Compatible Ciphers** setting in the command-line interface enables weak ciphers **aes128-cbc**, **aes192-cbc**, and **aes256-cbc** if the config file has ciphers set and these algorithms are not part of the existing OV3600 ciphers.	OV3600 8.2.8.2
DE33063	By default, OV3600 supports the following strong ciphers. ■ DHE-RSA-AES128-SHA ■ DHE-RSA-AES256-SHA ■ DHE-RSA-AES128-SHA256 ■ DHE-RSA-AES256-SHA256 ■ ECDHE-ECDSA-AES128-SHA256 ■ ECDHE-ECDSA-AES256-SHA384 ■ ECDHE-ECDSA-AES128-GCM-SHA256 ■ ECDHE-ECDSA-AES256-GCM-SHA384	OV3600 8.2.7

Bug ID	Description	Reported Version
	The **OV3600 Setup > Authentication > LDAP Authentication** fields in the OV3600 WebUI now include a new **Support Deprecated Ciphers** option to allow OV3600 to also use following legacy ciphers: ■ AES128-SHA ■ AES256-SHA ■ DES-CBC3-SHA ■ DHE-DSS-AES128-SHA ■ DHE-DSS-AES256-SHA ■ EDH-DSS-DES-CBC3-SHA ■ EDH-RSA-DES-CBC3-SHA ■ KRB5-DES-CBC3-MD5 ■ KRB5-DES-CBC3-SHA Note: OV3600 does not recommend using legacy ciphers for an extended period of time.	
DE33083	An issue is resolved that caused the **Home > Topology** page to display incorrect edge count, edge icon and edge details information for an aggregated link after a topology restart.	OV3600 8.2.8.2
DE33100	After upgrading to OV3600 8.2.8.2, Aruba 2930 switches were incorrectly showing a DOWN status with the error message **ICMP ping failed after SNMP get failed**. This issue is resolved in OV3600 8.2.10.	OV3600 8.2.8.2
DE33171	Users were unable to use the Instant GUI Config feature to add multiple gateway VPN routes to a group of Instant APs using the **Groups > Instant Config > VPN > Routing** options.	OV3600 8.2.9.0
DE33175	A VisualRF **Bill of Materials** report generated for floor plans with a large number of APs displayed errors and could not be opened using Microsoft Word.	OV3600 8.2.9.0
DE33177	When AP device groups and AP folder names contained non-ASCII (UTF-8) characters such as Japanese characters, the **Systems > Triggers** page could display the error message "The server has encountered an error while performing your request" and failed to display correct trigger data. This issue is resolved for OV3600 8.2.10 deployments in a CentOS7-based environment only. The fix for this issue is not supported by deployments based on CentOS6.	OV3600 8.2.8.1
DE33182	Users were unable to use the Instant GUI Config feature to create two profiles with the same ESSID, even though these profiles could be defined on a standalone virtual Switch.	OV3600 8.2.9.0
DE33215 DE33188	After upgrading from OV3600 8.2.8.2, Aruba switches displayed an error status in the **Devices List** table on the **Devices > List** page. Improvements to how **Message of the Day** (MOTD) banner messages are displayed have resolved this issue.	OV3600 8.2.8.2
DE33241	OV3600 introduces updated CentOS6 and CentOS 7 security RPMs. OV3600 security has also been improved to support the following CentOS security vulnerability updates: ■ RHSA-2018:1879--glibc security and bug fix update ■ RHSA-2018:2180--gnupg2 security update ■ RHSA-2018:2284--yum-utils security update ■ RHSA-2018:2892--glusterfs security, bug fix, and enhancement update ■ RHSA-2018:3854--ntp security update ■ RHSA-2019:1467-- python security update	OV3600 8.2.9.1

Bug ID	Description	Reported Version
	▪ RHSA-2019:1652--libssh2 security update ▪ RHSA-2019:1492--bind security update ▪ cve-2019-13139--command injection flaw	
DE33263	Enhanced support for Alcatel-Lucent APs that support 802.11ax resolves an issue that allowed the system event logs to display the error message *Internal Error: Couldn't determine class for type 'ax'* in deployments that included 802.1ax APs such as the OAW-AP-515.	OV3600 8.2.9.1

Table 8: *Issues Resolved in OV3600 8.2.9.1*

Bug ID	Description	Reported Version
DE33131	OV3600 8.2.9.1 contains the kernel security update for Red Hat Enterprise Linux 6. Refer to RHSA-2019:1488 for information about the security advisory.	OV3600 8.2.9.0
DE33116	After upgrading the software version to OV3600 8.2.9.0, OV3600 reported all Instant APs as being down. This issue was due to message formatting change for the Alcatel-Lucent AOS-W 8.5.0.0 Instant AP firmware.	OV3600 8.2.9.0
DE33093 DE33092	From the **Clients** menu, when filtering the client connection mode in the default view by 802.11ax, OV3600 displayed the value "RADIO_MODE-ENUM-VALUE-X/Y" Now, OV3600 displays **"11ax"**.	OV3600 8.2.9.0
DE33440	The **Audit Configuration on Devices** feature stopped working after the OV3600 server was upgraded to a newer version of OV3600, and the **Configuration** field on the **Devices > Config** page for impacted devices displayed the message **Telnet/SSH Error: (pattern match timed-out) in password failure**. This issue is resolved by upgrading to OV3600 8.2.10.	OV3600 9.2.9.1

Table 9: *Issues Resolved in OV3600 8.2.9.0*

Bug ID	Description	Reported Version
DE32997	In the *OV3600 8.2.9 User Guide*, the description for the **Help improve OV3600 by sending anonymous usage data** has been updated.	OV3600 8.2.x.x
DE32971	OV3600 8.2.9 contains the kernel security and bug fix update for Red Hat Enterprise Linux 6. Refer to RHSA-2019:1169 for information about the security advisory.	OV3600 8.2.9.0
DE32919	The failover OV3600 didn't take over for the primary OV3600 due to ltree objects included in the backup. This issue was previously reported as DE32013 and fixed in OV3600 8.2.8.2.	OV3600 8.2.9.0
DE32859	You couldn't resize an Ekahau backup floor plan in VisualRF.	OV3600 8.2.8.2
DE32851	The *OV3600 8.2.9 User Guide* now includes Appendix C, "VisualRF and Performance".	OV3600 8.2.8.2
DE32838	Upgrading from OAW-IAP 6.5.1.5 to OAW-IAP 6.5.4.12 broke OV3600 communication.	OV3600 8.2.7.1

Bug ID	Description	Reported Version
DE32759	OV3600 became unresponsive and had to be rebooted.	OV3600 8.2.7.0
DE32723	AP names weren't updated in VisualRF after being renamed in OV3600.	OV3600 8.2.7.1
DE32709	Conductor Console search queries weren't optimized and slowed down communication with OV3600.	OV3600 8.2.7.0
DE32668	OV3600 becomes unresponsive and has to be rebooted in order to get SSH access.	OV3600 8.2.7.0
DE32667	The *OV3600 8.2.9 Switch Configuration Guide* has been updated with examples of configuring ZTP with templates and variables for Alcatel-Lucent AOS-W switches.	OV3600 8.2.8.1
DE32636	OV3600 displayed the wrong radio channels in the RF neighbor list.	OV3600 8.2.7.1
DE32632	OV3600 8.2.9 addresses an XSS vulnerability found in the index.html file.	OV3600 8.2.8.1
DE32624 DE32258 DE32257	OV3600 8.2.9 addresses an XML External Entity (XXE) vulnerability found in the XML parser.	OV3600 8.2.6.1 OV3600 8.2.7.1
DE32596	Additional changes to the Ethernet bonding workflow was required. OV3600 8.2.9 introduces an Enter Command to remove Ethernet bonding, called **remove_ethernet_bonding**. This new command will not remove bonding if the bonding was created using shell access, as it relies on the ethernet_bonding path to save the pre-bonded state.	OV3600 8.2.5.0
DE32585	You couldn't manually override a rogue classification when the rogues cache file was greater than 6.6 GB.	OV3600 8.2.7.1
DE32562	OV3600 displayed flat lines in graphs after the internal Rabbitmq process crashed.	OV3600 8.2.7.0
DE32541	OV3600 8.2.9 addresses an XSS vulnerability found when calling the RRD export tool using a URL.	OV3600 8.2.8.0
DE32540	OV3600 8.2.9 addresses an XSS vulnerability found in RAPIDS URL variables.	OV3600 8.2.8.0
DE32455	The underlying Alcatel-Lucent AOS-W defect which caused channel utilization and config page issues for APs monitored with IPv6 has been fixed.	OV3600 8.2.7.1
DE32423	Previously, when the database was down, the OV3600 CLI menu was be unreachable. The fix removes the dependency on database, no longer requiring data from the database in order to load OV3600 CLI menu.	OV3600 8.2.7.1
DE32414	The interference calculation which caused the channel utilization graph errors has been fixed.	OV3600 8.2.7.1
DE32382	In OV3600 8.2.7.1, you couldn't transfer or upload a file on the OV3600 from the OV3600 CLI using the Advanced menu option 8-7. Permissions on files that the file transfer user can see have been adjusted.	OV3600 8.2.7.1

Bug ID	Description	Reported Version
DE32291	After upgrading from OV3600 8.2.6.1 to OV3600 8.2.7.1, the previously installed custom certificate trust chain wasn't copied from the OV3600 8.2.6 Java certificate store to the upgraded Java certificate store. This issue has been fixed using the OV3600 CLI and selecting **9-3** for the **Add SSL Certificate** option.	OV3600 8.2.7.1
DE32267	Clients graph for tunneled client fluctuated every 7 minutes if **Prefer AMON vs SNMP Polling** was enabled. This issue occurred in an Alcatel-Lucent AOS-W 8 setup. OV3600 shows the client count and then disconnects, dropping to zero, every 7 minutes.	OV3600 8.2.7.1
DE32256	OV3600 8.2.9 addresses an XSS vulnerability found when running the RF health report for a folder.	OV3600 8.2.7.1
DE32255	OV3600 8.2.9 addresses an XSS vulnerability found in VisualRF XML files.	OV3600 8.2.7.1
DE32211	OV3600 8.2.9 addresses an XSS vulnerability exercised by nested calls to Alcatel-Lucent AP groups.	OV3600 8.2.7.1
DE32202	OV3600 8.2.9 addresses an XSS vulnerability found in nested template names.	OV3600 8.2.7.1
DE32201	OV3600 8.2.9 addresses an XSS vulnerability found in discovery scan credentials.	OV3600 8.2.7.1
DE32019	Cisco 2600 and 2700 APs showed the wrong radio interface information, and the transmit power couldn't be determined for some of the interfaces.	OV3600 8.2.7.0
DE31978	PDF floor plans weren't clear after you uploaded them into VisualRF.	OV3600 8.2.7.0
DE31793	When you configured **AP Fully Qualified Domain Name Options** under Display in AMP settings to **Use AP Name and FQDN** and if the AP name began with a lower case letter, OV3600 didn't prepend the AP name to the FQDN.	OV3600 8.2.7.0
DE31782	Network scan discovery failed for Cisco 3650 and 3850 switches if the native VLAN (VLAN1) wasn't configured in Interfaces 1 to 8.	OV3600 8.2.7.1
DE31779	OV3600 failed to sync to the Net Cool NMS server using SNMPv3.	OV3600 8.2.6.0
DE31719	There was no option to regenerate the self-signed certificate on OV3600 using the CLI. Now, you can select **9-13** from the Security menu to regenerate the self-signed certificate.	OV3600 8.2.7.0
DE31690	FTP export feature in reports didn't work.	OV3600 8.2.6.1
DE31577	When performing a manual failover for testing, you couldn't disable OV3600 using the CLI . Now, there is an Advanced menu option that lets you enable or disable the OV3600. At the CLI prompt, select 8 to open the Advanced menu, then select 2.	OV3600 8.2.6.1
DE31572	VisualRF some times created duplicate walls if you deselected the option to draw a wall and then selected a previously drawn wall. This issue affected heatmaps for planning and deploying APs because the walls contributed to attenuation.	OV3600 8.2.7.1

Bug ID	Description	Reported Version
DE31265	OV3600 didn't display the CPU utilization graph.	OV3600 8.2.3.1
DE31030	When creating a new floorplan and adding campuses, the new campus wasn't available in the drop-down menu. This issue occurred even though you provided an address when creating a new building in the campus.	OV3600 8.2.6.0
DE30742	Open Virtual Machine Tools (open-vm-tools), which is installed during an OV3600 installation or upgrade, runs automatically when the system starts. Now, you can permanently disable this set of services and modules from the CLI using the Enter Commands menu.	OV3600 8.2.6.0
DE30738	System check for serial port was flooding syslog. The fix requires a reboot after the upgrade to OV3600 8.2.9 to force the re-run of hardware detection to adjust configuration as needed.	Not available

Known issues and workarounds in OV3600 8.2.12.1, 8.2.12.0, 8.2.11.1, 8.2.11.0, 8.2.10.1, 8.2.10, 8.2.9.1, and 8.2.9.0 are described in the tables that follow.

Known issues in OV3600 8.2.12.1

Bug ID	Description	Reported Version
DE33876	The npm package included with OV3600 is reported as vulnerable when security scan is run with strict profile settings on OV3600.	OV3600 8.2.12.0
DE34311	User is unable to view the complete configuration through OV3600 if the banner is configured in AOS-CX Switches.	OV3600 8.2.10.1
DE34672	Security scan on OV3600 reports NodeJS Debugger Command Injection when ran with strict profile setting.	OV3600 8.2.12.0
DE34756	The user is able to monitor or view the Cisco 9800 WLC device in **Devices > List > Devices List** table. However, the **Location** column in the **Device List** table does not display any data corresponding to the device. Also, the event logs for the controller displays the **Not applying configuration because thin APs have not read configuration** error message.	OV3600 8.2.12.0
DE34784	The **Traffic analysis** page in the OV3600 8.2.11.2 WebUI displays IP addresses instead of user names for all VPN users.	OV3600 8.2.11.2
DE34786	Traffic Analysis data is missing even though the data is within the "Traffic Analysis Data Retention Interval"	OV3600 8.2.11.0
DE34810	Native VLANs and Tagged VLANs for the AOS-CX switch interfaces are not supported in **Devices > Interfaces** page. Also, these VLANs will not be listed in **Home > Topology** page.	OV3600 8.2.11.2
DE34849	SSH or Telnet command timed out message appears in AMP **Events Log** and Controller configuratio backup fails, although SSH or Telnet credentials are correct in the OV3600 UI.	OV3600 8.2.11.1
DE34895	When a user clicked, **Plan by Distance > Add APs to Floorplans**, APs did not get added. This issue occurs when the grid size is changed. **Workaround**: Click down arrow again in **Plan By Distance**, then, click **Add APs to Floorplan**.	OV3600 8.2.12.0
DE34913	A delay is observed while importing bigger floor plans with many floors and APs. The AP count also takes some time to display the actual count in the properties.	OV3600 8.2.0.0
DE34943	When the VisualRF user selected the Alcatel AP-367 on the floor plan, the **Properties** taskpane does not display the **Orientation** field. The **Orientation** field appears when the user selects an Alcatel-Lucent AP.	OV3600 8.2.12.0
DE34959	The **Match Events** table in the **Clients** > **Diagnostics** page does not display the **Reasons** section. However, the reasons are displayed in AMON and controllers.	OV3600 8.2.12.0

Bug ID	Description	Reported Version
DE34965	The **Clients** graph in the OV3600 UI indicates drop in the client count when the RabbitMQ service restarts.	OV3600 8.2.12.0

Known issues in OV3600 8.2.12.0

Bug ID	Description	Reported Version
DE33469	Template push is not working for Comware switches and the log files lists the reason for the event as **Failed to get file**. This issue occurs because the configuration file transfer protocol gets automatically set to tftp and tftp command is not working in comware switch itself.	OV3600 8.2.8.2
DE33815	OV3600 server WebUI was not accessible in OV3600 8.2.9.1 version onwards. The log file lists the reason for this event as **Apache alive (for 15 minutes already), but no ServiceWatcher; restarting and Exiting due to memory limits (PID: 14004; RSS: 2501; Limit: 2500)**. **Workaround:** Restart services.	OV3600 8.2.9.1
DE33876	The npm package included with OV3600 is reported as vulnerable when security scan is run with strict profile settings on OV3600.	OV3600 8.2.12.0
DE33904	RabbitMQ is restarting intermittently and Rabbit MQ becomes unresponsive in OV3600 8.2.10.1 and later versions.	OV3600 8.2.10.1
DE34036	APs count will be updated in the list view every five minutes only. This is based on automatic caching mechanism implemented for performance improvement. However, in the map view, the count will be updated immediately.	OV3600 8.2.11.0
DE34138	A **Network Usage**, **Usage by SSID** report did not display the same usage information in the **Session Data by SSID** tables as appeared in the **Usage SSID** traffic analysis tables for the same time period.	OV3600 8.2.10.1
DE34147	The **Clusterless Mesh Name** field on the **Groups > Instant Config** page of the OV3600 WebUI doesn't display the first character of the mesh name for OAW-IAP225 and OAW-AP115 Instant APs.	OV3600 8.2.10.1
DE34206	When OV3600 generated a client session report for 30 days of data, the **Client Session Summary** section of the report did not display any client session data.	OV3600 8.2.9.1
DE34313	OV3600 sends a large number of false positive alerts for rogue APs based upon information sent to OV3600 from Instant APs. OV3600 will not report a recorded client as rogue, no matter how long ago it connected to the OV3600 server.	OV36008.2.11.0
DE34336	An OV3600 server is unable to establish a TLS connection and complete authentication to a Windows LDAP server, which displays the error message, **The client and server cannot communicate, because they do not possess a common algorithm**.	OV3600 8.2.11.0
DE34376	OV3600 failed to apply configuration changes to a group. The **Group > Monitor** page for the device group displayed the messages, **Applying configuration changes to devices where necessary and Note: Changes are being applied in the background**, but the configuration changes were stuck in a pending state and failed to complete.	OV3600 8.2.9.1

Bug ID	Description	Reported Version
DE34439	The **New Devices** page in the WebUI wrongly displays the IP address and base MAC address of a switch that has already been added and validated in OV3600 before.	OmniVista 3600 Air Manager 8.2.10.1
DE34447	Instant config WebUI page displays mismatched ACLS for few virtual controllers because of the following ACLs are repeated twice. ■ rule 192.168.0.0 255.255.0.0 match any any any deny ■ rule 10.0.0.0 255.255.0.0 match any any any deny ■ rule 172.16.0.0 255.255.0.0 match any any any deny **Workaround:** Delete the repeated ACL on each virtual controller by navigating to **Security > Roles**.	OV3600 8.2.11.0
DE34451	OV3600 is unable to push automatic backup to external SFTP server. **Workaround:** Manually send the file using AMP CLI.	OV3600 8.2.11.0
DE34465	User is unable to collect the backup of HPE Comware switch 5945 on OV3600 server.	OV3600 8.2.11.0
DE34509	Values on channel utilization graphs do not match with the values on RF health report instead they show average values in OV3600 8.2.11.0 servers.	OV3600 8.2.11.0
DE34535 DE34627	The Power switch status in OV3600 8.2.11.1 is incorrectly updated as UP when there are 2 power supplies and one power supply is removed.	OV3600 8.2.11.1
DE34548	In OV3600, a template is successfully created for devices that are configured with a password. When a factory device with 16.10.0009 or later firmware versions is zero-touched provisioned (ZTP) in OV3600, the template is successfully created. However, when users provision ZTP for an older firmware factory device that does not have a password, the template is not created.	OV3600 8.2.12.0
DE34555	The client location information is incorrect on a few floors in VisualRF. This issue is observed in floors which has the width around 860 feet and grid size was 10x10.	OmniVista 3600 Air Manager 8.2.10.1
DE34572	OV3600 didn't push the configurations to IAP. The IAP was shown as **Mismatched** on OV3600.	OmniVista 3600 Air Manager 8.2.10.1
DE34586	The OV3600 support encrypted PGP file too large to be typed manually.	OV3600 8.2.11.2
DE34626	Every 10 to 15 minutes, a drop in client and usage graph is observed in OV3600 Servers upgraded to OV3600 8.2.11.2 version.	OV3600 8.2.11.2
DE34630	Generating reports are getting stuck in either pending or in progres state. This issue is observed in OV3600 servers running OV3600 8.2.11.1 versions.	OV3600 8.2.11.1
DE34632	In the Aruba Switch Monitoring page, the wired authenticated and tunneled clients are not displayed. The authenticated clients are displayed in neighbor table instaed of in connected devices.	OV3600 8.2.11.1
DE34633	User is unable to push crypto pki cert configuration to switches.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34634	When the user tries to upload the firmware to 8.6.0.4 under Device Setup > Upload firmware page for both 9004 and 9012 controllers, OV3600 is unable to recongnize the firmware for 9004 controllers.	OV3600 8.2.11.0
DE34635	The **Group** and **Folder** options are not visible when a user edits an exisitng report definition.	OV3600 8.2.11.1
DE34639	Few APs are displayed incorrectly as down in OV3600 8.2.11.0. This issue occurs in APs terminating on HP 870 controllers.	OV3600 8.2.11.0
DE34645	Traffic analysis report generated for a month's data is lesser than the one's generated for a week.	OV3600 8.2.11.2
DE34647	False client speed alerts are triggered in OV3600 servers running 8.2.10.1 versions. This issue occurs when a user has configured a client speed trigger to alert if the client's speed drops to 1 mbps for a duration of 1 hour but the alerts are getting generated even if the speed has not dropped for 1 hour.	OV3600 8.2.10.1
DE34652	When a new user accesses the **VisualRF > Floor Plans > List** page, the existing campuses are not displayed immediately.	OV3600 8.2.12.0
DE34653	The duration time of the VPN session is displayed incorrectly in OV3600 8.2.11.1. This issue is observed in IAPs running ArubaOS 6.5.4.14 or ArubaOS 8.6.0.2.	OV3600 8.2.11.1
DE34654	Visual RF fails to start with the error, **VisualRF server shutting down due to error java.net.BindException: Address already in use**. This issue is observed when the OV3600 server was upgraded from OV3600 8.2.11.1 to OV36008.2.11.2 version.	OV3600 8.2.11.2
DE34655	From controller CLI, user noticed that the OV3600 server repeatedly tried to login to the controller and also had many authentication failures.	OV3600 8.2.10.1
DE34656	User is unable to see OOBM ports in the switch monitor page in OV3600 , although it is displayed in the Port usage report.	OV3600 8.2.11.2
DE34661	In a failover server, the graphs in **System > performance** does not display any value. **Workaround:** Reboot the server.	OV3600 8.2.11.0
DE34669	Client and usage graphs do not display any value and are flat-lined. This issue occurs because no data is processed.	OV3600 8.2.10.1
DE34672	Security scan on OV3600 reports NodeJS Debugger Command Injection when ran with strict profile setting.	OV3600 8.2.12.0
DE34675	OV3600 reports are failing randomly. The log files list the reason for the event as memory error.	OV3600 8.2.11.2
DE34678	IAPs are stuck in **Verifying** state in OV3600 running 8.2.11.2 version.	OV3600 8.2.11.2
DE34688	New APs in the mesh cluster is not coming up in OV3600 and also, the mesh IAP cluster details are not getting updated in the OV3600 server running 8.2.11.2 version.	OV3600 8.2.11.2

Bug ID	Description	Reported Version
DE34691	Scriptorium logs are increasing rapidly and filling up the "/var/log" directly.	OV3600 8.2.11.1
DE34697	The notification icon on the **Home** > **Overview** page of the WebUI does not display any pop-up message when users click the notification icon.	OmniVista 3600 Air Manager 8.2.11.2
DE34698	The APs radio transmit power is displayed as **0 dBM** in the **Inventory** > **Devices** report.	OV3600 8.2.11.1
DE34700	When a user creates a **Folder** or **Group** in the **Devices > List** page with non-ASCII characters, a garbled folder or group name is displayed while adding deployed APs onto the Floor Plan. When you disable and enable the Floor Plan, the correct folder or group name is displayed.	OV3600 8.2.11.2
DE34703	The Topology page does not load properly after upgrading OV3600 to 8.2.11.2 version.	OV3600 8.2.11.2
DE34712	ZTP switches did not take the SNMPv3 credentials configured on **Device Setup > Communication** page.	OV3600 8.2.11.1
DE34713	The Aruba branded Alcatel Lucent AP515 and AP535 device models are not recognized on Alcatel OV3600.	OV3600 8.2.12.0
DE34714	Client session report based on connection mode for 802.11ax updates individually for both the radios (2.4 GHz and 5 GHz), but the radio information is not explicitly displayed.	OV3600 8.2.11.2
DE34715	Users are unable to view the client information on the **VisualRF** > **Floor Plans** page in the WebUI when a rabbitmq crash occurs. **Workaround**: Restart the server.	OmniVista 3600 Air Manager 8.2.11.2
DE34719	The "HSTS Missing From HTTPS Server" vulnerability is present in OV3600 servers.	OmniVista 3600 Air Manager 8.2.11.2
DE34720	The clients connected in the 11ax 5GHz mode are not avialable in the **Connection Summary** graph of the **Home > RF Performance** tab.	OV3600 8.2.11.1
DE34723	The OV3600 WebUI and VisualRF with a large number of APs takes a long time to load in OV3600 servers running OV3600 8.2.11.2 version.	OmniVista 3600 Air Manager 8.2.11.2
DE34729	OmniVista 3600 Air Manager does not support special characters in the folder name except the following: ■ full stop (.) ■ Underscore (_) ■ space ( ) ■ single quote (') ■ @ sign (@) ■ hyphen (-)	OV3600 8.2.12.0
DE34730	The /var/log/ partition becomes full due to increase in the size of device_event log file in the extending to gigabytes.	OV3600 8.2.12.0

Bug ID	Description	Reported Version
	Workaround: The entries in the log file must be added to the hourly log rotate file.	
DE34734	The mac address, admim-status, and operational status for management interface is not displayed in the OV3600 WebUI. This issue is observed only in 8360 switches.	OV3600 8.2.12.0
DE34736	On the **VisualRF** page, users with defined roles can see all the existing campus and buildings from the **List** view.	OV3600 8.2.11.2
DE34737	The LLDP discovery process crashes and restarts automatically due to slow performance while polling few OV3600 devices.	OmniVista 3600 Air Manager 8.2.11.1
DE34738	Most clients appear outside the floor plan on the top left corner in VisualRF.	OV3600 8.2.11.2
DE34741	This affects the Single Sign On feature login from OV3600 to Controller WebUI for users on AOS-W 8.7.0.0 firmware only. For users on firmware version prior to 8.7.0.0 version, Single Sign On from OV3600 to Controller WebUI should work as expected.	OV3600 8.2.12.0
DE34750	In the OV3600 WebUI, when a user runs the `show user mac` command in the **Clients > Client Detail** page, the command executes with no output.	OV3600 8.2.11.2
DE34753	The **Devices > Monitor** page in OV3600 WebUI does not display connected devices. This issue is observed in OV3600 servers running 8.2.11.1 and later versions.	OmniVista 3600 Air Manager 8.2.11.1
DE34755	IAPs stuck in processing for config status after the IAPs moved to a new group tried pushing the TACACS server timeout setting.	OV3600 8.2.11.2
DE34756	The user is able to monitor or view the Cisco 9800 WLC device in **Devices > List > Devices List** table. However, the **Location** column in the **Device List** table does not display any data corresponding to the device. Also, the event logs for the controller displays the **Not applying configuration because thin APs have not read configuration** error message.	OV3600 8.2.12.0
DE34760	**RF Health** report shows incorrect count of devices on Random Basis.	OV3600 8.2.11.2
DE34763	The **Devices** > **List** page displays the **Status** of few APs as **Down** in the WebUI. This issue is observed when the users import APs from whitelist csv files.	OV3600 8.2.11.2
DE34764	The command to obtain data path session for a specific client, `show data path session table <Client_IP_Address>`, is missing.	OV3600 8.2.11.2
DE34767	Users are unable to export the generated reports to the SCP server from the MC server.	OV3600 8.2.10.1
DE34768	Cisco 9130 AP displays incorrect model and status in OV3600 servers running 8.2.11.1 version.	OmniVista 3600 Air Manager 8.2.11.1

Bug ID	Description	Reported Version
DE34774	The **Devices > List** page in the OV3600UI shows random drops in the Clients and Usage graphs. The user views a similar trend in the **Amon Message Processing Rate** graph in the **System > Performance** page.	OV3600 8.2.12.0
DE34776	Users are unable to see the timestamps for switch backups in the OV3600 server.	OV3600 8.2.11.2
DE34777	The client Info details on **VisualRF** page wrongly displays **Phy** name as 11ax though the **Client Diagnostics** page correctly displays **Connection Mode** as 11ac 5GHz for AP-515 access points.	OV3600 8.2.11.2
DE34781	FTP option to export reports is not working.	OV3600 8.2.10.1
DE34782	In the **Devices > Monitor** page, the **Usage** graph do not show data for the tunneled wired clients.	OV3600 8.2.11.2
DE34784	The **Traffic analysis** page in the OV3600 8.2.11.2 WebUI displays IP addresses instead of user names for all VPN users.	OV3600 8.2.11.2
DE34786	Traffic Analysis data is missing even though the data is within the "Traffic Analysis Data Retention Interval"	OV3600 8.2.11.0
DE34788	In the **Reports** > **Generated** page, the **Traffic Analysis Report** and the **Daily Client Session** reports display inconsistent data. In the reports, the total usage by a single client appears lesser than usage by top three applications run in the client.	OV3600 8.2.12.0
DE34792	The OV3600 server is not responding to https, ssh, and console.	OV3600 8.2.11.1

Known issues in OV3600 8.2.11.2

Bug ID	Description	Reported Version
DE34430	When a mobility conductor is added to OV3600, managed devices with an IP address ending with the digit 9 and running Alcatel-Lucent AOS-W 8.7 are not being discovered automatically. **Workaround**: If a managed device running Alcatel-Lucent AOS-W 8.7 has an IP address ending in 9, change the ending digit to another number.	OV3600 8.2.11.1
DE34397	A user is unable to complete TACACS authentication to log into the OV3600 WebUI because OV3600 is sending the local loopback **127.0.0.1** as a remote IP parameter and the port number **Virtual00**, the end user is using this remote IP as an authentication parameter.	OV3600 8.2.10.0
DE34385	Users are unable to use SSH and OV3600 ampadmin credentials to connect to an OV3600 server from a client running MacOS, Linux or Ubuntu. Workaround: Access the OV3600 server from a Windows client if you need to connect using SSH and ampadmin credentials.	OV3600 8.2.9.1
DE34380	When OV3600 monitors a remote AP that has a Cisco IP phone connected to the Enet3 interface of that remote AP, OV3600 does not display the expected usage information for the Enet3 interface, which appears to be less than the IP phone connected to that interface.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34376	OV3600 failed to apply configuration changes to a group. The **Group > Monitor** page for the device group displayed the messages *Applying configuration changes to devices where necessary and Note: Changes are being applied in the background*, but the configuration changes were stuck in a pending state and failed to complete.	OV3600 8.2.9.1
DE34371	OV3600 failed to execute a firmware upgrade on a Aruba 2930 switch. Log files for the event incorrectly indicated that the upgrade timed out, even though the **copy tftp** command was never initiated.	OV3600 8.2.10.1
DE34365 DE34366	Starting with OV3600 8.2.11.1, OV3600 will not be able to display graphs showing memory data for Virtual Switching Framework (VSF) switches running firmware versions lower than version 10.5. **Workaround:** Upgrade switches to use a firmware version at or above 10.5. (10.05.0001AX was the tested version.)	OV3600 8.2.9.0
DE34363	The VisualRF service could time out on the server, requiring a restart of the service, and preventing the VisualRF pages of the OV3600 WebUI from loading correctly.	OV3600 8.2.10.1
DE34362	The **Advanced Monitoring** tab on the **Devices > Monitor** page for a 7000 series Switch failed to display any data for that device.	OV3600 8.2.10.1
DE34360	The **WLANS** table on the **Home > Traffic Analysis** page incorrectly displayed information about two WLANs, **Wired** and **00:00:00:00:00:00**, that did not exist on the network.	OV36008.2.11.0
DE34357	The **Groups > Templates** page of the OV3600 WebUI does not allow users to correctly save new templates, and the page can stop responding when the template is saved,	OV3600 8.2.10
DE34356	OV3600 failed to display **Clients** and **Usage** graphs on the **Groups > Monitor** page for device groups that included Aruba controllers.	OV3600 8.2.10.1
DE34350	OV3600 users experience a delay of a few minutes in the login and logout processes on an OV3600 conductor console.	OV3600 8.2.10.1
DE34347	The **Devices > Monitor** page for an AP is not updating properly, and incorrectly shows that the AP has two 802.11ax radios, one up and one down.	OV3600 8.2.10.1
DE34344	The **Time Since Last Boot** section of a generated Device Uptime report incorrectly indicates that some devices are down, even though they did come up correctly after the reboot.	OV3600 8.2.10.1
DE34336	An OV3600 server is unable to establish a TLS connection and complete authentication to a Windows LDAP server, which displays the error message *'The client and server cannot communicate, because they do not possess a common algorithm.'*	OV3600 8.2.11.0
DE34334	The **Upstream Device** and **Upstream Port** fields in the **Device Info** section of the **Devices > Monitor** page for a switch fail to display information for upstream devices, even though OV3600 does correctly display this information in the **Neighbors** table.	OV3600 8.2.11.0

Bug ID	Description	Reported Version
DE34333	The **Running Configuration** column in the **Archived Device Configuration** table on the **Devices > Config** page for a Cisco switch does not display the **View** link that allows you to view the archived configuration settings.	OV3600 8.2.10.1
DE34325	When OV3600 generates a custom weekly RF health report, the report generation process would fail, triggering the error message "Awrrd unexpectedly excited".	OV3600 8.2.11.0
DE34321	When a VisualRF floor plan image in .dwg format is replaced with a floor plan image in .pdf format, the **VisualRF > Floor Plans** page can fail to load, displaying the error message *Original background image file not found. Please contact the administrator*.	OV3600 8.2.11.0
DE34320	The **Devices > Monitoring** page incorrectly indicates that an active client is associated to a different radio with a DOWN status.	OV3600 8.2.10.1
DE34317	When installing OV3600 into a purely IPv6 network, you must also enter additional "dummy" IPv4 address parameters as these IPv4 settings are required	OV3600 8.2.11.0
DE34314	OV3600 releases using CentOS 7 are unable to support multibyte characters in campus names on the **VisualRF > Floor Plans** page	OV3600 8.2.11.0
DE34313	OV3600 sends a large number of false positive alerts for rogue APs based upon information sent to OV3600 from Instant APs. OV3600 will not report a recorded client as rogue, no matter how long ago it connected to the OV3600 server.	OV3600 8.2.11.0
DE34310	An Aruba switch monitored by OV3600 is incorrectly showing that it is connected to a Cisco switch on the network, even though the two switches are not directly connected.	OV3600 8.2.11.0
DE34299	The **Nightly Maintenance Time** setting on the OV3600 Setup > General page is not working correctly if the OV3600 server is set to use the **United Arab Emirates** time zone. Log files for the maintenance processes show that they started four hours after the scheduled time.	OV3600 8.2.11.0
DE34274	An OV3600 user with a read-only user role was able to use the **Devices > Controller Cluster** page to delete a controller cluster.	OV3600 8.210.1
DE34254	The **Home > Traffic Analysis** page did not show data for connected devices, even though the Aruba Switch did show those devices were passing traffic.	OV3600 8.2.10.1
DE34251	The **Clients > Connected** table did not display information in the **Network Chipset**, **Network Driver** and **Manufacture**r columns of the **Connected Clients** tables when these columns were enabled in the table view.	OV3600 8.2.11.0
DE34250	In a Client Session report generated by OV3600 8.2.11.0, the **Average Usage** column in the **Session Data by Client** table can display incorrect values.	OV3600 8.2.11.0
DE34245	After an upgrade to OV3600 8.2.11.0, the number of clients displayed on the **Clients** graph on the **Home > Overview** page can randomly drop to zero for a brief time.	OV3600 8.2.11.0
DE34243	An upgrade from OV3600 8.2.10.0 to OV3600 8.2.10.1 on a server in EFI boot mode failed, because the upgrade did not contain the grub2-efi-x64 package required for EFI mode servers.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34240	A Client Session report generated by OV3600 does not correctly calculate average values in the **Sessions**, **Avg traffic in per client**, **Avg traffic out per client** and **Avg bandwidth per client** table columns.	OV3600 8.2.8.2
DE34231	OV3600 syslog messages in CEF format can display the text **<space>** instead of an actual space in the error messages. even though the CEF standard supports spaces as accepted text values.	OV3600 8.2.10.1
DE34230	Some syslog message files generated by OV3600 are not in CEF format, even though **the CEF Syslog Notification Options** setting is enabled on the **System > Triggers** page.	OV3600 8.2.10.1
DE34218	There are five types of predefined walls in VisualRF; glass, cubicle, drywall, concrete and elevator shaft. While importing Ekahau floor plans to VisualRF, the wall types are recognized based on the wall attenuation definition and mapped to any of the above predefined wall types. Below are the ranges of attenuation for each wall type: ■ 0-2 db => Glass wall ■ 3-5 db => Cubicle ■ 6-14 db => Dry walls ■ 15-29 => Concrete ■ 30 and above => Elevator Shaft Ekahau supports a variety of custom walls with more than one wall type having the same attenuation value. These wall types won't get automatically imported in VisualRF. **Workaround**: A user has to manually add wall definitions for Ekahau floor plans using the **Wall Attenuation Settings** fields on the **VisualRF > Setup** page. After importing an Ekahau backup, a user has to manually select the wall and change the type.	OV3600 8.2.11.0
DE34206	When OV3600 generated a client session report for 30 days of data, the **Client Session Summary** section of the report did not display any client session data.	OV3600 8.2.9.1
DE34166	The **Devices > Monitor** page for a ClearPass server displays an incorrect uptime value.	OV3600 8.2.10.1
DE34148	The hostnames of Aruba Switches and switches and Cisco switches added to OV3600 manually or using SNMP discovery do not display correctly in OV3600.	OV3600 8.2.9.1
DE34147	The **Clusterless Mesh Name** field on the **Groups > Instant Config** page of the OV3600 WebUI doesn't display the first character of the mesh name for OAW-IAP225 and OAW-AP115 Instant APs.	OV3600 8.2.10.1
DE32950	The **Home > Topology** page did not correctly display information for a Juniper ex4200-48t switch running firmware version 12/3R6.6 added to OV3600 using SNMPv3, and the **Devices > Monitor** page for the device failed to display the LAN MAC address for the switch.	OV3600 8.2.8.2
DE34138	A **Network Usage, Usage by SSID** report did not display the same usage information in the **Session Data by SSID** tables as appeared in the **Usage SSID** traffic analysis tables for the same time period.	OV3600 8.2.10.1
DE34131	When OV3600 firewall rules (iptables) are enabled, an OV3600 server fails to process AMON packets, yet disabling iptables caused a spike in CPU utilization on the OV3600 server.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34128	The OV3600 WebUI displayed a **Parse Error** message and failed to run predefined commands on a Switch via the **Open controller WebUI** and **Run command** drop-down menus on the **Clients > Client Detail** page.	OV3600 8.2.10.1
DE34126	The OV3600 WebUI failed to load after a network administrator successfully restored a backup file to the OV3600 server following an upgrade to OV3600 8.2.10.1.	OV3600 8.2.10.1
DE34104	OV3600 did not display **Connection Mode** information for devices that support 802.11ax on the **Connected Clients** list on the **Clients > Connected page**, or in the **Device Info** section of the **Devices > Monitor** page.	OV3600 8.2.10.1
DE34102	If OV3600 is installed on Central On-Premises server, or if the server is rebooted after enabling FIPS mode, the server may not reachable because it is mapped to an incorrect interface. On a Gen-10 Central On-Premise server where there is an external 10G NIC via PCIe and a 1G interface NIC, even though the physical connectivity was provided on the 1G interface, during kernel bootup, the order of NIC discovery could become unpredictable.	OV3600 8.2.10.0
DE34059	The **Home > Topology** page did not correctly update links between Aruba and Cisco switches, and instead displayed three alternative links between the devices instead of a single aggregated channel.	OV3600 8.2.10.1
DE34041	A Network Usage report generated for a two day period failed to display client count information in the report.	OV3600 8.2.7.1
DE33892	A generated RF Health report incorrectly includes information for access points whose radio noise thresholds are better than the radio noise threshold in the report definition.	OV3600 8.2.10.1
DE33866	OV3600 incorrectly generates an extra set of backup files in the/var/airwave-backup folder during nightly maintenance, including a dump of the database scheme, an amp-backup-version file, and a backup of VisualRF.	OV3600 8.2.10.1
DE33846	The OV3600 WebUI doesn't display information about the **High Throughput** setting on Aruba Instant devices. The **High Efficiency** option in the 802.11 radio settings in the Aruba Instant WebUI appears with the slightly different name **Very High Efficient** in the OV3600 WebUI.	OV3600 8.2.10.1
DE33829	The **Device > Alerts**, **Events > Device** and **System > Syslog & Traps** pages of the OV3600 WebUI stop responding due to an unreadable response from an Aruba switch.	OV3600 8.2.10.1
DE33814	When OV3600 generated an hourly network utilization report for an SSID, the client count for that SSID was inconsistent with the client information displayed on the **Clients** chart on the OV3600 **Home > Overview** page.	OV3600 8.2.3.1
DE33784 DE34335	When the eth1 interface is configured as the default gateway using the **3 Configure > 1 Configure Network Settings** options in the OV3600 command-line interface, users are unable to change the default gateway to eth0.	OV3600 8.2.10 1
DE33776	When OV3600 imports a whitelist from Alcatel-Lucent Activate in .csv format, imported Aruba switches can incorrectly update with the name *Instant-<switch-mac-addr>*.	OV3600 8.2.9.1
DE33740	OV3600 is unable to push a configuration containing dynamic variables to an Aruba switch when the custom variable is defined using uppercase letters.	OV3600 8.2.9.1

Bug ID	Description	Reported Version
	Workaround: Use lowercase letters only in variable definitions	
DE33727	When configured as an SNMP server, OV3600 dropped packets received from an Alcatel-Lucent AOS-W managed device that referenced an snmpEngineID that was not known to the OV3600 server.	OV3600 8.2.9.1
DE33607	Log files on the **System > Event** page shows that OV3600 appears to auto-acknowledge alerts that have already been previously acknowledged.	OV3600 8.2.10.0
DE33606	OV3600 alerts consume a large amount of CPU resources when many alerts are triggered and the **CEF Syslog Notification Options** setting is not enabled on the **System > Triggers** page.	OV3600 8.2.10.0
DE33600	An issue prevented OV3600 from correctly assigning a static IP address to a Central On-Premises device if the OV3600 server is connected to a DHCP-enabled switch.	OV3600 8.2.10.0
DE33576	If an OV3600 server has the SNMP daemon enabled and special characters in its login credentials, network administrators cannot perform an SNMPv3 walk on the OV3600 server to view server information	OV3600 8.2.9
DE33351	OV3600 8.2.11.1 has a limitation where a queued request still sends snmpv2 packets even though the group is configured to poll via snmpv3. OV3600 stops sending v2 requests once the timeout expires.	OV3600 8.2.9.1
DE32950	Juniper switches to not appear in the **Home > Topology** page, and OV3600 does not correctly display the LAN MAC address for the switch don the **Devices > Monitor** page of the OV3600 WebUI.	OV3600 8.2.8.2
DE29236	The **Enable OV3600 Whitelist** setting on **OV3600 Setup > Authentication** page does not support IPv6 addresses	N/A

Known issues in OV3600 8.2.11.1

Bug ID	Description	Reported Version
DE34430	When a mobility conductor is added to OV3600, managed devices with an IP address ending with the digit 9 and running Alcatel-Lucent AOS-W 8.7 are not being discovered automatically. **Workaround**: If a managed device running Alcatel-Lucent AOS-W 8.7 has an IP address ending in 9, change the ending digit to another number.	OV3600 8.2.11.1
DE34397	A user is unable to complete TACACS authentication to log into the OV3600 WebUI because OV3600 is sending the local loopback **127.0.0.1** as a remote IP parameter and the port number **Virtual00**, the end user is using this remote IP as an authentication parameter.	OV3600 8.2.10.0
DE34385	Users are unable to use SSH and OV3600 ampadmin credentials to connect to an OV3600 server from a client running MacOS, Linux or Ubuntu. Workaround: Access the OV3600 server from a Windows client if you need to connect using SSH and ampadmin credentials.	OV3600 8.2.9.1

Bug ID	Description	Reported Version
DE34380	When OV3600 monitors a remote AP that has a Cisco IP phone connected to the Enet3 interface of that remote AP, OV3600 does not display the expected usage information for the Enet3 interface, which appears to be less than the IP phone connected to that interface.	OV3600 8.2.10.1
DE34376	OV3600 failed to apply configuration changes to a group. The **Group > Monitor** page for the device group displayed the messages *Applying configuration changes to devices where necessary and Note: Changes are being applied in the background*, but the configuration changes were stuck in a pending state and failed to complete.	OV3600 8.2.9.1
DE34372	OV3600 prevented configuration templates from being pushed from OV3600 to Instant APs, those Instant APs remained in a "verifying" state, and the configuration update did not complete.	OV3600 8.2.10.1
DE34371	OV3600 failed to execute a firmware upgrade on a Aruba 2930 switch. Log files for the event incorrectly indicated that the upgrade timed out, even though the **copy tftp** command was never initiated.	OV3600 8.2.10.1
DE34365 DE34366	Starting with OV3600 8.2.11.1, OV3600 will not be able to display graphs showing memory data for Virtual Switching Framework (VSF) switches running firmware versions lower than version 10.5. **Workaround:** Upgrade switches to use a firmware version at or above 10.5. (10.05.0001AX was the tested version.)	OV3600 8.2.9.0
DE34363	The VisualRF service could time out on the server, requiring a restart of the service, and preventing the VisualRF pages of the OV3600 WebUI from loading correctly.	OV3600 8.2.10.1
DE34362	The **Advanced Monitoring** tab on the **Devices > Monitor** page for a 7000 series Switch failed to display any data for that device.	OV3600 8.2.10.1
DE34360	The **WLANS** table on the **Home > Traffic Analysis** page incorrectly displayed information about two WLANs, **Wired** and **00:00:00:00:00:00**, that did not exist on the network.	OV36008.2.11.0
DE34357	The **Groups > Templates** page of the OV3600 WebUI does not allow users to correctly save new templates, and the page can stop responding when the template is saved,	OV3600 8.2.10
DE34356	OV3600 failed to display **Clients** and **Usage** graphs on the **Groups > Monitor** page for device groups that included Aruba controllers.	OV3600 8.2.10.1
DE34350	OV3600 users experience a delay of a few minutes in the login and logout processes on an OV3600 conductor console.	OV3600 8.2.10.1
DE34347	The **Devices > Monitor** page for an AP is not updating properly, and incorrectly shows that the AP has two 802.11ax radios, one up and one down.	OV3600 8.2.10.1
DE34344	The **Time Since Last Boot** section of a generated Device Uptime report incorrectly indicates that some devices are down, even though they did come up correctly after the reboot.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE34336	An OV3600 server is unable to establish a TLS connection and complete authentication to a Windows LDAP server, which displays the error message *'The client and server cannot communicate, because they do not possess a common algorithm.'*	OV3600 8.2.11.0
DE34334	The **Upstream Device** and **Upstream Port** fields in the **Device Info** section of the **Devices > Monitor** page for a switch fail to display information for upstream devices, even though OV3600 does correctly display this information in the **Neighbors** table.	OV3600 8.2.11.0
DE34333	The **Running Configuration** column in the **Archived Device Configuration** table on the **Devices > Config** page for a Cisco switch does not display the **View** link that allows you to view the archived configuration settings.	OV3600 8.2.10.1
DE34325	When OV3600 generates a custom weekly RF health report, the report generation process would fail, triggering the error message "Awrrd unexpectedly excited".	OV3600 8.2.11.0
DE34321	When a VisualRF floor plan image in .dwg format is replaced with a floor plan image in .pdf format, the **VisualRF > Floor Plans** page can fail to load, displaying the error message *Original background image file not found. Please contact the administrator*.	OV3600 8.2.11.0
DE34320	The **Devices > Monitoring** page incorrectly indicates that an active client is associated to a different radio with a DOWN status.	OV3600 8.2.10.1
DE34317	When installing OV3600 into a purely IPv6 network, you must also enter additional "dummy" IPv4 address parameters as these IPv4 settings are required	OV3600 8.2.11.0
DE34314	OV3600 releases using CentOS 7 are unable to support multibyte characters in campus names on the **VisualRF > Floor Plans** page	OV3600 8.2.11.0
DE34313	OV3600 sends a large number of false positive alerts for rogue APs based upon information sent to OV3600 from Instant APs. OV3600 will not report a recorded client as rogue, no matter how long ago it connected to the OV3600 server.	OV3600 8.2.11.0
DE34310	An Aruba switch monitored by OV3600 is incorrectly showing that it is connected to a Cisco switch on the network, even though the two switches are not directly connected.	OV3600 8.2.11.0
DE34299	The **Nightly Maintenance Time** setting on the OV3600 Setup > General page is not working correctly if the OV3600 server is set to use the **United Arab Emirates** time zone. Log files for the maintenance processes show that they started four hours after the scheduled time.	OV3600 8.2.11.0
DE34274	An OV3600 user with a read-only user role was able to use the **Devices > Controller Cluster** page to delete a controller cluster.	OV3600 8.210.1
DE34254	The **Home > Traffic Analysis** page did not show data for connected devices, even though the Aruba Switch did show those devices were passing traffic.	OV3600 8.2.10.1
DE34251	The **Clients > Connected** table did not display information in the **Network Chipset**, **Network Driver** and **Manufacture**r columns of the **Connected Clients** tables when these columns were enabled in the table view.	OV3600 8.2.11.0

Bug ID	Description	Reported Version
DE34250	In a Client Session report generated by OV3600 8.2.11.0, the **Average Usage** column in the **Session Data by Client** table can display incorrect values.	OV3600 8.2.11.0
DE34245	After an upgrade to OV3600 8.2.11.0, the number of clients displayed on the **Clients** graph on the **Home > Overview** page can randomly drop to zero for a brief time.	OV3600 8.2.11.0
DE34243	An upgrade from OV3600 8.2.10.0 to OV3600 8.2.10.1 on a server in EFI boot mode failed, because the upgrade did not contain the grub2-efi-x64 package required for EFI mode servers.	OV3600 8.2.10.1
DE34240	A Client Session report generated by OV3600 does not correctly calculate average values in the **Sessions**, **Avg traffic in per client**, **Avg traffic out per client** and **Avg bandwidth per client** table columns.	OV3600 8.2.8.2
DE34231	OV3600 syslog messages in CEF format can display the text **<space>** instead of an actual space in the error messages. even though the CEF standard supports spaces as accepted text values.	OV3600 8.2.10.1
DE34230	Some syslog message files generated by OV3600 are not in CEF format, even though **the CEF Syslog Notification Options** setting is enabled on the **System > Triggers** page.	OV3600 8.2.10.1
DE34218	There are five types of predefined walls in VisualRF; glass, cubicle, drywall, concrete and elevator shaft. While importing Ekahau floor plans to VisualRF, the wall types are recognized based on the wall attenuation definition and mapped to any of the above predefined wall types. Below are the ranges of attenuation for each wall type: ■ 0-2 db => Glass wall ■ 3-5 db => Cubicle ■ 6-14 db => Dry walls ■ 15-29 => Concrete ■ 30 and above => Elevator Shaft Ekahau supports a variety of custom walls with more than one wall type having the same attenuation value. These wall types won't get automatically imported in VisualRF. **Workaround**: A user has to manually add wall definitions for Ekahau floor plans using the **Wall Attenuation Settings** fields on the **VisualRF > Setup** page. After importing an Ekahau backup, a user has to manually select the wall and change the type.	OV3600 8.2.11.0
DE34206	When OV3600 generated a client session report for 30 days of data, the **Client Session Summary** section of the report did not display any client session data.	OV3600 8.2.9.1
DE34166	The **Devices > Monitor** page for a ClearPass server displays an incorrect uptime value.	OV3600 8.2.10.1
DE34148	The hostnames of Aruba Switches and switches and Cisco switches added to OV3600 manually or using SNMP discovery do not display correctly in OV3600.	OV3600 8.2.9.1
DE34147	The **Clusterless Mesh Name** field on the **Groups > Instant Config** page of the OV3600 WebUI doesn't display the first character of the mesh name for OAW-IAP225 and OAW-AP115 Instant APs.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE32950	The **Home > Topology** page did not correctly display information for a Juniper ex4200-48t switch running firmware version 12/3R6.6 added to OV3600 using SNMPv3, and the **Devices > Monitor** page for the device failed to display the LAN MAC address for the switch.	OV3600 8.2.8.2
DE34138	A **Network Usage, Usage by SSID** report did not display the same usage information in the **Session Data by SSID** tables as appeared in the **Usage SSID** traffic analysis tables for the same time period.	OV3600 8.2.10.1
DE34131	When OV3600 firewall rules (iptables) are enabled, an OV3600 server fails to process AMON packets, yet disabling iptables caused a spike in CPU utilization on the OV3600 server.	OV3600 8.2.10.1
DE34128	The OV3600 WebUI displayed a **Parse Error** message and failed to run predefined commands on a Switch via the **Open controller WebUI** and **Run command** drop-down menus on the **Clients > Client Detail** page.	OV3600 8.2.10.1
DE34126	The OV3600 WebUI failed to load after a network administrator successfully restored a backup file to the OV3600 server following an upgrade to OV3600 8.2.10.1.	OV3600 8.2.10.1
DE34104	OV3600 did not display **Connection Mode** information for devices that support 802.11ax on the **Connected Clients** list on the **Clients > Connected page**, or in the **Device Info** section of the **Devices > Monitor** page.	OV3600 8.2.10.1
DE34102	If OV3600 is installed on Central On-Premises server, or if the server is rebooted after enabling FIPS mode, the server may not reachable because it is mapped to an incorrect interface. On a Gen-10 Central On-Premise server where there is an external 10G NIC via PCIe and a 1G interface NIC, even though the physical connectivity was provided on the 1G interface, during kernel bootup, the order of NIC discovery could become unpredictable.	OV3600 8.2.10.0
DE34059	The **Home > Topology** page did not correctly update links between Aruba and Cisco switches, and instead displayed three alternative links between the devices instead of a single aggregated channel.	OV3600 8.2.10.1
DE34041	A Network Usage report generated for a two day period failed to display client count information in the report.	OV3600 8.2.7.1
DE33892	A generated RF Health report incorrectly includes information for access points whose radio noise thresholds are better than the radio noise threshold in the report definition.	OV3600 8.2.10.1
DE33866	OV3600 incorrectly generates an extra set of backup files in the/var/airwave-backup folder during nightly maintenance, including a dump of the database scheme, an amp-backup-version file, and a backup of VisualRF.	OV3600 8.2.10.1
DE33846	The OV3600 WebUI doesn't display information about the **High Throughput** setting on Aruba Instant devices. The **High Efficiency** option in the 802.11 radio settings in the Aruba Instant WebUI appears with the slightly different name **Very High Efficient** in the OV3600 WebUI.	OV3600 8.2.10.1
DE33829	The **Device > Alerts**, **Events > Device** and **System > Syslog & Traps** pages of the OV3600 WebUI stop responding due to an unreadable response from an Aruba switch.	OV3600 8.2.10.1

Bug ID	Description	Reported Version
DE33814	When OV3600 generated an hourly network utilization report for an SSID, the client count for that SSID was inconsistent with the client information displayed on the **Clients** chart on the OV3600 **Home > Overview** page.	OV3600 8.2.3.1
DE33784 DE34335	When the eth1 interface is configured as the default gateway using the **3 Configure > 1 Configure Network Settings** options in the OV3600 command-line interface, users are unable to change the default gateway to eth0.	OV3600 8.2.10 1
DE33776	When OV3600 imports a whitelist from Alcatel-Lucent Activate in .csv format, imported Aruba switches can incorrectly update with the name *Instant-<switch-mac-addr>*.	OV3600 8.2.9.1
DE33740	OV3600 is unable to push a configuration containing dynamic variables to an Aruba switch when the custom variable is defined using uppercase letters. **Workaround**: Use lowercase letters only in variable definitions	OV3600 8.2.9.1
DE33727	When configured as an SNMP server, OV3600 dropped packets received from an Alcatel-Lucent AOS-W managed device that referenced an snmpEngineID that was not known to the OV3600 server.	OV3600 8.2.9.1
DE33607	Log files on the **System > Event** page shows that OV3600 appears to auto-acknowledge alerts that have already been previously acknowledged.	OV3600 8.2.10.0
DE33606	OV3600 alerts consume a large amount of CPU resources when many alerts are triggered and the **CEF Syslog Notification Options** setting is not enabled on the **System > Triggers** page.	OV3600 8.2.10.0
DE33600	An issue prevented OV3600 from correctly assigning a static IP address to a Central On-Premises device if the OV3600 server is connected to a DHCP-enabled switch.	OV3600 8.2.10.0
DE33576	If an OV3600 server has the SNMP daemon enabled and special characters in its login credentials, network administrators cannot perform an SNMPv3 walk on the OV3600 server to view server information	OV3600 8.2.9
DE33351	OV3600 8.2.11.1 has a limitation where a queued request still sends snmpv2 packets even though the group is configured to poll via snmpv3. OV3600 stops sending v2 requests once the timeout expires.	OV3600 8.2.9.1
DE32950	Juniper switches to not appear in the **Home > Topology** page, and OV3600 does not correctly display the LAN MAC address for the switch don the **Devices > Monitor** page of the OV3600 WebUI.	OV3600 8.2.8.2
DE29236	The **Enable OV3600 Whitelist** setting on **OV3600 Setup > Authentication** page does not support IPv6 addresses	N/A

Table 10: *Known issues in OV3600 8.2.11.0*

Bug ID	Description	Reported Version
DE34119	The **Devices > Monitor** page failed to correctly display accurate uptime information for Aruba AOS-CX 6300 switches running firmware version FL.10.04.0030. **Workaround**: Upgrade the switch to the last software version FL.10.04.2000AP.	OV3600 8.2.11.0

Bug ID	Description	Reported Version
DE34117	OV3600 is unable to create a VLAN configuration for an AOS-CX switch running firmware version 10.04, because the switch does not allow write memory operations when in config mode. **Workaround**: This issue is not seen in AOS-CX software versions prior to TL.10.04.0030.	OV3600 8.2.11.0
DE34102	If OV3600 8.2.11.0 is installed on a Central On-Premises server, asubsequent reboot of server may cause issues in server reachability since the Ethernet interface gets mapped to an incorrect interface. This issue is specific to a Gen-10 Central On-Premises server where there is a presence of both an external 10G (PCIe) and a 1G interface NIC. Even though the physical connectivity is provided on the 1G interface, during kernel bootup, the order of NIC discovery becomes unpredictable. In this scenario, it is possible that the eth0 interface is assigned to the 10G MAC address, making the network become unreachable, **Workaround**: Contact support for a procedure to block the detection of the 10G NIC during the kernel bootup.	OV3600 8.2.11.0
DE34098	Reports generated on the conductor console could get stuck in a pending or in-progress state. **Workaround**: Delete the reports in the in-progress state to allow OV3600 to proceed with the next pending report.	OV3600 8.2.11.0
DE34092	The **Devices > List** page displays incorrect information for devices not actually present on the network after the switchover of an Aruba CX 6300 Virtual Switching Framework (VRF) stack. **Workaround**: Change the **Up/Down Status Polling Period** to five minutes to allow the switches to come up properly.	OV3600 8.2.11.0
DE34086	AOS-CX switches are not coming up in OV3600 after the switchover of an Aruba CX 6300 Virtual Switching Framework (VRF) stack. **Workaround**: Change the **Up/Down Status Polling Period** to five minutes to allow the switches to come up properly.	OV3600 8.2.11.0
DE34072	OV3600 reports the status for APs as being down and times out when polling the SNMPv2 Fetcher. This issue occurs when the SNMPv2 Fetcher daemon receives SNMP packets greater than 1472 octets and then crashes. Newly built net-snmp RPM with fix has been applied in the customer's setup.	OV3600 8.2.10.1
DE34015	OV3600 fails to correctly generate a custom report if the **RF Health: Radio Statistics by Folder** option is the only option selected. **Workaround**: None.	OV3600 8.2.10.1
DE33938	OV3600 failed to correctly display CPU and memory utilization information for member switches of an Aruba AOS-CX 6300 Virtual Switching Framework (VSF) stack. **Workaround**: None.	OV3600 8.2.11.0
DE33890	A rogue SSID displayed in the **VisualRF > Floorplan > Rogue Properties** tab could be different than the SSID displayed on the **RAPIDS > Detail** page. **Workaround**: Delete the AP in which Rogue is detected from the VisualRF Floorplan, then add it back.	OV3600 8.2.11.0
DE33848	The **VisualRF** section of the OV3600 WebUI can fail to display correctly because VisualRF processes time out before the pages load. VisualRF floorplans with a large number of APs may take a long time to load, and the procedure to deploy new devices in Visual RF takes a log time to list newly added APs. **Workaround**: None.	OV3600 8.2.9

Bug ID	Description	Reported Version
DE33689	The **Devices > Monitor** page for an access point took an unusually long time to load, even though information about connected and rogue clients displayed as expected on the **Clients** pages. **Workaround**: None	OV3600 8.2.10
DE33683	The internal docker service continuously restarted and log files for the docker service displayed the error "Shutting down due to ServeAPI error: is a directory" **Workaround**: None	OV3600 8.2.10
DE33636	When a Switch on a managed network was replaced or APs were moved from one Switch to another, the AP moved to a different Switch appeared to be in a DOWN state in OV3600 until the OV3600 services were restarted.	OV3600 8.2.8.2
DE33595	The **Devices > Monitoring** page displayed incorrect transmit power levels for 5GHz radios using channels 36 or 52E in the Spain regulatory domain. **Workaround**: None	OV3600 8.2.9.1
DE33526	The **Clients > Client** details page showed the incorrect VLAN for wired clients connected behind an IP phone on a switch, even thought the **Clients > Diagnostics** page displayed the correct information. **Workaround**: None	OV3600 8.2.9
DE33430	When a Mobility Conductor is added to OV3600, managed devices with an IP address ending with the digit **9** and running ArubaOS 8.7 are not being discovered automatically. **Workaround**: If a managed device running ArubaOS 8.7 has an IPaddress ending in 9, change the ending digit to another number.	ArubaOS 8.2.11.1
DE33339	The **RAPIDS > List** page failed to correctly display information for some wired devices impacted by a RAPIDS classification rule. **Workaround**: None	OV3600 8.2.9.1
DE33312	OV3600 did not correctly display channel change information on the **Channel Change Reasons** graph and **Channel Change** table on the **Home > AirMatch** page. **Workaround**: None	OV3600 8.2.9.0
DE33257	An AP initially classified as a rogue device and then manually reclassified as valid was not correctly reclassified as valid if that device aged out of the Wireless Management System (WMS) database, then reconnected again. **Workaround**: None	OV3600 8.2.9.0
DE33032	LDAP authentication failed when the **Verify Server Certificate** field in the **OV3600 Setup > Authentication > LDAP Configuration** section of the WebUI was set to **require** or **optional**. **Workaround**: None	OV3600 8.2.8.2

Table 11: *Known issues in OV3600 8.2.10.1*

Bug ID	Description	Reported Version
DE33731	OV3600 deployments using CentOS 7 can display the error message **/usr/sbin/tcpdump: No such file or directory** when you issue the command **tcpdump** from the **8** (**Advanced**) > **1** (**Custom Commands**) menu in the OV3600 command-line interface. **Workaround**: Contact support for assistance installing the tcpdump RPM.	OV3600 8.2.10.0

Bug ID	Description	Reported Version
DE33707	Upgrades from OV3600 8.2.8.x, 8.2.9.x, or 8.2.10.0 on CentOS 6 and OV3600 8.2.10.0 on CentOS 7 to OV3600 8.2.10.1 might fail with the following PuTTY fatal error message: Server unexpectedly closed network connection when your SSH session becomes unresponsive. To avoid this issue, change the keep-alive interval to a low setting as follows: Using a terminal console, such as PuTTY, open an SSH connection with the OV3600. Enter 30 to 60 seconds for sending null packets between keep-alive messages.	OV3600 8.2.10.1
DE33704	When you use a Switch to change the name of an access point, VisualRF does not update with the new name immediately, and changes appear in VisualRF only after a noticeable delay. **Workaround**: To immediately update the VisualRF floorplan with the new AP name, restart VisualRF by toggling the **Enable VisualRF Engine** setting in the **VisualRF > Setup** page to **No** and then back to **Yes**.	OV3600 8.2.10.1
DE33686	The **Devices > Monitor** page can incorrectly classify an Aruba 6405 or 6410 switch as an Aruba 6400 switch. **Workaround**: None.	OV3600 8.2.10.1
DE33669	The topology on the **Home > Topology** page failed to load. Log files in the **/var/log/topology** folder listed the cause of the issue as a bind failure for port 8085. **Workaround**: Navigate to **System > Status**, then click **Restart OV3600** to restart the OV3600 services.	OV3600 8.2.10.1
DE33666	After upgrading to OV3600 8.2.10.0, users were unable log into the OV3600 server using certificate authentication. **Workaround**: OV3600 8.2.10.0 introduced Certificate Revocation List (CRL) certificate validation, which is required by default. To make this feature optional, access the OV3600 command-line interface and select options **3 (Configuration** > **4 (Certificates)** > **7 (CRL)** > **1 (Make CRL optional/required)**.	OV3600 8.2.10.0
DE33434	If you migrate your OV3600 deployment from CentOS 6 to CentOS 7, you will be unable to restore a backup file taken from an OV3600 server running CentOS 6 on an OV3600 server running CentOS 7 if the **/var/log** directory is larger than 20GB. **Workaround**: Contact support for assistance in reducing the size of the **/var/log** directory.	OV3600 8.2.10.0
DE33240	OV3600 deployments using CentOS 6 are impacted by CVE-2013-4885 (Nmap http-domino-enum-passwords NSE Script Arbitrary File Upload Vulnerability). **Workaround**: This issue is resolved by an upgrade to an OV3600 8.2.10.x or 8.2.4.3 deployment using CentOS 7, as CentOS 7 is not impacted by this vulnerability.	OV3600 8.2.10.1

Table 12: *Known issues in OV3600 8.2.10.0*

Bug ID	Description	Reported Version
DE33384	After an OV3600 server upgraded from OV3600 8.2.4.3 to 8.2.10.0, an auto-polling error prevented the **Home >Topology** page from loading. Log files in the /var/log/topology folder displayed an internal server error message for the event. **NOTE:** This issue is resolved in OV3600 8.2.10.1 **Workaround**: Select a monitored device to display the device in the **Devices> Monitor** page, then click **Poll Now**.	OV3600 8.2.10

Bug ID	Description	Reported Version
DE33347	The **Devices > Monitor** page for an Aruba switch incorrectly indicates that a switch using a group template configuration has a configuration mismatch, when there is no mismatch except for the SNMPv3 auth and priv hash value.	OV3600 8.2.8.1
DE33323	The **Devices > Monitor** page for an AP incorrectly reported zero bandwidth usage during a period of continuous traffic on that device. **Workaround**: None	OV3600 8.2.5.1
DE33256	OV3600 reports incorrect role information for clients. When OV3600 updates incorrect role information for a user role is not entered into the ignore list of a PCI Compliance report, the report fails. **Workaround**: none:	OV3600 8.2.8.2
DE33232	Timeout issues can cause devices to disappear from the **Home > Topology** page. **Workaround**: 1. Check for the following upstream failure error in /var/log/topology, topology.1, topology.2 or topology.3. 2. `2019-09-18 11:19:56.897 Aborting tcp connection to /127.0.0.1:60724 because of` **upstream failure** `akka.http.impl.engine.HttpIdleTimeoutException: HTTP idle-timeout encountered, no bytes passed in the last 5 minutes. This is configurable by akka.http.[server|client].idle-timeout.` 3. If you see an upstream failure as above, restart the topology using the psk topology command in the command-line interface. 4. If still some devices are still missing in the topology view, wait for automatic polling to complete, or poll those devices manually to allow them to appear in the topology.	
DE33229	OV3600 failed to perform VisualRF backups during nightly maintenance because the backup process timed out. **Workaround**: None.	OV3600 8.2.9.0
DE33178	When users assigned to a custom user role access the VisualRF feature, OV3600 displays the logon page instead of VisualRF data, and error messages are recorded to VisualRF log files. **NOTE:** This issue is resolved in OV3600 8.2.10.1. **Workaround**: Restart VisualRF by disabling and then reenabling the VisualRF engine on the **VisualRF > Setup** page.	OV3600 8.2.8.2
DE33177	When AP device groups and AP folder names contained non-ASCII (UTF-8) characters such as Japanese characters, the **Systems > Triggers** page could display the error message "The server has encountered an error while performing your request" and failed to display correct trigger data. **Workaround**: use only ASCII characters in AP folder and group names.	OV3600 8.2.8.1
DE33176	The Async Logger Service that tracks many device monitoring processes (including user-AP association) frequently stops responding. **Workaround**: None.	OV3600 8.2.6.0
DE33138	When a Cisco switch is added to OV3600 using SNMPv3 credentials, the **Connected Devices** table on the **Devices > Monitor > Neighbors** tab does not correctly display information for devices connected to the switch. **Workaround**: None.	OV3600 8.2.8.1

Bug ID	Description	Reported Version
DE32795	A backup of a VisualRF Floor plan background image had a reduced image quality when the VisualRF backup was restored on another server. **Workaround**: None.	OV3600 8.2.6.0
DE32349	VisualRF incorrectly displays heatmap data for an AP on a floor above the selected floor, even if both the 5 GHz and 2.4 GHz frequencies are disabled on the heatmap view. **Workaround**: None.	OV3600 8.2.7.1
DE30939	OV3600 does not correctly display local port information for an AP associated to an Alcatel-Lucent Switch in the **Devices > Monitor > Neighbors** table for the Switch, and the AP does not appear on the **Home > Topology** page. **Workaround**: None.	OV3600 8.2.7.0
DE30461	When an user adds devices to OV3600 but does not define SNMPv3 credentials, that user cannot enable FIPS mode on the OV3600 server. **Workaround**: Delete impacted devices, enable FIPs, then add the devices again. If several devices are impacted by this issue, contact Alcatel-Lucent support for help.	OV3600 8.2.4.2
DE29085	OV3600 uses DTLS, a standard security protocol, to encrypt AMON traffic between mobility controllers and OV3600. OV3600 users must configure only one DTLS management server in a Switch running Alcatel-Lucent AOS-W 8.1or later. This issue is cause by a limitation when OV3600 interacts with a controller running ArubaOS 8.1 or later **Workaround**: Configure one DTLS management server on your Alcatel-Lucent AOS-W Switch or managed device using the command: **mgmt-server primary-server <dlst amp IP> profile default amp transport udp secure**.	OV3600 8.2.4.0
DE26895	When a user changes the default **Gain** setting for an AP on the **VisualRF > Floor Plan**s page, those changes are not saved when VisualRF is restarted. **Workaround**: None	OV3600 8.2.10.1
DE30661	An OV3600 license report incorrectly shows that there is zero license usage for a Mobility Conductor and Managed Devices (local Switches). This error is triggered by a communication issue between OV3600 and the Switches that prevents OV3600 from correctly decoding Switch license data. **Workaround**: None.	OV3600 8.2.5.1

Table 13: *Known issues in OV3600 8.2.9.1*

Bug ID	Description	Reported Version
DE33190	Logs files located in */var/lib/docker* are incorrectly inflating in size. This issue can impact OV3600s monitored by Aruba Glass, causing the log files to occupy all available disk space. **Workaround:** None.	OV3600 8.2.9.0

Table 14: *Known Issues in OV3600 8.2.9.0*

Bug ID	Description	Reported Version
DE33050	No appropriate status exists to indicate when an SFTP failure (between the device and OV3600) caused the switch deployment to fail. This issue occurs because OV3600 pushes the config template to the device and doesn't expect feedback until the device comes back up.	OV3600 8.2.9.0
DE33046 DE32625	Unable to view HPE (Comware) switches in Topology or interface data on switch monitoring pages when SNMP Get requests return errors. **Workaround:** Increase the SNMP agent packet size using the **snmp-agent packet max-size 3500** command on the switch.	OV3600 8.2.x.x
DE33019	After upgrading the Aruba 8320 Switch firmware from 10.02 to 10.03, or after rebooting the switch, OV3600 doesn't update the CPU Utilization, Memory, Usage graphs and other information on the switch monitoring page. This happens when OV3600 is using SNMPv3 to monitor switch **Workaround:** Restart the AMP processes, by going to **System > Status** and clicking **Restart AMP**. Or, contact Technical Support to help restart the SNMP fetcher.	OV3600 8.2.8.2
DE33008	When removing an Ethernet bond interface using the CLI, "Error adding default gateway <ip address> on eth0" is returned. This error is expected and can be ignored as the default gateway is established later in the process. **Workaround:** Not applicable.	OV3600 8.2.9.0
DE32935	In Topology, spanning tree details don't display properly for Siemens switches. **Workaround:** None.	OV3600 8.2.9.0
DE32931	OV3600 reports the incorrect interface name on the monitoring page for Siemens switches. **Workaround:** None.	OV3600 8.2.9.0
DE32929	When you import settings from the device manage page, OV3600 removes the IP address on the switch. This issue occurs if VLAN1 doesn't have any IP addresses in the running config because the **use_dhcp,ip_address,netmask** variable gets updated with null values. If you use those variables in the template to configure IP addresses for other VLANs, null values will be passed and cause template push failures and IP address removals from switch. **Workaround:** Use **use_dhcp,ip_address,netmask** variables only in VLAN1 and create and use new dynamic variables in the template for assigning IP addresses to other VLANs.	OV3600 8.2.8.2
DE32926	OV3600 doesn't display CPU and memory graphs for Siemens switches on the monitoring page. **Workaround:** None.	OV3600 8.2.9.0
DE32922	Connected devices aren't showing in OV3600 for Siemens switch. **Workaround:** To see the connected devices for Siemens switches, modify the group settings: Go to **Groups > Basic**; then scroll down to the **Routers and Switches** section. Set the **Use Q-Bridge Forwarding Table For Generic Switches** option to **Yes**. Click **Save**.	OV3600 8.2.9.0
DE32914	On the monitoring page for Siemens switches, OV3600 displays blank usage graphs. **Workaround:** None.	OV3600 8.2.9.0

Bug ID	Description	Reported Version
DE32901	The local port information for neighbor details on the monitoring page of a Siemens switch shows the interface name instead of the interface ID. **Workaround:** None.	OV3600 8.2.9.0
DE32854	A switch provisioned using ZTP doesn't join the same group or folder. On the OV3600-side, the member 1 MAC address is added to the whitelist, but, on the switch-side, member 2 is the commander. During ZTP, OV3600 expects the commander's MAC address to be in whitelist, and, since the member 2 MAC address isn't in the whitelist, OV3600 doesn't move the device to the respective folder and group. **Workaround:** Enter the **redundancy switch over** command to force the commander status to member 1. This triggers ZTP, OV3600 and moves the device to the respective folder and group.	OV3600 8.2.8.1
DE32848	The usage graph in controller monitoring page for the mobility device reports the data for client usage twice although only one client is connected. **Workaround:** None.	OV3600 8.2.9.0
DE32840	OV3600 doesn't back up the Alcatel-Lucent 9004 controller after you click **Create Backup** on the Config page. **Workaround:** None.	OV3600 8.2.9.0
DE32797	Advanced search won't work if RAPIDS is hidden from the navigation menu. **Workaround:** Go to **AMP Setup > General > AMP features** and change the **Display RAPIDS** option to **Yes**.	OV3600 8.2.8.1
DE32655 DE32654	The usage graph was blank in an Alcatel-Lucent AOS-W 8.x.x.x cluster setup due to invalid data in the **AMON_BSSID_TUNNEL_STATS_MESSAGE** on the controller. **Workaround:** Upgrade the Switch to Alcatel-Lucent AOS-W 8.4.0.3.	OV3600 8.2.8.2
DE32560	VisualRF page does not load. **Workaround:** Follow these steps to clear the caches and restart VisualRF: Contact Technical Support to help clear the Redis cache. From the CLI, select **11** to open the Enter Commands menu. At the prompt, enter **remove_visualrf_cache**. From the WebUI, go to **VisualRF > Setup**, and, under the Server Settings, click **No** for the "Enable VisualRF Engine" option and click **Save** to stop VisualRF. Change the setting back to **Yes** and click **Save** to restart VisualRF.	OV3600 8.2.7.1
DE32353	When you add Instant APs to a group and then go to **Firmware > Update**, OV3600 doesn't show the latest firmware codes for the Instant APs. **Workaround:** None.	OV3600 8.2.7.1
DE32084	Database cleaning fails with the error message: **ERROR: cannot freeze committed xmax**. This issue is related to a database issue in PGSQL 9.4.17, which OV3600 uses. **Workaround:** Contact Technical Support to help manually fix the failed table.	OV3600 8.2.7.0
DE31913	Any hotspot device which is broadcasting SSID other then the SSID we have entered in valid rule should be contained. **Workaround:** None.	OV3600 8.2.7.0
DE31875	OV3600 8.2.4.1 to OV3600 8.2.6.1 upgrade failed. This issue occurs when installing or upgrading OV3600 8.2.6.x on RHEL. **Workaround:** None.	OV3600 8.2.6.1

This chapter provides the following information to help you with the upgrade process:

- Minimum Requirements
- Verify Current CentOS Version on page 67
- Upgrade Paths
- Upgrade from OV3600 8.2.9.x or 8.2.10.x with CentOS 6 Migration
- Upgrade from OV3600 8.2.4.3, 8.2.10.x or 8.2.11.0 with CentOS 7

Minimum Requirements

Ensure that you have sufficient disk storage, memory, and hardware or software versions. As additional features are added to OV3600, increased hardware resources become necessary and hardware requirements vary by version. For the most recent hardware requirements, refer to the *OmniVista 3600 Air Manager 8.2.11.1 Server Sizing Guide*.

Verify Current CentOS Version

Before you upgrade, verify the version of CentOS currently running on your OV3600 server.

1. From the OV3600 command-line interface, enter **8** to select **Advanced**, then enter **2** to select **Enter Commands**.
2. Enter the command **$osrel**.

The output of this command indicates the version of CentOS currently in use. Use this information to determine your upgrade path.

Upgrade Paths

- Your upgrade workflow depends on your current version of OV3600 and CentOS:
- To upgrade from OV3600 8.2.9.x, or OV3600 8.2.10.x with CentOS 6, follow the steps in Upgrade from OV3600 8.2.9.x or 8.2.10.x with CentOS 6 Migration
- To uprade from OV3600 8.2.4.3, OV3600 8.2.10.x, or OV3600 8.2.11.x with CentOS 7, follow the steps in Upgrade from OV3600 8.2.4.3, 8.2.10.x or 8.2.11.0 with CentOS 7.

> **NOTE**
> If you are upgrading from OV3600 8.2.8.x or earlier, contact Technical Support for help with a multiple-step upgrade path.

Upgrade from OV3600 8.2.9.x or 8.2.10.x with CentOS 6 Migration

OV3600 8.2.12.1 requires an upgrade to CentOS 7. The migration process involves upgrading to OV3600 8.2.10.1, backing up your data, exporting the backup file, performing a fresh install of OV3600 8.2.10.1 and CentOS 7 on your server, then restoring the backup data onto that server and then upgrading to OV3600 8.2.12.1.

After you perform this upgrade, follow the steps in Upgrade from OV3600 8.2.4.3, 8.2.10.x or 8.2.11.0 with CentOS 7 to upgrade to 8.2.12.1.

> Upgrade to OV3600 8.2.10.1 before backing up your data. You cannot restore an OV3600 8.2.8.x, 8.2.9.x, or 8.2.10.0 (on CentOS 6) backup on an OV3600 server running OV36008.2.12.1.
>
> For more information on creating backups of your data, refer to the **System Pages** section of the OV3600 User Guide. For information on performing a fresh installation of OV36008.2.12.1, refer to the OV3600 Installation Guide.
>
> Upgrades from from OV3600 8.2.8.x, 8.2.9.x, or 8.2.10.0 on CentOS 6 might fail with the following PuTTY fatal error message: Server unexpectedly closed network connection when your SSH session becomes unresponsive.
> To avoid this issue, change the keep-alive interval to a low setting as follows:
> 1. Using a terminal console, such as PuTTY, open an SSH connection with the OV3600.
> 2. Enter 30 to 60 seconds for sending null packets between keep-alive messages.

Before You Begin

Prior to migration, navigate to **Home > License** and save a copy of the license key. OV3600 licenses are associated with the server IP address. All new installations of OV3600 have a 90-day grace period for licenses.

Keep these considerations in mind when working with OV3600 licenses:

- If you plan to reuse the same IP address, then apply the license key after you restore the OV3600 8.2.9.x backup.
- If you are planning to migrate data to a new server, work with Aruba support or use the license portal, to generate the new license in advance, then follow the migration path and apply the new license key. Keep in mind that you may have to adjust some devices (such as Instant APs and devices that send AMON or syslog messages to OV3600) in order for those devices to send updates to the new IP address.

Step 1: Upgrade to OV3600 8.2.10.1

1. Log in to the OV3600 server with the "ampadmin" user name and password. If you previously changed the ampadmin user name and password, enter the current admin name and password.
2. Enter **4** to select **System**.

a. At the next prompt, enter **1** to select **Upgrade**, then enter 1 to select **Upgrade OV3600 ManagementSoftware**.

b. Select the option for **8.2.10.1**.

> If the **8.2.10.1** software doesn't appear in the list of local upgrade versions, select option **2 None of the Above**, then manually enter **8.2.10.1**.

c. Enter **y** to enable OV3600 to connect to a proxy server. Or, you can enter **N** to bypass this step and go to to download the software. At the next prompt:

Enter the server address and port number (for example, *test.proxy.com* and port *22*).

Enter **y** to enter the proxy user name and password (for example, *testuser* and *password*).

d. Enter **1** or **2** to log in to your customer portal with your support user name and password.

e. Follow the onscreen instructions to download the software.

Step 2: Back up your OV3600 8.2.10.x Data

1. Log in to the OV3600 server with the "ampadmin" user name and password. If you previously changed the "ampadmin" user name and password, enter the current credentials.
2. Enter **2** to select **Backup**.
3. Enter **1** to open the **Backup** menu.
4. Enter **1** to select the **Backup Now** option.

Step 3: Export the Backup

1. After creating your backup, enter **b** to return to the previous **Backup** menu
2. Enter **5** to open the **Users** menu options, then enter **3** to add a file transfer user.
3. Enter a user name for the file transfer user, then click **Enter**. The user name for an OV3600 image file transfer user must be five characters or longer, and contain only lowercase letters and numbers. To use the default file transfer user name **awscp**, click **Enter** without entering a user name.
4. Enter a password for the file transfer user, then click **Enter**. The password must be eight characters or longer, and can contain uppercase and lowercase letters, numbers, and non-alphanumeric characters. Spaces are not allowed.
5. Enter **b** to go back to the main CLI menu.
6. Use SCP to connect to your remote repository and move the OV3600 8.2.10.1 backup file from the OV3600 **/user** directory to a remove server.

Step 4: Migrate to CentOS 7

Perform a fresh installation of OV3600 8.2.10.1 to automatically upgrade CentOS 6.x to CentOS 7.

NOTE

For more information on installing a new instance of OV3600 8.2.10.1 on your server, refer to the OV3600 8.2.10.1 Installation Guide.

Step 5: Upload the Backup

Follow one of these steps to upload the backup on the OV3600 server:

- If using SCP, enter **1-1** to open the **File** and **Upload File** menus. Provide the user name, host, and path for an SCP server using FIPS-approved encryption.
- If using SFTP, enter **5-3** to open the **User** and **Add File Transfer User** menus. Log in from another system using those credentials, and upload the backup.

Step 6: Restore the Data

Follow these steps to restore the backup on OV3600 8.2.10.1:

1. From the OV3600 CLI, enter **2-2** to open the **Backups** and **Restore** menus.
2. Enter **1** to restore the server from the uploaded backup.

Step 7: Install Certificates

In this step, you will add an SSL certificate, or generate a certificate signing request and install a signed certificate.

To add the SSL certificate:

1. From the command-line interface, enter **3-4** to open the **Configuration** and **Certificates** menus.
2. Enter **1** to open the **Add SSL Certificate** menu.
3. Follow the prompt to install the SSL certificate on your AMP server. The signed certificate should be in PKCS12 format with a *.pfx or *.p12 file extension.

To generate a CSR and install the certificate:

1. From the command-line interface, enter **3-4** to open the **Configuration** and **Certificates** menus.
2. Enter **2** to open the **Generate Certificate Signing Request** menu.
3. Follow the prompt to creates a CSR that identifies which server will use the certificate.
4. Next, enter **b** to return to the previous menu,
5. Enter **1**-**2** to open the **Files** and **Download File** menu to download the resulting CSR.
6. Send the CSR to your certificate signer.
7. Once the certificate is signed, upload the certificate to the OV3600 8.2.10.1 server.
   - If using SCP, enter **1-1** to open the **File** and **Upload File** menus. Provide the user name, host, and path for an SCP server using FIPS-approved encryption.
   - If using SFTP, enter **5-3** to open the **User** and **Add File Transfer User** menus. Log in from another system using those credentials, and upload the backup.

8. From the WebUI, go to **Device Setup > Certificates**, then click **Add** to add a trusted root CA certificate. Provide the following information:
   - Certificate name.
   - Certificate file. Click **Upload File** to find the certificate file on your local system, then click **Open**.
   - Password.
   - Certificate format.
   - Certificate type.

9. From the **3-4 Configuration** and **Certificates** menu, enter **3** to open the **Install Signed Certificate** menu.
10. Follow the prompts to install the certificate.

Step 8: Upgrade to OV3600 8.2.12.0

Proceed to Upgrade from OV3600 8.2.4.3, 8.2.10.x or 8.2.11.0 with CentOS 7.

Upgrade from OV3600 8.2.4.3, 8.2.10.x or 8.2.11.0 with CentOS 7

An upgrade from OV3600 versions 8.2.4.3, 8.2.10.x or 8.2.11.0 using CentOS 7 is straightforward and does not require a CentOS migration. If you are upgrading from OV3600 versions 8.2.4.3 or 8.2.10.x upgrade to Airwave 8.2.11.x before upgrading to OV3600 8.2.12.0.Use the AMP CLI to install the OmniVista 3600 Air Manager 8.2.12.1 upgrade package on your system. If your network doesn't allow OV3600 to connect to the Internet, you must manually download the software and upload the software before performing this upgrade.

> **NOTE**
> You can change the existing amprecovery user name by backing up the server, reinstalling the software, and restoring from the backup. For information about setting up the amprecovery account, refer to "Installing the Software (Phase 2) " on page 1 in the *OV36008.2.12.1 Installation Guide*.

Follow these steps to upgrade to OV3600 8.2.12.1:

1. Log in to the OV3600 server with the "ampadmin" user name and password. If you subsequently changed the "ampadmin" user name and password, enter the current admin name and password.

2. Enter **4** to select **System**.

a. At the next prompt, enter **1** to select **Upgrade**.

b. Select the option for **8.2.12.1**.

> **NOTE**
> If the 8.2.12.1 software doesn't appear in the list of local upgrade versions, select option **2 None of the Above**, then manually enter **8.2.12.1**.

c. Enter **y** to enable OV3600 to connect to a proxy server. Or, you can enter **N** to bypass this step and go to step on page 69 to download the software. At the next prompt:

Enter the server address and port number (for example, *test.proxy.com* and port *22*).

Enter **y** to enter the proxy user name and password (for example, *testuser* and *password*).

d. Enter **1** or **2** to log in to your customer portal with your support user name and password.

e. Follow the onscreen instructions to download the software.

Upgrade to Airwave 8.2.12.0 in Aruba Central (on-premises) Server

If you are performing a fresh installation of AirWave 8.2.12.0 on Aruba Central (on-premises) servers, interfaces on the Aruba Central (on-premises) server will always be in the following order:

■ eth0- eth3 – 1G interfaces

■ eth4 and eth5 - 10G interfaces

If you are upgrading from a prior AirWave version to AirWave 8.2.12.0 on Aruba Central (on-premises) servers, the following message is displayed.

```
Running Upgrade

Local upgrade versions:

1. 8.2.12.0.20201112.0001
2. None of the above.

Which version? 1
Upgrading to 8.2.12.0.20201112.0001.  The system will be rebooted when the upgrade completes.
Proceed? (y/N) y
Upgrade script AMP-8.2.12.0.20201112.0001-amp_upgrade was not found in local cache.
Upgrade package found in local cache.
Validating the upgrade package...
Using upgrade script extracted from local package.
Upgrade package found in local cache.

 Vendor = HPE , Product = ProLiant DL360 Gen10

 Old Version --> 8.2.11.0 ; New Version --> 8.2.12.0.20201112.0001
Do not proceed if you are not using console. You may lose connectivity and must
reconfigure network from "Configuration->Configure Network Settings" menu using
the console after upgrade. Would you like to continue with the upgrade? (y/N):
```

Perform the following steps on Aruba Central (on-premises) server Gen10 server with both 1G and 10G interfaces only.

1. Run upgrade to AirWave 8.2.12.0.

2. Post upgrade, run **intfinorder**, reboot, and configure network setup by entering the following options in AMP CLI:

a. Enter option **8 - Advanced**.

b. Enter option **1 - Custom Commands**.

c. Enter option **2 - Enter Commands**.

d. This will run the enter commands, execute **$ intfinorder**

```
Advanced
  1  Custom Commands >
  2  Enter Commands
  b  >> Back
Your choice: 2

Running Enter Commands

Type 'help' for the list of commands.
$ intfinorder
Use this script on HPE physical appliance especially if you intend to use 10G ports.
Running this script will ensure interfaces are detected / named in the same order
everytime the system is rebooted. Not required to be run for systems using fresh installed 8.2.12
and beyond releases.


 Please make sure you have console access. You need to reboot and do a network setup (AMPCLI->Configura
tion (3) -> Configure Network Settings(1)) post reboot after the execution of this command.

 Do you want to continue (y/N)? :
```

e. Click **y** when prompted with **Do you want to continue (y/N)? :** message.

3. Type **exit** and navigate to the CLI prompt and select option **4 – System** and then, select option **4 - Reboot System** to reboot the system.

```
System
  1  Upgrade
  2  Disable AMP
  3  Restart AMP
  4  Reboot System
  5  Shutdown System (halt)
  6  Show SNMPv3 EngineID
  7  Module Key
  b  >> Back
Your choice: 4

Running Reboot System

Are you sure? (y/n): y
```

4. If you lose connection to Aruba Central (on-premises) server post step 3, login to the ILO/console of the server and navigate to the CLI prompt, and select option **3 – configuration** and **option 1-Configure Network Settings**.

```
Configuration
  1  Configure Network Settings
  2  Set Hostname
  3  Set Timezone
  4  Certificates >
  5  SSHD >
  6  CLT >
  b  >> Back
Your choice: 1

Running Configure Network Settings

Running [/usr/local/airwave/bin/network_setup]...
Here are the ethernet interfaces with hardware present:

  1. eth0    new    20:67:7c:d9:65:bc
  2. eth1    new    20:67:7c:d9:65:bd
  3. eth2    new    20:67:7c:d9:65:be
  4. eth3    new    20:67:7c:d9:65:bf
  5. eth4    new    48:df:37:72:39:90
  6. eth5    new    48:df:37:72:39:98
  q. Quit

Which interface shall we configure?
```

5. Select the proper network interface and configure the IP address for your AMP and commit the changes. The AMP should be reachable with the IP address configured.

    This will enable reliable ordering of interfaces in upgrade scenario that is, eth0 - eth3 mapped to1G interfaces and eth4 -eth5 mapped to 10G interfaces at the end. Once interfaces are set in proper order, future AMP upgrades will be smooth. The intfinorder script should be run mandatorily from the AMPCLI menu as described above for users using Aruba Central (on-premises) server after upgrading to 8.2.12 build.

Manually Download the Software

You can manually download the software if your OV3600 server can't access the Internet.

1. Enter your Alcatel-Lucent support user name and password to get the software from the Alcatel-Lucent Support Center.

2. Click the upgrade package, then click **Save** and install the file later.

3. Define a user that can transfer OV3600 images, and then upload the software:

> **NOTE** For security purposes, image file transfer users are automatically removed every night during nightly maintenance operations.

4. From the OV3600 command-line interface, with the "ampadmin" user name and password. If you subsequently changed the ampadmin user name and password, enter the current admin name and password.

5. Add a file transfer user. This process varies, depending upon the version of OV3600 currently running on your system.

a. *If you are upgrading from OV3600 versions 8.2.10.x, 8.2.11.x, or 8.2.4.3*, enter **5** to open the **Users** menu options, then enter **3** to add a file transfer user.

b. *If you are upgrading from OV3600 8.2.9.x*, enter **8** to open the **Advanced** menu options, then enter **7** to add a file transfer user.

6. Enter a user name for the file transfer user, then click **Enter**. The user name for an OV3600 image file transfer user must be five characters or longer, and contain only lowercase letters and numbers. To use the default file transfer user name **awsftp**, click **Enter** without entering a user name.

7. Enter a password for the file transfer user, then click **Enter**.The password must be eight characters or longer, and can contain uppercase and lowercase letters, numbers, and non-alphanumeric characters. Spaces are not allowed.

8. Enter **b** to go back to the main CLI menu.

9. Use SFTP to connect to your remote repository and upload the OV3600 8.2.12.1 upgrade file from the remote server into the OV3600 **/user** directory.