

# OmniVista 3600 Air Manager 8.2.1.1



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OmniVista 3600 Air Manager 8.2.1.1 is a software patch release that introduces fixes to issues detected in previous releases. These release notes include the following sections:

- "New Features" on page 3 describes the new features and enhancements introduced this release.
- "Supported Infrastructure Devices" on page 7 provides information about new devices supported in OV3600 8.2.1.1 and previous releases.
- "Resolved Issues" on page 9 lists the issues resolved in OV3600 8.2.1.1 and previous releases.
- "Known Issues" on page 15 lists the known issues identified in OV3600 8.2.1.1 and previous releases.

## Contacting Support

Contact Center Online	
Main Site	<a href="http://www.alcatel-lucent.com/enterprise">http://www.alcatel-lucent.com/enterprise</a>
Support Site	<a href="https://service.esd.alcatel-lucent.com">https://service.esd.alcatel-lucent.com</a>
Email	<a href="mailto:esd.support@alcatel-lucent.com">esd.support@alcatel-lucent.com</a>
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



This document describes new features, supported devices, fixed issues, and known issues in the OmniVista 3600 Air Manager 8.2.1.1 release.

### New Features in OV3600 8.2.1.1

OV3600 8.2.1.1 does not introduce any new features.

### Features Introduced in Previous OV3600 Releases

The following enhancements have been made in OV3600 8.2.1:

- "Enhanced Support for Alcatel-Lucent Instant" on page 3
- "Refresh Option for VisualRF Heatmaps" on page 3
- "Enhanced HPE Aruba Switch Configuration" on page 3
- "Security Improvements" on page 4
- "Configurable PAPI Key" on page 4
- "Client Usage Graph Improvements" on page 4
- "High Availability of APs" on page 4

There were no new features in OV3600 8.2.0.3.

There were no new features in OV3600 8.2.0.1.

The following enhancements have been made in OV3600 8.2:


- "Updated User Interface" on page 4
- "Clarity Monitoring" on page 4
- "Aruba Switch Configuration" on page 5
- "Improved CAD Import" on page 5
- "Alcatel-Lucent switch Configuration Enhancements" on page 5
- "VisualRF UI Changes" on page 5

#### Enhanced Support for Alcatel-Lucent Instant

OV3600 8.2.1 supports template configuration for Instant 6.4.4.4-4.2.4.0.

For a complete list of supported devices, see *OmniVista 3600 Air Manager 8.2 Supported Infrastructure Devices*.

#### Refresh Option for VisualRF Heatmaps

The toolbar on the **VisualRF > Floorplan** page displays a refresh button () so that you can see your latest changes to the floorplan when you place APs and add or delete walls.

For information about using VisualRF, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

#### Enhanced HPE Aruba Switch Configuration

OV3600 8.2.1 allows you to send partial configurations to HPE Aruba switches using command snippets. This feature is supported on the following HPE Aruba switches running firmware version 16.x or greater: 2620, 2920, 3800, 3810, 5400R, 2530 YA, 2530 YB, and 2930F.

For information on pushing switch configurations to HPE Aruba switches using OV3600, see the *OmniVista 3600 Air Manager 8.2 Switch Configuration Guide*.

## Security Improvements

Improvements have been made in OmniVista 3600 Air Manager 8.2.0.3 to the PAPI protocol, which is used by OmniVista 3600 Air Manager, Alcatel-Lucent Instant, and Alcatel-Lucent AOS-W for management and control functions.

## Configurable PAPI Key

Previous versions of OV3600 supported only a single PAPI security key for all Alcatel-Lucent devices. Security improvements in this release allow you to specify a custom PAPI key and require PAPI key validation. You configure these settings on the **OV3600 Setup > General > Additional OV3600 Service** page.

For information about configuring OmniVista 3600 Air Manager, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## Client Usage Graph Improvements

OV3600 8.2.0.3 improves client usage graphs on the **Clients > Connected** and **Clients > Overview** pages of the OV3600 WebUI. These improvements include using consistent labels for inbound and outbound traffic, called PAPI key and Total Out, and a similar axis for both graphs.

For more information about monitoring clients, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## High Availability of APs

OV3600 8.2 introduces support for pairs of HP Unified Wired-WLAN (UWW) devices operating in HA mode. OV3600 will monitor the status of each controller. After OV3600 detects that a failover occurred and the APs failed over to the backup controller, OV3600 properly displays the status of the APs.

For more information about high availability for failover scenarios, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## Enhanced Support for Alcatel-Lucent Instant

OmniVista 3600 Air Manager 8.2.0.3 supports template and Instant GUI configuration (IGC) for Instant 6.4.2.6-4.1.3.0 and 6.4.2.6-4.1.3.1.

For a complete list of supported devices, see *OmniVista 3600 Air Manager 8.2 Supported Infrastructure Devices*.

## Updated User Interface

OV3600 8.2 introduces an updated user interface. The statistics toolbar at the top of the OV3600 window uses new icons to display network health data. Click any of these icons to view detailed information for each user or device category.

For information about navigating the user interface, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## Clarity Monitoring

Improvements to the Clarity Monitoring dashboard have been made in OmniVista 3600 Air Manager 8.2. The dashboard shows the progress of a client as it access the WLAN.

For more information on using the Clarity Monitoring dashboard, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## Enhanced AppRF Analysis

From the AppRF dashboard, you can get in-depth details on users applications within widgets that let you find mobile app usage, device information, web categories, and more.

For information about using the AppRF dashboard, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## UCC Enhancements

OV3600 8.2 introduces a number of enhancements to the call details provided on the Unified Communication and Collaboration (UCC) dashboard.

For information about using the UCC dashboard, filtering information, and understanding the reports, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## Aruba Switch Configuration

OV3600 8.2 introduces template configuration support for the following models of Aruba switches when these devices are running ArubaOS-Switch Version 16.01: 2530YA, 2530YB, 2620, 2920, 3800, 3810, and 5400R.

For information about using template configuration to provision these devices, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## Improved CAD Import

OV3600 8.2 introduces an enhancement to the importation of CAD (.dwg) files. When importing a CAD file to VisualRF, you are now given the option to define CAD layers as walls on your floor plan.

For more information about working with CAD layers in VisualRF, see the *OmniVista 3600 Air Manager 8.2 User Guide*.

## Alcatel-Lucent switch Configuration Enhancements

Additions have been made to OV3600's switch configuration options to support AOS-W6.4.3.1.

See the latest *AOS-W User Guide* and *CLI Guide* for more information.

## VisualRF UI Changes

In OV3600 8.2, the VisualRF feature supports only the HTML5-based UI. The **Enable HTML5-based UI** setting added to the **VisualRF > Setup > Server Settings** page in OV3600 8.0 has been deprecated, and the option to toggle between the legacy flash-based UI and the HTML5-based UI has been removed.

The legacy flash-based VisualRF UI allowed users to add a wiring closet to a floor plan or create a client survey. If you created a wiring closet or client survey in a previous release, this information is still be displayed in OV3600 8.2 but cannot be modified.

For more information about VisualRF, see the *OmniVista 3600 Air Manager 8.2 User Guide*.





OmniVista 3600 Air Manager provides a range of features to manage network infrastructure devices from Alcatel-Lucent and other vendors.

For a complete list of supported products, refer to the *OmniVista 3600 Air Manager 8.2 Supported Infrastructure Devices* document. You can find this document at <https://service.esd.alcatel-lucent.com>.

### Support for New Devices in OmniVista 3600 Air Manager 8.2.1.1

There are no new devices supported in OmniVista 3600 Air Manager 8.2.1.1.

### Support for New Devices in OmniVista 3600 Air Manager 8.2.1

The following new devices are supported in OmniVista 3600 Air Manager 8.2.1:

- Aruba 7008 switch
- HPE ArubaOS 2930F switch
- Alcatel-Lucent OAW-AP334, OAW-AP335, OAW-AP314, and OAW-AP315 access points
- Cisco 3800AP

### Support for Instant in OmniVista 3600 Air Manager 8.2.1

OmniVista 3600 Air Manager 8.2.1 supports Alcatel-Lucent IAPs running Instant 6.4.4.6-4.2.40 and prior versions, including the management of configuration settings and software upgrades.

Table 1 shows the version of Instant that supports template configuration and Instant GUI configuration in OV3600.

**Table 1:** *OmniVista 3600 Air Manager Support for Instant*

Instant Version	Support for Template Configuration	Support for IGC configuration
Instant 4.2.4	OmniVista 3600 Air Manager 8.2.1	OmniVista 3600 Air Manager 8.2.1, with the Instant 4.2.1 UI
Instant 4.2.3	OmniVista 3600 Air Manager 8.2	OmniVista 3600 Air Manager 8.2, with the Instant 4.2.1 UI
Instant 4.2.2	OmniVista 3600 Air Manager 8.2	OmniVista 3600 Air Manager 8.2, with the Instant 4.2.1 UI
Instant 4.2.1	OmniVista 3600 Air Manager 8.0.10.0	OmniVista 3600 Air Manager 8.0.10.0
Instant 4.2	OmniVista 3600 Air Manager 8.0.9	OmniVista 3600 Air Manager 8.0.9
Instant 4.1.3.1	OmniVista 3600 Air Manager 8.2.0.3 and 8.0.11.2	OmniVista 3600 Air Manager 8.2.0.3 and 8.0.11.2
Instant 4.1.3	OmniVista 3600 Air Manager 8.2.0.3 and 8.0.11.2	OmniVista 3600 Air Manager 8.2.0.3 and 8.0.11.2

**Table 1: OmniVista 3600 Air Manager Support for Instant (Continued)**

Instant Version	Support for Template Configuration	Support for IGC configuration
Instant 4.1.2	OmniVista 3600 Air Manager 8.0.9	OmniVista 3600 Air Manager 8.0.9
Instant 4.1.1	OmniVista 3600 Air Manager 8.0.4	OmniVista 3600 Air Manager 8.0.4
Instant 4.1	OmniVista 3600 Air Manager 8.0	OmniVista 3600 Air Manager 8.0.4
Instant 4.0	OmniVista 3600 Air Manager 8.0 and OmniVista 3600 Air Manager 7.7.10	OmniVista 3600 Air Manager 7.7.8
Instant 3.4	OmniVista 3600 Air Manager 7.7.3	OmniVista 3600 Air Manager 7.7.8
Instant 3.3	OmniVista 3600 Air Manager 7.6.4	OmniVista 3600 Air Manager 7.7.8
Instant 3.2	OmniVista 3600 Air Manager 7.6.1	OmniVista 3600 Air Manager 7.7.5
Instant 3.1	OmniVista 3600 Air Manager 7.5.6	N/A
Instant 3.0	OmniVista 3600 Air Manager 7.5	N/A

## Support for New Devices in OmniVista 3600 Air Manager 8.2.0

AirWave introduces support for the following wireless access points, switches and access point module:

- AP-314, AP-315, AP-324, AP-325, AP-334, AP-335 access points
- IAP-324, IAP-325 with 4.2.4 (template configuration only) instant access points
- 2530YA, 2530YB switch, 2620, 2920, 3800, 3810, 5400R switches
- APM-210 module (for Ericsson RBS 6402)

The following tables list issues resolved in OV3600 8.2.1.1 and prior releases.

**Table 2:** *Issues Resolved in OV3600 8.2.1.1*

ID	Description
DE26015 DE25582	<p><b>Symptom:</b> OV3600 8.2.1 did not support ZTP on the HPE Aruba Switch Models 2530 YB and 2620.</p> <p><b>Scenario:</b> We addressed this issue by supporting CBC ciphers in order to accept TLS 1.0 calls.</p>
DE25988	<p><b>Symptom:</b> Client graphs were inconsistent with corresponding AMON data after upgrading to OV3600 8.2.1 from 8.2.0.3.</p> <p><b>Scenario:</b> This issue occurred when the new AMON receiver crashed while trying to calculate AMON message loss. Message loss monitoring has been fixed.</p>
DE25869	<p><b>Symptom:</b> If you upgraded the firmware on a switch and then rebooted it, the device might appear to be down although its status is up when polled.</p> <p><b>Scenario:</b> This issue has been fixed. You no longer see a <code>Device Down</code> error in the event log.</p>
DE25577	<p><b>Symptom:</b> After an upgrade to OmniVista 3600 Air Manager 8.2.0.2, OmniVista 3600 Air Manager tried to restart every few seconds when running out of memory.</p> <p><b>Scenario:</b> We fixed an issue that prevented OmniVista 3600 Air Manager from loading AppRF data.</p>

**Table 3:** *Issues Resolved in OV3600 8.2.1*

ID	Description
DE25427	<p><b>Symptom:</b> A switch does not automatically reboot if a firmware download operation fails.</p> <p><b>Scenario:</b> If the OV3600 system boot process detects file copy failures during a firmware upgrade, the reboot process will not initialize, and the switch will not reboot.</p>
DE25735	<p><b>Symptom:</b> OV3600 is now able to restore a backup file after an OV3600 server upgrades from OV3600 8.0.x to OV3600 8.2.1.</p> <p><b>Scenario:</b> Improvements to how the internal <code>server_watcher_limits</code> file is handled resolve this issue in OV3600 8.2.1.</p>
DE25599	<p><b>Symptom:</b> Planned APs correctly appear on an OV3600 8.2.1 VisualRF floorplan.</p> <p><b>Scenario:</b> An issue was identified in OV3600 8.2 that prevented planned APs from appearing on a floorplan. This issue is resolved in OV3600 8.2.1 by improvements to the parsing of the internal catalog repository that maintains all of the values used by VisualRF.</p>

**Table 3: Issues Resolved in OV3600 8.2.1 (Continued)**

ID	Description
DE25580 DE25544	<p><b>Symptom:</b> An issue is resolved where Instant APs configured via the Instant GUI Config (IGC) feature could lose a configured PPPOE-password parameter and incorrectly add an additional ACL entry.</p> <p><b>Scenario:</b> This issue occurred when IGC incorrectly identified a mismatch on the device, and attempted to modify the device configuration to resolve that mismatch. Internal changes in OV3600 8.2.1 prevent a mismatch from being incorrectly identified, resolving this issue.</p>
DE25691	<p><b>Symptom:</b> APs placed in a VisualRF floorplan no longer shift location slightly when the page is refreshed.</p> <p><b>Scenario:</b> When APs were placed on a small VisualRF floor plan configured with metric units and a small grid size, rounding errors in internal calculations made the AP change positions slightly when the position was saved to the flooplan. This issue is resolved in OV3600 8.2.1.</p>
DE25623	<p><b>Symptom:</b> An Instant AP image can not be uploaded via an external file server if an image with the same name is already uploaded to the OV3600 server.</p> <p><b>Scenario:</b> The <b>Device Setup &gt;Upload Firmware &amp; Files</b> page of the OV3600 WebUI now supports uploading files via an external file server, even if a file with the same name already exists in the firmware list on the <b>Groups &gt; Firmware</b> page.</p>
DE25540	<p><b>Symptom:</b> OV3600 failed to import Cisco IOS templates from standalone APs.</p> <p><b>Scenario:</b> This issue has been fixed in OV3600 8.2.1.</p>
DE25539	<p><b>Symptom:</b> OV3600 8.2.1 contains OpenSSL security updates for RHSA-2016:0996-2.</p> <p><b>Scenario:</b> Security flaws in OpenSSL could allow an application that is compiled against it to crash, or execute arbitrary code, using the permissions of the user running the application. OV3600 8.2.1 includes enhancement for RHSA-2016:0996-2, which resolves vulnerabilities CVE-2016-2842, CVE-2016-2100, CVE-2016-2108, CVE-2016-2107, CVE-2016-2106, CVE-2016-2105, and CVE-2016-0799.</p>
DE25509	<p><b>Symptom:</b> An issue is resolved where an Instant AP cluster appeared in an error state after upgrading from Instant 4.1.1.13 to Instant 4.1.3.</p> <p><b>Scenario:</b> Changes to how the OV3600 Instant GUI Config (IGC) feature handles Instant releases with double digits resolves this issue in OV3600 8.2.1.</p>
DE25472 DE24975	<p><b>Symptom :</b>OV3600 8.2.1 contains OpenSSL security updates for RHSA-2016:0301-1.</p> <p><b>Scenario:</b> Security flaws in OpenSSL allowed side-channel attacks, application crashes, decryption of RSA-encrypted cipher text, or allowed malicious SSLv2 clients to negotiate SSLv2 ciphers that were disabled on the server. OV3600 8.2.1 includes enhancement for RHSA-2016:0301-1, which resolves vulnerabilities CVE-2015-3197, CVE-2016-0702, CVE-2016-0705, CVE-2016-0797 and CVE-2016-0800.</p>
DE25434	<p><b>Symptom:</b> An issue is resolved where a large number of alerts for high CPU or memory usage were incorrectly triggered.</p> <p><b>Scenario:</b> An OV3600 trigger configured as "<i>Device Type is Access Point, Percent CPU Utilization &gt;= 80% or Percent Memory Utilization &gt;= 30% for 1 minutes</i>" triggered many alerts where the alert type appeared as "deleted" in the <b>System &gt; Alerts</b> page. Improvements to CPU utilization processes resolve this issue in OV3600 8.2.1.</p>

**Table 3: Issues Resolved in OV3600 8.2.1 (Continued)**

ID	Description
DE25421	<p><b>Symptom:</b> Some .dwg files were not correctly uploaded into VisualRF as floorplan images.</p> <p><b>Scenario:</b> Improvements to an internal image converter process resolves an issue where some .dwg images were not getting correctly converted to .svg images in VisualRF.</p>
DE25385	<p><b>Symptom:</b> In previous releases of OV3600, filters applied to limit the display of rogue devices could not be removed all filters at once, but had to be removed individually.</p> <p><b>Scenario:</b> OV3600 8.2.1 resolves this issue with the addition of a new <b>Reset filters</b> link on the <b>RAPIDS &gt; List</b> page.</p>
DE25382	<p><b>Symptom:</b> The default duration for a support connection is fourteen days in OV3600 8.2.1. In previous versions of OV3600 8.2.x, the default connection period was one day.</p> <p><b>Scenario:</b> A support connection is a point-to-point IP tunnel that is initiated from a customer OV3600 server to Aruba's support server. A support connection on a server running OV3600 8.2.1 remains open for seven days, unless it is manually closed using the command <b># service support_connection stop</b>.</p>
DE25373	<p><b>Symptom:</b> When running a custom report with the <b>Uptime by Device</b> option selected, OV3600 reported incorrect uptimes or reported devices as being down although they were running.</p> <p><b>Scenario:</b> This issue has been fixed by improvements to the order in which device uptime records are set.</p>
DE25317	<p><b>Symptom:</b> The <b>Clients &gt; Diagnostics</b> page inaccurately reported the channel width when it displayed 120 MHz for very high throughput (VHT) mode.</p> <p><b>Scenario:</b> The channels displayed are now correct for high throughput (HT) and VHT networks. Channels a device can use are: 20, 40, 80, or 160.</p>
DE25282	<p><b>Symptom:</b> An OV3600 server running OV3600 8.2.0.x sent random authentication requests to the RADIUS server.</p> <p><b>Scenario:</b> This issue occurred only for RADIUS authentication, where unexpected RADIUS requests were repeatedly sent to the RADIUS server, and continually failed.</p>
DE24713	<p><b>Symptom:</b> Cisco 2700e LWAPP APs did not correctly display heat maps for 802.11ac radios, although heatmaps did correctly display for radios in 'ng' or 'na' modes.</p> <p><b>Scenario:</b> Updates to the internal catalog allows VisualRF to recognize Cisco 2700e LWAPP AP radios in 802.11ac mode.</p>
DE24567	<p><b>Symptom:</b> Previous releases of OV3600 8.x generated two NMS events for the same rogue ID classification if a trigger is configured to forward an alert to another network management system.</p> <p><b>Scenario:</b> Improvements in OV3600 8.2.1 sends a single detailed alert for an NMS trap, rather than sending one NMS trap with details, and another NMS trap without details.</p>
DE22575	<p><b>Symptom:</b> The <b>Supported Platforms</b> column in the interfaces table on the <b>Groups &gt; switch Config &gt; Local Config &gt; Network &gt; Port/Interfaces &gt; Gigabit Ethernet</b> page now correctly lists the Alcatel-Lucent switch.</p> <p><b>Scenario:</b> In previous releases of OV3600, the switch was incorrectly omitted as a supported platform for Ethernet interfaces that were supported by that device.</p>

**Table 4: Issues Resolved in OV3600 8.2.0.3**

ID	Description
DE25624	<p><b>Symptom:</b> OV3600 did not generate matching event reports for an AP on the <b>Reports &gt; Detail</b> page although it had connected clients.</p> <p><b>Scenario:</b> This issue occurred when OV3600 skipped AMON messages that didn't contain AP identification information. The method in which OV3600 obtains the identification information for an AP has been changed to resolve this issue.</p>
DE25570	<p><b>Symptom:</b> When VisualRF ran calculations to build the campus grid, it generated large amounts of data which resulted in extremely large backups.</p> <p><b>Scenario:</b> As a result of this issue, VisualRF ran out of memory and crashed. Visual RF now runs calculations in smaller intervals.</p>
DE25448	<p><b>Symptom:</b> Sometimes the Domain Name System (DNS) Resolution graph in the Clarity dashboard wouldn't display.</p> <p><b>Scenario:</b> This graph wouldn't load because of an underlying AOS-W issue, where the DNS samples field populated when it shouldn't. The mechanism for querying the DNS samples measured has been corrected.</p>
DE25419	<p><b>Symptom:</b> Old JRE files remained after an upgrade.</p> <p><b>Scenario:</b> When upgrading from an earlier version of OV3600, a new JRE installs over itself, leaving JREs from previous installations. You can run a script and select which JRE files to delete. The script is in the /src/x86_64/rpms/Makefile directory.</p>
DE25416	<p><b>Symptom:</b> After upgrading from OV3600 8.0.11.1 to 8.2.x, the Network view in VisualRF displayed incorrect results on the campus map.</p> <p><b>Scenario:</b> OV3600 8.2.0.3 fixes an issue where the data migration of pixel width and height didn't work during an upgrade from 8.0.11.x. Campuses no longer overlay each other on the map, and you can drag and drop, or auto arrange items again.</p>
DE25408	<p><b>Symptom:</b> You could not modify the primary, secondary, or tertiary switches from the <b>Cisco Thin AP Settings</b> or the <b>Manage Configuration</b> page.</p> <p><b>Scenario:</b> After upgrading from an earlier version of OV3600 to 8.2.0.1, you couldn't make a selection from the drop down menu, or access the drop down menu. These issues are resolved for all web browsers.</p>
DE25352	<p><b>Symptom:</b> In the Usage graph for connected clients, accessed from the <b>Client &gt; Connection</b> page, the labels and color codings were incorrect.</p> <p><b>Scenario:</b> The information in these graphs, such as color coding, axis direction, and client traffic direction, were changed to match other Usage graphs in the WebUI.</p>
DE25346	<p><b>Symptom:</b> During an upgrade to OV3600 8.2.x, the system attempted to upgrade the firmware after exceeding the maximum retries limit.</p> <p><b>Scenario:</b> The system now stops the upgrade when it reaches the maximum retries limit.</p>
DE25320	<p><b>Symptom:</b> The row of statistics hyperlinks, called Top Header Stats, displayed incorrectly.</p> <p><b>Scenario:</b>OV3600 8.2.0.3 corrects this screen output issue.</p>

**Table 4: Issues Resolved in OV3600 8.2.0.3 (Continued)**

ID	Description
DE25312	<p><b>Symptom:</b> Security flaws in the OV3600 8.0.x release could have caused an application that is compiled against the NSS library to crash, or execute arbitrary code, using the permissions of the user running the application (CVE-2016-1978 and CVE-2016-1979).</p> <p><b>Scenario:</b> OV3600 8.2.0.3 contains the following Linux security updates, which correct these issues:</p> <ul style="list-style-type: none"> <li>• nss-util security update RHSA-2016:0370-1</li> <li>• glibc security and bug fix update RHSA-2016:0175-1</li> <li>• kernel security and bug fix update RHSA-2015:2636-1</li> <li>• nss, nss-util, and NSPR security update RHSA-2016:0591-1</li> </ul>
DE25310	<p><b>Symptom:</b> AMON messages sent from Alcatel-Lucent AOS-W switches contain timestamps in various formats.</p> <p><b>Scenario:</b> OmniVista 3600 Air Manager 8.2.1.1 resolves this issue by reporting all messages in the <b>Clarity</b> dashboard in milliseconds. In order to view complete Clarity data, upgrade OV3600 to 8.2.0.3 and ensure that the controller is running AOS-W 6.4.3.9, 6.4.4.8, or later.</p>
DE25067	<p><b>Symptom:</b> When you deploy an AP in a floor plan, VisualRF doesn't display a heatmap for the AP unless you restart VisualRF.</p> <p><b>Scenario:</b> VisualRF automatically refreshes and displays a heatmap for APs added to a floor plan.</p>
DE24962	<p><b>Symptom:</b> The <b>telnet_cmds</b> log file tracks commands sent between OV3600 and a device using Telnet or SSH and might include passwords and secret data.</p> <p><b>Scenario:</b> Security enhancements in OmniVista 3600 Air Manager 8.2.1.1 prevent these files from being viewed using the WebUI and prevent them from being included in an OV3600 backup file.</p>

**Table 5: Issues Resolved in OV3600 8.2.0.2**

ID	Description
DE25409 DE25378	<p><b>Symptom:</b> Clients associated to an Instant AP correctly appear in VisualRF.</p> <p><b>Scenario:</b> In previous releases of OV3600 8.2.x, IAP clients did not appear correctly in VisualRF floor plans.</p>
DE25333	<p><b>Symptom:</b> OV3600 processed incoming rogue data and didn't update the AP database correctly.</p> <p><b>Scenario:</b> OV3600 stores this rogue AP data and shows rogue devices accurately in the RAPIDs overview pages.</p>
DE25314	<p><b>Symptom:</b> In the <b>Home &gt; Clarity</b> Monitoring pages of the WebUI, the <b>AP Name</b> column in the <b>AP Summary table</b> and APs column of the <b>AP Association</b> table display the AP name defined by the switch to which that AP is associated.</p> <p><b>Scenario:</b> OV3600 displays the correct AP name sent by the switch in the Clarity monitoring tables and graphs.</p>

**Table 5: Issues Resolved in OV3600 8.2.0.2 (Continued)**

ID	Description
DE25260	<p><b>Symptom</b> An issue prevented OV3600 7.7.14 from upgrading to earlier releases of OV3600 8.2.x.</p> <p><b>Scenario:</b> This issue is resolved by changes to the internal installation process that modified the order in which some modules were installed.</p>
DE25429	<p><b>Symptom:</b> The DNS failure graph on the <b>Home &gt; Clarity</b> pages of the WebUI displayed inaccurate DNS data.</p> <p><b>Scenario:</b> Alcatel-Lucent switches running Alcatel-Lucent AOS-W 6.4.4.6 sent continuous server timeout errors. As a result, the DNS failure graphs displayed inaccurate data. This issue has been resolved.</p>
US14749	<p><b>Symptom:</b> The accuracy of Clarity data is improved with a change that allows OV3600 to use VLAN IP addresses to validate the source of the AMON messages sent to the OV3600 server.</p> <p><b>Scenario:</b> This change resolves an issue that allowed the <b>Home &gt; Clarity</b> Monitoring pages to display inaccurate information for the following deployments:</p> <ul style="list-style-type: none"> <li>• In a Master+Master-Standby switch deployment with VRRP and LMS IP set on the switch, AMON AP messages were being sent with the LMS IP, preventing OV3600 from processing them.</li> <li>• If messages were sent from the AP use a different VLAN IP than the switch, OV3600 would not process them correctly.</li> <li>• If the IP address used by a single switch VLAN is defined as the IP address by which OV3600 communicates with the switch, AP station AMON messages sent from any other VLAN IP defined on the switch would not be processed correctly by OV3600.</li> </ul>

**Table 6: Issues Resolved in OV3600 8.2.0.1**

ID	Description
DE25275 DE25251	<p><b>Symptom:</b> An issue is resolved where an OV3600 server upgrading to OV3600 8.2.0 might have insufficient disk space issue to allow the upgrade to completing successfully.</p> <p><b>Scenario:</b> This issue is resolved by changes to the internal upgrade procedures in OV3600 8.2.0.1 that reduced the required disk space for the upgrade.</p>
DE23592	<p><b>Symptom:</b> VisualRF correctly saves grid size modifications to floor plans.</p> <p><b>Scenario:</b> OV3600 8.2.0.1 resolves an issue that prevented VisualRF section of the OV3600 UI from saving modifications to the floor plan grid size property.</p>

**Table 7: Issues Resolved in OV3600 8.2**

ID	Description
DE23305	<p><b>Symptom:</b> VisualRF floor plans could display floor plan dimensions in feet, even if VisualRF was configured to display metric units. OV3600 8.2 resolves this issue, and floor plan dimensions are correctly converted from imperial to metric measurements.</p> <p><b>Scenario:</b> This issue was observed when VisualRF settings were changed to display dimensions in metric units.</p>



The tables below lists known issues identified in OV3600 8.2.0, 8.2.0.2, 8.2.0.3, and 8.2.1 releases. There are no known issues in OV3600 8.2.0.1 and 8.2.1.1.

**Table 8:** *Known Issues in OV3600 8.2.1*

ID	Description
DE25926	<p><b>Symptom:</b> 2530YA, 2530YB and 2620 HPE Aruba switches fail to register with OV3600 when provisioned via Zero-Touch Provisioning (ZTP) or configuration settings pushed from OV3600 to the switch command-line interface.</p> <p><b>Scenario:</b> This issue is triggered by OpenSSL updates in OV3600 that caused a compatibility issue with this device.</p>
DE25875	<p><b>Symptom:</b> OV3600 displays incorrect transmission power for APs running Alcatel-Lucent AOS-W 6.4.4.0 to 6.4.4.6.</p> <p><b>Scenario:</b> For APs running the impacted versions of AOS-W, transmission power levels on the <b>APs/Devices &gt; Monitor</b> page are displayed as twice the actual level on the AP, and VisualRF heatmaps may display incorrect information. This issue is caused by changes in the information sent to OV3600 by the devices running these versions of Alcatel-Lucent AOS-W.</p>
DE25845	<p><b>Symptom:</b> The configuration snippet push to a ZTP device gets stuck in the "In Progress" state.</p> <p><b>Scenario:</b> After you start a partial configuration job for a group of factory-default devices added to OV3600 via ZTP, you might see "In Progress" for the ZTP device in the <b>Job Details</b> table on the <b>Groups &gt; Templates &gt; Partial Config</b> page. This partial configuration option was designed for only Alcatel-Lucent switches, and factory-default devices should not be available for selection from the partial configuration option.</p>
DE25501	<p><b>Symptom:</b> EAP failures in 802.1X AMON messages are not monitored by OV3600.</p> <p><b>Scenario:</b> If clients with invalid certificates attempt to associate to OV3600, OV3600 drops EAP_FAILURE Dot1x messages, preventing the tracking of clients which are facing EAP-FAILURE.</p>
DE25400	<p><b>Symptom:</b> The OV3600 RAPIDS feature may incorrectly calculate signal strengths from the RSSI value for rogue devices.</p> <p><b>Scenario:</b> The cause of this issue is under investigation.</p>
DE25399	<p><b>Symptom:</b> RAPIDS drops the event that corresponds to the strongest RSSI signal heard from a rogue AP.</p> <p><b>Scenario:</b> RAPIDS records the strongest signal heard for a rogue as the rogue entry's signal value and doesn't overwrite that value until a stronger signal is heard, but RAPIDS may fail to retain the discovery event for that entry.</p>
DE25350	<p><b>Symptom:</b> There is no support for pushing a full configuration for an Aruba switch running the ArubaOS-switch Operating System using the secure file transfer protocols, SCP and SFTP.</p> <p><b>Scenario:</b> If you use the (unsupported) <b>no tftp</b> client CLI command, the switch is unable to accept TFTP requests. As a result, OV3600 cannot push full configurations to the switch.</p>

**Table 8:** *Known Issues in OV3600 8.2.1 (Continued)*

ID	Description
DE25268	<p><b>Symptom:</b> Database schema failures do not cause the upgrade process to halt.</p> <p><b>Scenario:</b> When a database schema change fails during a software upgrade, the upgrade process continues running.</p>
DE24019	<p><b>Symptom:</b> When monitoring a stack of Aruba switches, or a standalone switch that has stacking-enabled, OV3600 shows a junk record for a switch with a status of Unknown.</p> <p><b>Scenario:</b> This issue occurs when you remove the switch designated as commander from a stack and move it to another part of the network. When SNMP discovery finds the switch in a new stack, the junk record disappears.</p>

**Table 9:** *Known Issues in OV3600 8.2.0.3*

ID	Description
DE25598 DE25522 DE25500	<p><b>Symptom:</b> After updating the IP address of the switch, you see syslog error messages listed under device events in the <b>Clients &gt; Detail</b> page and not in the <b>Clarity</b> dashboard.</p> <p><b>Scenario:</b> Underlying issues with Alcatel-Lucent AOS-W caused OV3600 to report only DNS information in the <b>Clarity</b> dashboard.</p> <p><b>Workaround:</b> In order to view complete Clarity data, upgrade OV3600 to 8.2.0.3 or later, and ensure that the switch is running Alcatel-Lucent AOS-W 6.4.3.9, 6.4.4.8, or later.</p>
DE25434	<p><b>Symptom:</b> OV3600 sends hundreds of alerts for high CPU or memory usage.</p> <p><b>Scenario:</b> You might encounter this issue if you configured OV3600 to send alert notification until it is acknowledged.</p> <p><b>Workaround:</b> When adding a trigger on the <b>System &gt; Triggers</b> page, set the Suppress until acknowledge option to Yes.</p>
DE25324	<p><b>Symptom:</b> Upgrading from OV3600 8.0.x caused VisualRF beamwidth, orientation and gain values to reset to their default values.</p> <p><b>Scenario:</b> The beamwidth, orientation and gain values are not retained after flushing the bootstrap file or upgrading the OV3600 server.</p> <p><b>Workaround:</b> None.</p>
DE25226	<p><b>Symptom:</b> OV3600 takes longer to process station statistics AMON messages than it did in OV3600 8.0.x.</p> <p><b>Scenario:</b> This issue has been associated with the Internet Explorer web browser.</p> <p><b>Workaround:</b> None.</p>

**Table 10:** *Known Issues in OV3600 8.2.0.2*

ID	Description
DE25398	<p><b>Symptom:</b> When you hover your mouse over the configuration (🔧) icon on the <b>Groups &gt; List</b> page, the popup window of available actions might not appear in the correct spot, be hidden out of view, or display at the very bottom of the page.</p> <p><b>Scenario:</b> This issue has been associated with the Internet Explorer web browser.</p> <p><b>Workaround:</b> Use another web browser to access the WebUI, or select a group from the <b>Groups &gt; List</b> page and use the navigation bar.</p>

**Table 11: Known Issues in OV3600 8.2**

ID	Description
DE25324	<p><b>Symptom:</b> VisualRF Beamwidth, Orientation and Gain values on deployed APs automatically reset when you upgrade OV3600 to any version, or when you remove the bootstrap file.</p> <p><b>Scenario:</b> The beamwidth, orientation and gain values are not retained after flushing the bootstrap file or upgrading the OV3600 server.</p>
DE25220	<p><b>Symptom:</b> VisualRF indicated an incorrect number of APs associated with the OV3600 server.</p> <p><b>Scenario:</b> In a deployment where over 4,000 APs were associated to an OV3600 server, and the active APs status icon at the top of the WebUI page showed the correct number of APs, VisualRF incorrectly indicated that OV3600 had over 10,000 associated APs.</p>
DE25154	<p><b>Symptom:</b> If an AP upgrades to Instant 4.2.3 and uses Lync applications in its access control rules, Instant GUI Config (IGC) may show a configuration mismatch for that device.</p> <p><b>Scenario:</b> This issue occurs because the list of Lync applications that can be included in an access control rule in the OV3600 8.2 IGC feature differs from the list of available rules in Instant 4.2.3. The following applications are unsupported by IGC in OV3600 8.2.</p> <ul style="list-style-type: none"> <li>• SOS ALG SVP</li> <li>• SOS ALG Vocera</li> <li>• SOS ALG FTP</li> <li>• SOS ALG RTSP</li> <li>• SOS ALG SIP</li> <li>• SOS ALG NOE</li> <li>• SOS ALG SIPS</li> <li>• SOS ALG H323</li> <li>• SOS ALG Facetime</li> <li>• SOS ALG Skype4B Voice</li> <li>• SOS ALG Skype4B Video</li> <li>• SOS ALG Skype4B File-Transfer</li> <li>• SOS ALG Skype4B</li> <li>• SOS ALG SIP-Audio</li> <li>• SOS ALG SIP-Video</li> <li>• SOS ALG Skype4B Desktop-Sharing</li> <li>• SOS ALG Jabber</li> <li>• SOS ALG Jabber-MC</li> <li>• square application</li> <li>• pearsonvue web</li> <li>• squirrelsysteMS web</li> <li>• learninganalytics web</li> <li>• youtubeeducation web</li> </ul>
DE25110	<p><b>Symptom:</b> If a switch IP address is changed from a static IP address to an IP address dynamically assigned via DHCP, the device may appear as down in OV3600.</p> <p><b>Scenario:</b> This issue is triggered because OV3600 has no way to determine the IP address that will be assigned to the switch after the change to a DHCP-assigned IP address.</p> <p><b>Workaround:</b> Manually change the IP address when the IP provisioning option is changed from static to DHCP.</p>
DE24785 DE24834 DE24836 DE24872	<p><b>Symptom:</b> When the <b>Groups &gt; Instant Config</b> pages of the OV3600 WebUI are accessed using the Internet Explorer web browser, these pages may not properly display Instant Config (IGC) configuration settings or browser elements, and may not correctly save or update configuration changes.</p> <p><b>Scenario:</b> This issue occurs when you attempt to use Internet Explorer to create or modify a configuration for Instant devices via <b>Groups &gt; Instant Config</b>. This issue does not occur with other supported web browsers.</p> <p>Possible IGC behaviors in Internet Explorer include the following:</p> <ul style="list-style-type: none"> <li>• Drop-down lists may not display properly</li> <li>• Configured settings may not save or update properly</li> <li>• Scrolling down a page in the IGC WebUI may cause the browser to unexpectedly return to the top of the page.</li> <li>• Clicking the <b>Save</b> or <b>Apply</b> button may not save any configuration changes, may cause the browser to unexpectedly return to the top of the page.</li> </ul> <p><b>Workaround:</b> Use an alternate web browser, such as Mozilla, to configure Instant devices.</p>

**Table 11: Known Issues in OV3600 8.2 (Continued)**

ID	Description
DE24424	<p><b>Symptom:</b> A non-default <b>Failure Timeout</b> value configured via <b>OV3600 Setup &gt; General &gt; Firmware upgrade/Reboot Options</b> is not correctly applied.</p> <p><b>Scenario:</b> By default, if a firmware upgrade on a switch fails, that switch state is locked, and the switch cannot attempt another upgrade until the default failure timeout period of 60 minutes has elapsed. In OV3600 8.2, if you configure a non-default value for this failure timeout, the switch state may be locked for a time period equal to the default value of 60 minutes <i>plus</i> the new failure timeout period. For example, if you configure a custom failure timeout period of 15 minutes, that setting may keep a switch locked in a pending state for 75 minutes, instead of the expected 15.</p>
DE24417	<p><b>Symptom:</b> Firmware updates on Alcatel-Lucent switches may fail when firmware changes are simultaneously sent to switches in a multi-level switch topology, where an upstream switch is located between a downstream switch and the OV3600 server.</p> <p><b>Scenario:</b> This issue occurs when an upstream switch downloads the firmware image and reboots, temporarily disrupting the firmware download on the second, downstream switch. This disruption may cause the firmware upgrade on the second switch to fail.</p> <p><b>Workaround:</b> Perform separate firmware upgrades on switches at different levels. (For example, upgrade the first-level (upstream) switches before you upgrade any second level (downstream) switches.</p>
DE24406	<p><b>Symptom:</b> Backup configurations downloaded from the OV3600 WebUI are not compressed properly, cannot be restored.</p> <p><b>Scenario:</b> This issue occurs when a nightly backup file is downloaded using the Chrome web browser.</p> <p><b>Workaround:</b> Use an alternate web browser, such as Mozilla, to download the backup file.</p>
DE24163	<p><b>Symptom:</b> The <b>Current Secondary Version</b> column in the <b>System &gt; Firmware Upgrade Job Detail &gt; Devices Being Upgraded</b> table displays incorrect image information for an Aruba switch.</p> <p><b>Scenario:</b> The <b>Devices Being Upgraded</b> table should display the version number for the software stored in the secondary flash in the <b>Current Secondary Version</b> column. This column may instead display the boot ROM software version.</p> <p><b>Workaround:</b> Access the switch command-line interface and issue the command <b>show flash</b> to view the primary and secondary image versions.</p>
DE24019	<p><b>Symptom:</b> The <b>Member Switches</b> table on the <b>APs/Devices &gt; Monitor</b> page for an Aruba switch may display incorrect stack member information.</p> <p><b>Scenario:</b> If a HPE 3810 stack is discovered via SNMP discovery on the network, and the stack member with commander status is moved to another stack, an invalid stack record may appear in the <b>Member Switch</b> table for members of the original stack.</p> <p><b>Workaround:</b> Adding another stack to the OV3600 server may clear these invalid entries.</p>
DE23592	<p><b>Symptom:</b> VisualRF does not correctly save modifications to floor plans.</p> <p><b>Scenario:</b> When modifying floor plans using the <b>VisualRF</b> section of the OV3600 WebUI, changes to the floor plans settings (like the floor name or number) are not correctly saved.</p> <p><b>Workaround:</b> Re-measure the floor plan to save modifications to the floor plan settings.</p>

**Table 11: Known Issues in OV3600 8.2 (Continued)**

ID	Description
DE23289	<p><b>Symptom:</b> VisualRF floor plans do not open correctly for clients accessing the OV3600 WebUI via the Microsoft Edge browser.</p> <p><b>Scenario:</b> When viewing the <b>VisualRF</b> section of the OV3600 WebUI using the Microsoft Edge browser on a Windows 10 client, double clicking on a building or floor does not open the page for that building or floor.</p>
DE23281	<p><b>Symptom:</b> If the <b>APs/Devices &gt; Monitor</b> page for a device displays a VPN IP address, hovering your mouse over that VPN IP address displays a HTTPS and SSH tooltip that contains invalid links.</p> <p><b>Scenario:</b> This issue occurs because the VPN IP address displayed on that page is an internal IP address. Clicking the HTTP link in the tooltip displays a blank page, and on the SSH link does not log a user into any device.</p>
DE19402	<p><b>Symptom:</b> Reports exported via FTP are not sent if the report is modified, as the modified report fails to authenticate to the FTP server.</p> <p><b>Scenario:</b> This issue occurs when you modify an existing FTP report and do not re-enter the FTP server passwords in the <b>Export Options</b> section of the <b>Reports &gt; Definition &gt; Export Options</b> page.</p> <p><b>Workaround:</b> Redefine the FTP server password when you modify a report to be exported via FTP.</p>
US14365	<p><b>Symptom:</b> PVOS commands values are unnecessarily grouped in the device running-config</p> <p><b>Scenario:</b> Some ArubaOS-Switch Operation System commands which are executed individually on the switch appear in a group in the device running-config. OV3600 supports a 1:1 comparison of commands from the template and the device running-config, so this grouping may incorrectly cause the device to show a mismatch.</p> <p>For example, the template may show two separate commands:</p> <pre>loop-protect transmit-interval 10 loop-protect disable-timer 3000</pre> <p>While the running-config groups these into a single line:</p> <pre>loop-protect transmit-interval 10 disable-timer 3000</pre> <p><b>Workaround:</b> Use the grouped command directly in the template to avoid a mismatch.</p>
US14468	<p><b>Symptom:</b> PVOS commands values may vary between the template and device running-config</p> <p><b>Scenario:</b> When using template configuration to configure Power over Ethernet settings, the template command <b>power-over-ethernet pre-std-detect</b> is modified in the running configuration to add port values. OV3600 supports a 1:1 comparison of commands from the template and the device running-config, so this modification of the value may incorrectly cause the device to show a mismatch.</p> <p>For example, the template may show the command:</p> <pre>power-over-ethernet pre-std-detect</pre> <p>While the running-config adds port number values</p> <pre>power-over-ethernet pre-std-detect ports 1-48</pre>

**Table 11: Known Issues in OV3600 8.2 (Continued)**

ID	Description
US14468	<p><b>Symptom:</b> PVOS commands values may vary between the template and device running-config</p> <p><b>Scenario:</b> When using template configuration for 5400R, 3810, and 3800 Aruba switches, if the template command <b>ip aspath list</b> does not include a sequence number, the running configuration applies a sequence value of <b>5</b>. OV3600 supports a 1:1 comparison of commands from the template and the device running-config, so this modification of the value may incorrectly cause the device to show a mismatch.</p> <p>For example, the template may show the commands:</p> <pre>ip aspath-list listname deny abcd</pre> <p>While the running-config adds a sequence number to the running configuration:</p> <pre>ip aspath-list "listname" seq 5 deny "abcd"</pre>
US14471	<p><b>Symptom:</b> PVOS commands values may vary between the template and device running-config</p> <p><b>Scenario:</b> On 2530 and 2620 Aruba switches, some ArubaOS-Switch Operation System commands which are executed individually on the switch appear in a modified format in the device running-config, where leading zeros in a configuration value are added or deleted, and hexadecimal values in a template configuration may appear in a decimal value in the running configuration. OV3600 supports a 1:1 comparison of commands from the template and the device running-config, so this modification of the value format may incorrectly cause the device to show a mismatch.</p> <p>For example, the template may show the command:</p> <pre>qos rate-limit dscp 0 1 kbps 0</pre> <p>While the running-config adds one or more leading zeros to the value:</p> <pre>qos rate-limit dscp 000000 1 kbps 0</pre> <p><b>Workaround:</b> Use the expanded command set in the template to avoid a mismatch.</p>
US14471	<p><b>Symptom:</b> PVOS commands values may vary between the template and device running-config</p> <p><b>Scenario:</b> On 2530 and 2620 Aruba switches, some ArubaOS-Switch Operation System commands which are executed individually on the switch appear in a modified format in the device running-config, where leading zeros in a configuration value are added or deleted, and hexadecimal values in a template configuration may appear in a decimal value in the running configuration. OV3600 supports a 1:1 comparison of commands from the template and the device running-config, so this modification of the value format may incorrectly cause the device to show a mismatch.</p> <p>For example, the template may show the command:</p> <pre>qos rate-limit dscp 0 1 kbps 0</pre> <p>While the running-config adds one or more leading zeros to the value:</p> <pre>qos rate-limit dscp 000000 1 kbps 0</pre> <p><b>Workaround:</b> Use the expanded command set in the template to avoid a mismatch.</p>

**Table 11: Known Issues in OV3600 8.2 (Continued)**

ID	Description
US14471	<p><b>Symptom:</b> Individual PVOS commands values are unnecessarily divided in the device running-config</p> <p><b>Scenario:</b> Some ArubaOS-Switch Operation System commands which are executed individually on the switch appear in multiple lines in the device running-config. OV3600 supports a 1:1 comparison of commands from the template and the device running-config, so this grouping may incorrectly cause the device to show a configuration mismatch.</p> <p>For example, the template may show one individual command:</p> <pre>ip source-interface all vlan 1</pre> <p>While the running-config divides the values from this command into multiple lines:</p> <pre>ip source-interface tacacs vlan 1 ip source-interface radius vlan 1 ip source-interface syslog vlan 1 ip source-interface telnet vlan 1 ip source-interface tftp vlan 1 ip source-interface snmp vlan 1 ip source-interface sflow vlan 1</pre> <p><b>Workaround:</b> Use the expanded command set in the template to avoid a mismatch.</p>
N/A	<p><b>Symptom:</b> Due to a known issue on an Aruba switch (CR191863), the switch state does not change from <b>Factory</b> to <b>Non-Factory</b> unless the switch reboots. If OV3600 pushes a partial configuration that does not require a reboot, OV3600 continues to see the switch in the <b>Factory</b> state.</p> <p><b>Scenario:</b> The switch UI page that allows you to fetch a template includes a <b>Push complete configuration file: Device is rebooted after config push</b> option. If a user selects <b>No</b> for this option on a factory-default switch provisioned via a DHCP server, OV3600 only pushes a delta configuration, which does not result in a switch reboot. If a user adds settings via OV3600 that are not supported by OV3600 8.2, the full configuration is not pushed and hence the unsupported commands are not applied on the switch.</p>
N/A	<p><b>Symptom:</b> If a user decides to reset the switch to a factory default state from the switch command-line interface, all stored passwords, security credentials and system settings will reboot in a factory default state.</p> <p><b>Scenario:</b> This issue occurs because OV3600 always executes the <b>include-credentials</b> command when pushing a configuration to a switch.</p>
N/A	<p><b>Symptom:</b> Unrecognized PVOS command syntax.</p> <p><b>Scenario:</b> OV3600 may not recognize some syntax for some ArubaOS-Switch Operating System commands, and therefore will not allow to users to configure these commands via OV3600.</p>

**Table 11: Known Issues in OV3600 8.2 (Continued)**

ID	Description
N/A	<p><b>Symptom:</b> Unrecognized PVOS defaults and values.</p> <p><b>Scenario:</b> OV3600 may not recognize some default values or the "no" syntax for some ArubaOS-SwitchOperating System commands, and therefore will not recognize these values when these commands are configured via OV3600.</p> <p>For example, if a template has the command <b>ipv6 hop-limit 100</b>, OV3600 would be expected to push the default value for this command ( 64 hops) if that line is removed from the template. If the default value is missing from the command and not recognized by OV3600, the device could not return to its default value, and a configuration mismatch could occur.</p> <p><b>Workaround:</b> Issue the default value for the command within <b>&lt;push_to_exclude&gt;</b> tags in the template, as shown below.</p> <pre data-bbox="344 638 625 722">&lt;push_to_exclude&gt;   ipv6 hop-limit 64 &lt;/push_to_exclude&gt;</pre>
N/A	<p><b>Symptom:</b> Commands are hidden in the running-config.</p> <p><b>Scenario:</b> Some commands may be hidden by the switch in the running-config and CLI help. Additional steps may be required to add these command settings via template configuration.</p> <p><b>Workaround:</b> Add a hidden command to a device running config by including within <b>&lt;push_to_exclude&gt;</b> tags. For example, to add the commands <b>crypto key zeroize autorun rsa</b> and <b>crypto key zeroize ssh-client-key</b>, to the template, use the following format:</p> <pre data-bbox="344 989 807 1100">&lt;push_to_exclude&gt; crypto key zeroize autorun rsa crypto key zeroize ssh-client-key &lt;/push_to_exclude&gt;</pre>