OmniVista 3600
Air Manager
8.2.7

Alcatel·Lucent
Enterprise

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OmniVista 3600 Air Manager 8.2.7 introduces new features and fixes to previously outstanding issues. Refer to these release notes for the most up-to-date information.

These release notes contain the following chapters:

- "New Features and Enhancements" on page 4 describes the new features and enhancements in this release.
- "Resolved Issues" on page 29 describes issues we've fixed.
- "Known Issues" on page 38 describes known issues.
- "Upgrade Instructions" on page 43 describes how to upgrade your software.

Contacting Support

Contact Center Online	
Main Site	https://www.al-enterprise.com/
Support Site	https://support.esd.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 8.2.7 is a major release that introduces new features and enhancements described in the following sections.

APs/Devices is Now Called Devices

We changed the name APs/Devices in the navigation sidebar because over time OV3600 supports much more than APs. References to APs/Devices have been replaced with Devices in the *OV3600 8.2.7 Getting Started Guide*, *Deploying Instant in AirWave 8.2.7*, *Aruba Networks and OV3600 8.2.7 Best Practices Guide*, *OV3600 8.2.7 User Guide* and *OV3600 8.2.7 Switch Configuration Guide*.

VisualRF Floor Plan Replacement

With OV3600 8.2.7, you can replace a floorplan background image. It can be accessed by right-clicking on the floor plan and then clicking **Replace Floorplan**. This action is similar to how you perform other floor plan edits.

Switch Monitoring Improvements

Available for AOS-W switches, OV3600 puts all your switch monitoring information in one place. There are horizontal tabs across the top of the page, so you don't have to scroll down to view the data.

You can open the Switch Monitoring page by navigating to **Devices > List** and selecting a switch from the list. Or, from a topology map, hover over the device to access the quick link in the tooltip (see Figure 1).

Figure 1: *Accessing a Monitoring Page from Topology*
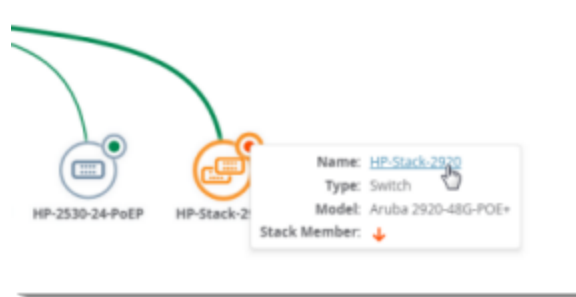
	Localization isn't available for new switch monitoring pages. Buttons, menus, and tabs display in English.

Getting Started

From the monitoring page for a switch or switch stack, you can view color-coded status, navigate using quick links, and get details from tooltips.

Color-Coded Status

Color-coded thresholds and icons help you visualize status and hardware-related alerts. For information on the threshold values that each color represents, see "Hardware Tab" on page 19.

For current device status, green text indicates whether the device is up (Figure 2).

Figure 2: *Device Information*

Device Info

Name:	**HP-2920-48G-POEP**	Status:	**Up**
Group:	**2920G**	Uptime:	**13 days 13 hrs 23 mins**
Folder:	**Top > Standalone_AOS-Switch**	Last Contacted:	**06/28/2018 06:24:47 PM**
Management Mode:	**Monitor Only + Firmware Upgrades**	Firmware:	**WB.16.06.0000x (ROM: WB.16.03)**
Type:	**Aruba 2920-48G-POE+**	Clients:	**2**
MAC Address:	**D0:67:26:81:B6:80**	Upstream Device:	**-**
Serial Number:	**SG7BFLZMP6**	Upstream Port:	**-**
Model Number:	**J9729A**		
Contact:	**demo**		
Location:	**thursday**		
Notes:	**APs and Clients are connected.**		

Gray text indicates that the switch is disabled, or the stack is active (Figure 3).

Figure 3: *Stack Information*

Stack Info

Name:	**HP-Stack-2920**	Status:	**Active**
Group:	**2920Stack**	Members:	**2	2 Up**
Folder:	**Top > 2920Stack**	Last Contacted:	**In 7 hours**
Management Mode:	**Monitor Only + Firmware Upgrades**	Firmware:	**WB.16.05.0004 (ROM: WB.16.03)**
IP Address:		Clients:	**-**
Contact:	**-**	Usage:	**111.63 Kbps**
Location:	**-**	IMC:	**Intelligent Management Center**
ID:	**-**		
Topology:	**Chain**		
Split Policy:	**One Fragment Up**		

Color-coded port status shows you the health of your ports (Figure 4).

**Figure 4:** *Ports and Power over Ethernet (PoE) Status*

Status

Ports		PoE	
Up:	**34**	Total Power:	**370 W**
Down:	**14**	Used Power:	**190 W**
Disabled:	**0**	Remaining Power:	**180 W**
Alerts:	**1**	Power Denied Counter:	**0**

Navigate Using Quick Links

Blue links let you navigate to group and folder monitoring pages; open a WebUI, CLI session, or the Intelligent Management Center (see Figure 3). These quick links also let you switch between stack and stack member monitoring pages .

In Figure 5, clicking the IP address link and selecting HTTPS will open a secure HTTP session with the stack commander.

**Figure 5:** *Accessing the WebUI from the Stack Information*
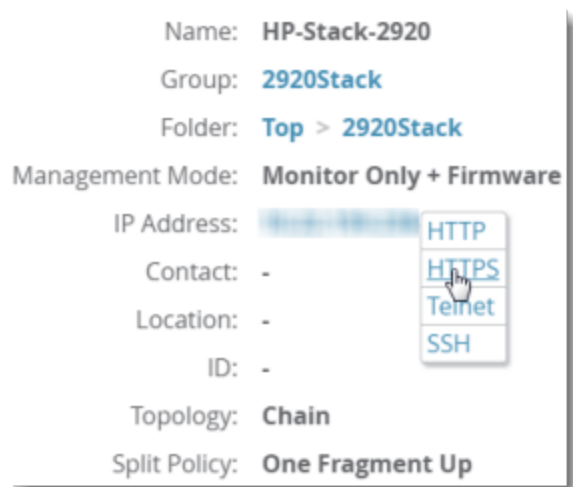
When looking at a stack, OV3600 will display information about each stack member in the Stack Member table at the bottom of the Summary tab. You can easily go from one switch member to another in the stack by clicking the blue stack member link to open the monitoring page for the stack member (see Figure 6).

Figure 6: *Accessing the Monitoring Page for a Stack Member*

Name	Switch Role	Member Index	Type	Model Number	MAC Address	Serial Number	Member Priority	Status
HP-Stack-3800-1	Member	1	Aruba 3800-24G-2XG	J9585A	3C:A8:2A:47:50:C0	SG54G0X272	128	Up
HP-Stack-3800	Commander	2	Aruba 3800-24G-PoE+-...	J9573A	58:20:B1:BE:C2:00	SG59G0S20R	150	Up
HP-Stack-3800-3	Member	3	Aruba 3800-24G-PoE+-...	J9573A	58:20:B1:BE:74:C0	SG59G0S20F	128	Up
HP-Stack-3800-4	Standby	4	Aruba 3800-24G-2XG	J9585A	50:65:F3:B4:42:00	SG52G0X04K	128	Up

If you navigate away from the monitoring page for the stack, you will see the stack name link in the upper-left corner of the WebUI (see Figure 7). Click this link to return to the monitoring page.

Figure 7: *Navigate Backwards from the Member to the Stack*
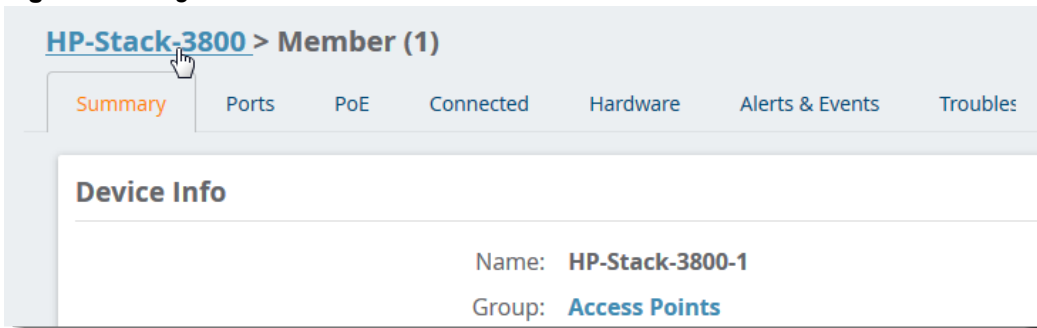

Get Details from Tooltips

Find out details about power supplies, environmental information, memory and CPU consumption by pointing your mouse over the statistics. When looking at the hardware status for the stack, icons and color-coded thresholds are the same as for stand-alone switches, but OV3600 displays the details for stack members (see Figure 8). For more information about monitoring your hardware, see "Hardware Tab" on page 19.

Figure 8: *Hardware Tooltips*
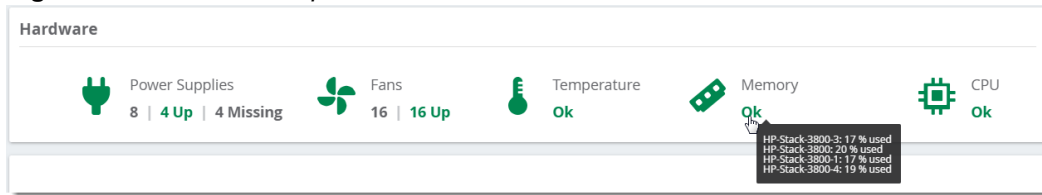
Get details about usage and connected clients by pointing your mouse over the graphs. For more information about monitoring connected clients, see "Connected Tab" on page 15.

Figure 9: *Viewing Graph Tooltips*
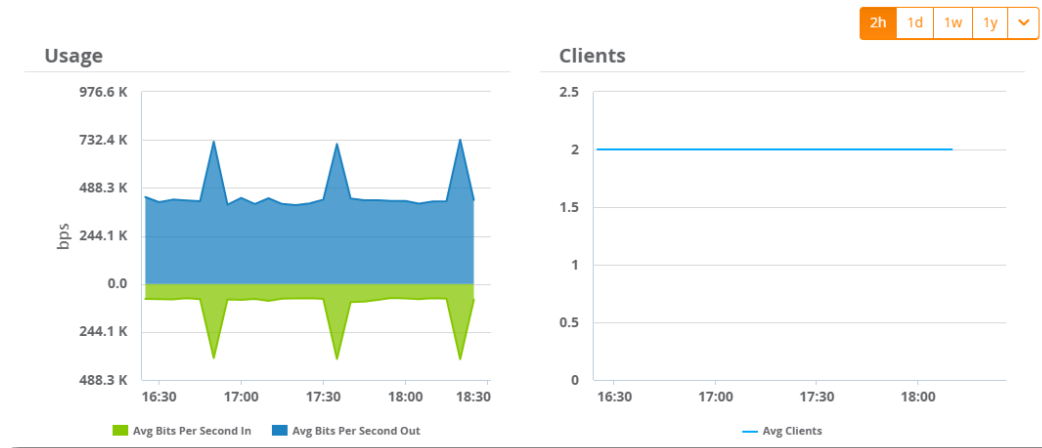
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Summary Tab

The Summary tab is the central point for monitoring your switches and switch stacks. Track status like device uptime, trunk and uplink connectivity, available power, number of fans present, environmental information, CPU and memory usage. For stacks, you can see important information like member status, stack topology, and split stacking policy.
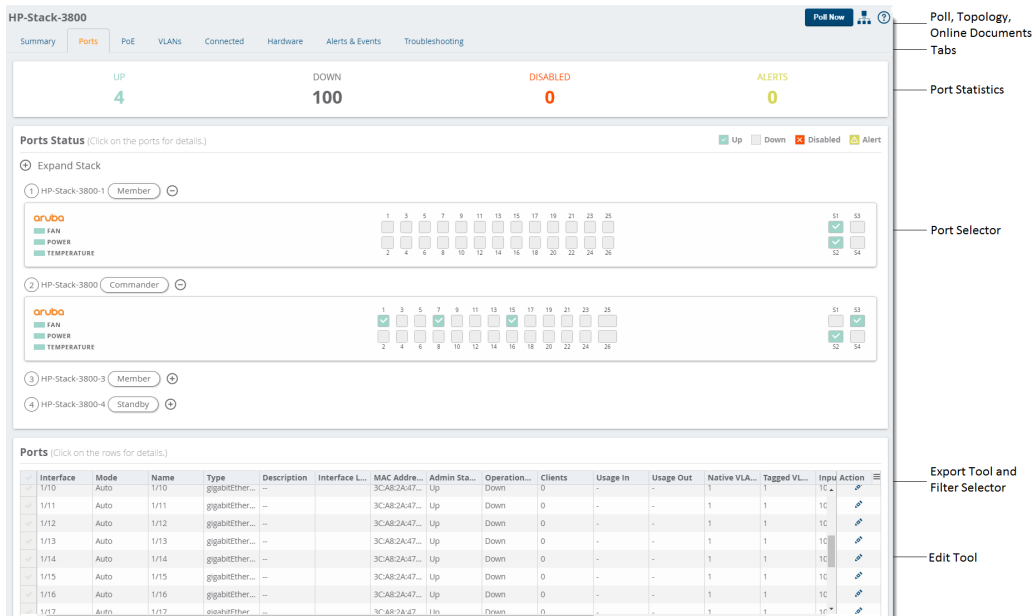
Ports Tab

With the Ports tab, OV3600 displays the front panel of the switch, letting you visualize port status, hardware status, and other properties. Select **Ports** at the top of the Switch Monitoring page to open the Ports tab.

Figure 10: *Ports Tab for a Switch Stack*

See Port Counts

You can see from the colored numbers how many ports are up, down, disabled, or how many alerts are red and require action.

You can also identify SFP ports on a Gigabit switch by their rectangular shape, and stack ports by their number. For example, if there are Stack Ports 1, 2, 3, and 4, you'll see them labeled as S1, S2, S3, and S4 on the switch faceplate, as shown in Figure 11.

Figure 11: *Example of Stack Ports*

NOTE	Port status isn't available for stack ports.

Open a Port Status Pop-Up

You can point your mouse over the interactive faceplate to view port status, or click the port to view details and graphs in a pop-up window, as shown in Figure 12. If you manage a large number of devices and you want to collapse the view, click ⊖ at the stack or member level.

Figure 12: *Opening the Ports Status Pop-up*
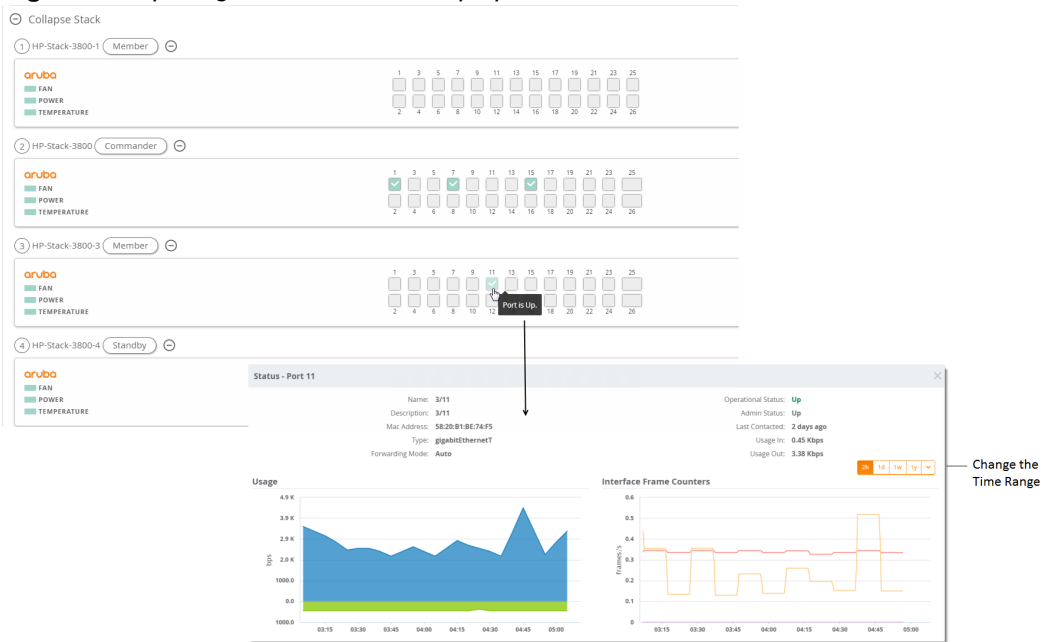

Edit a Physical Interface

You can configure the port interface and add optional details using the Edit tool.

1. From the Ports tab, locate the interface in the Port table.

Figure 13: *Selecting the Interface*

2. Click ✏ to open the Edit Interface pop-up window.
3. Type a descriptive label to identify the port interface.
4. Type a port description that could be helpful for anyone tracing the port.

Figure 14: *Edit Interface for a Port*
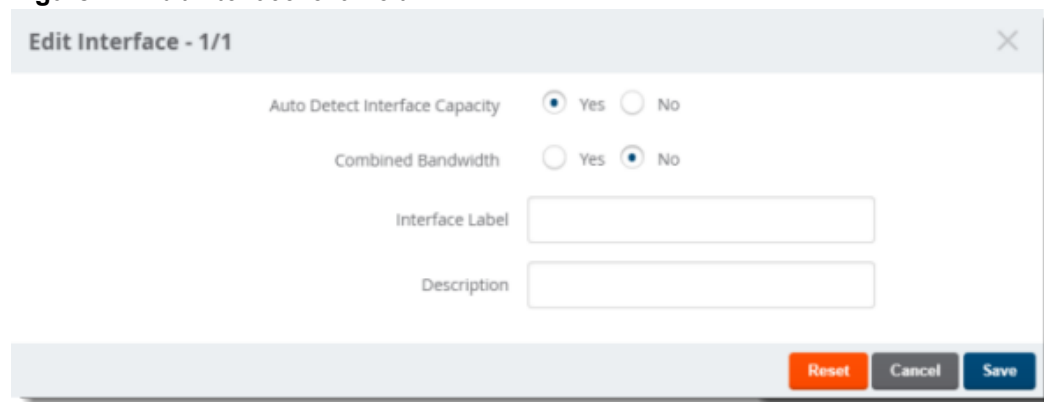
5. Click **Save**.

## Get Interface Details

From the Ports table, you can see:

- Interface identfied by the interface number.
- Port speed and duplex (data transfer operation), or mode.

- If available, the name of the interface entered on the Edit Interface pop-up.
- Type of port, such as gigabit Ethernet (gigabitEthernetT) and 10 gigabit Ethernet (tenGbE-T).
- If available, information about the interface entered on the Edit Interface pop-up.
- If available, the interface label.
- MAC Address assigned to the interface.
- Admin Status: up or down.
- Operational status of the interface: up or down.
- How many clients are connected to the device.
- If available, the incoming interface load in Kbps.
- If available, the outgoing interface load in Kbps.
- ID number of the native VLAN on the neighbor device.
- Ports that are part of the specific tagged VLAN.
- Input capacity of the interface in Mbps.
- Output capacity of the interface in Mbps.
- Maximum transaction unit (MTU) which can be received on the neighbor device.
- Port duplex mode, which can be set to auto-negotiate the duplex mode when the device makes a network connection, or manually set to full or half-duplex mode.
- If the port is part of a trunk.
- If the port is part of a group of trunks.

PoE Tab

If the switch supports PoE, OV3600 provides detailed information on the configuration, power usage, and statistics of a selected port. Select **PoE** at the top of the monitoring page for the switch or stack to open the PoE tab.

Figure 15: *PoE Tab*
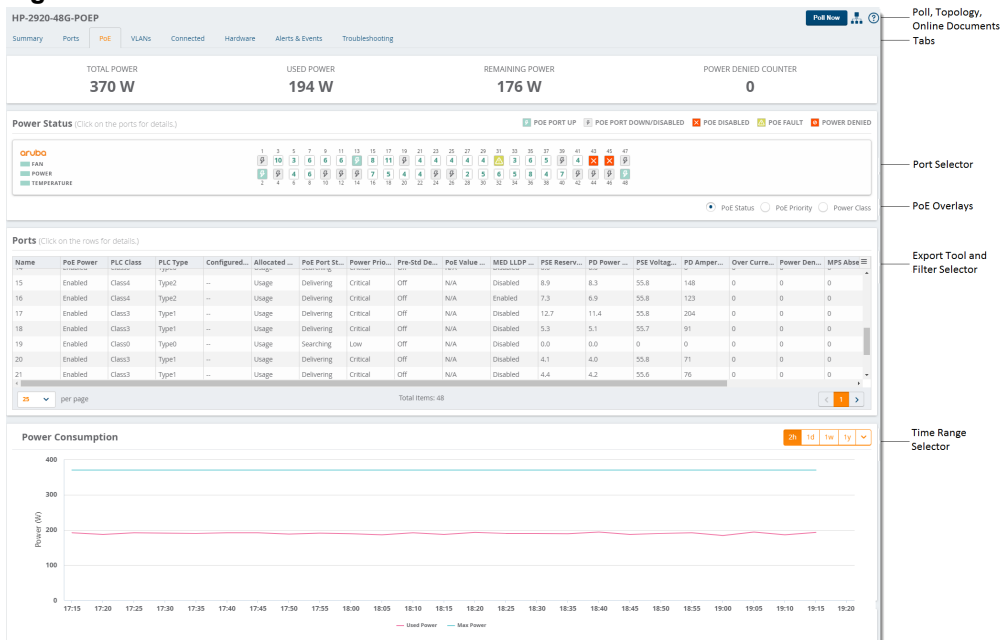
See PoE Statistics

High-level counts tell you the total power available, used, and remaining. When more power is required than allowed for a device or port, OV3600 will display a powered denied count.

Change the Faceplate Using Overlays

You can change the information you see in the faceplate by selecting the PoE status, PoE priority, or Power Class overlays at the lower right corner of the faceplate.
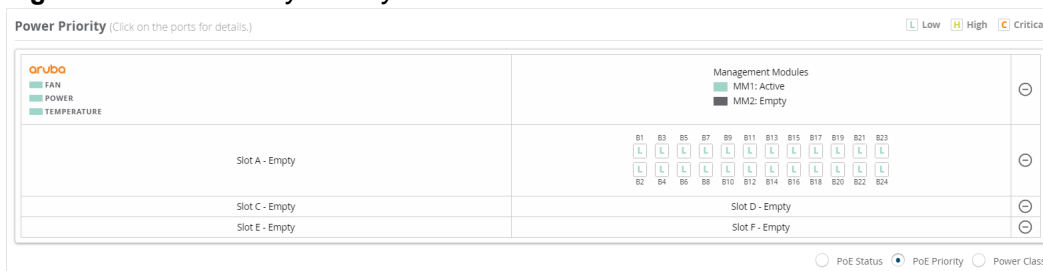
In Figure 16, Ports B23 and B24 are online and not using power.

Figure 16: *Power Status Overlay*

In Figure 17, the power priority for all the PoE ports is low. If there is a power demand higher than the power budget on the switch, Port B1 has priority over Port B24.

Figure 17: *Power Priority Overlay*

In Figure 18, all the PoE ports are designated as PoE Power Class 0 and must be allocated up to 12.95 W.

Figure 18: *Power Class Overlay*

Get Port Details

From the Ports table (Figure 19), you can see :

- PoE configuration, including the PoE power, PLC class/type, power allocation method, current PoE port status, power priority, pre-standard detection, and the maximum power draw allocated to a PD on a port.
- LLDP information, including whether the switch supports PoE negotiation over LLDP.
- Statistics like PSE reserved power, actual power drawn from the PD, over current count, power denied count, PSE voltage, PD power draw, MPS absent count, short count, PSE TLV configured, and PSE TLV configured.
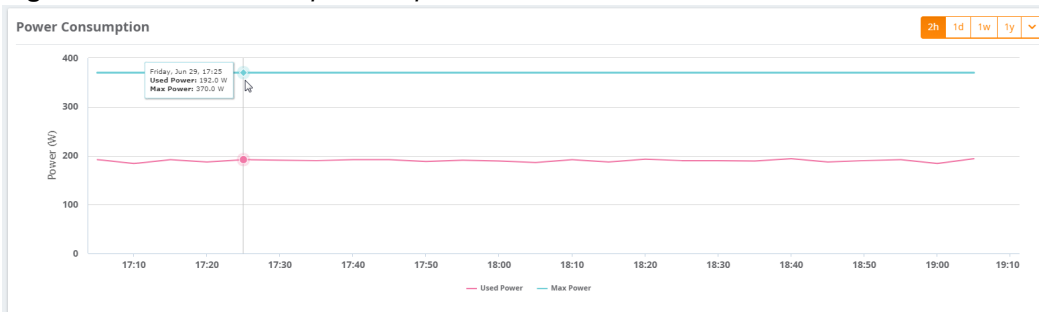
Figure 19: *Ports Table*

View Power Consumption

The Power Consumption graph shows you the maximum power and power in use on the PoE slot, as shown in Figure 20.

Figure 20: *Power Consumption Graph*

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VLANs Tab

The VLANs tab shows all the details about the switch, including the configured VLANs and the port mappings for both tagged and untagged VLANs. Selecting **VLANs** at the top of the monitoring page for the switch or stack opens the VLANs tab.

NOTE

The VLANs tab isn't available for members in the stack, and it is only available from the stack view.

Change the VLANs View in the Faceplate

You can change the VLANs view by select a VLAN from the VLANs table. OV3600 highlights the tagged or untagged ports in the faceplate.

In Figure 21, OV3600 highlights tagged Ports 15 to 18 when you select VLAN 2.

Figure 21: *Highlighting the Tagged Ports in the Faceplate*

Get Trunk Details

If VLAN trunking information is available, OV3600 displays a list of active trunks on the device or the configured trunk groups. Active trunks are trunk groups that have ports assigned to them.

Get Virtual Interface Details

From the Virtual Interface table, you can see:

● Interface configuration, including the name, type of interface, MAC address, IP address and an alias, and the IPv6 global unicast address.

● Status on the port and interface.

● If any, interface labels entered on the Edit Interface pop-up. For more information, see "Edit a Virtual Interface" on page 14.

Edit a Virtual Interface

You can configure the virtual interface and add optional details using the Edit tool.

1. Navigate to the monitoring page of a switch that has a configured VLAN.

2. Select the VLANs tab, then scroll down the page to locate the interface in the Virtual Interfaces table.

3. Click ✏ to open the Edit Interface pop-up window.

Figure 22: *Edit Interface*

4. Type a descriptive label to identify the port interface.

5. Type details in the Description field that could be helpful for anyone working with the device.

6. Click **Save**.

Connected Tab

When OV3600 detects client devices connected to the switch and neighbors that are up or down stream, you can access information about them from the Connected tab.

To view connected devices and neighbors:

1. From the navigation sidebar, go to **Devices > List** and select a switch from the list.

2. Select Connected at the top of the Switch Monitoring page.

Figure 23: *Connected Tab*

See Connected Device and Neighbor Counts

AirWave detects authenticated and rogue devices and reports them in the Connected Devices table. AirWave also uses upstream data to calculate possible neighbors and reports these devices in the Neighbors table (see Figure 23).

Determine Which Device Is Connected to a Port

Mouse-over the port number to view status and connected devices. In , you can see from the tooltip information about the rogue and get the MAC address of the device from the Connected Devices table beneath the faceplate.

Figure 24: *Viewing Connected Device Details from the Tooltip*
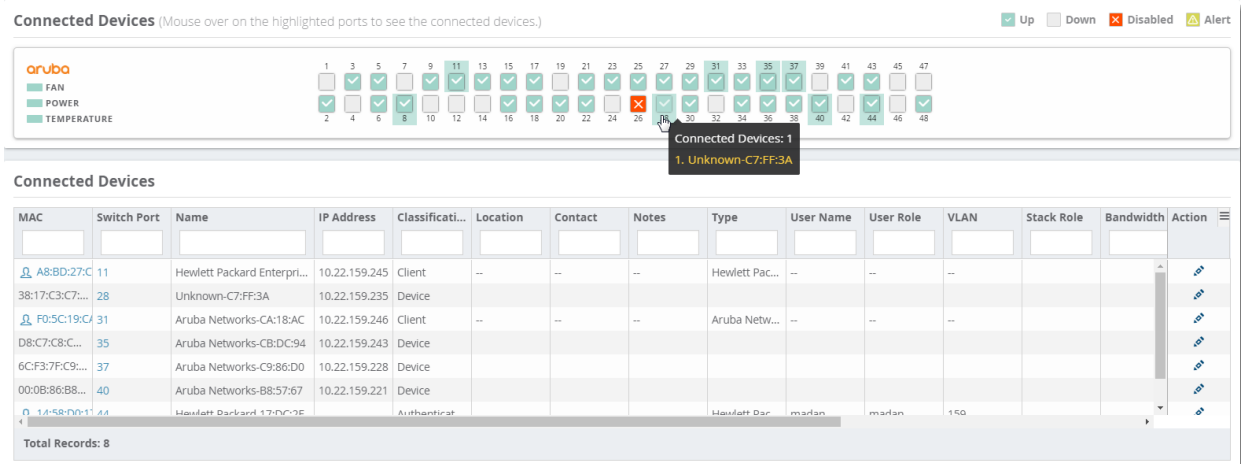
Get Connected Devices Details

Table 1 describes fields that you see in the Connected Devices table.

Table 1: *Connected Devices Fields and Descriptions*

Field	Description
MAC	MAC address for the switch or router. This link provides access to the diagnostics page for the client. Find more information about troubleshooting client issues, see the *OV3600 8.2.7 User Guide*.
Switch Port	Port number associated with the switch or router. This link provides access to the monitoring page for the interface.
Name	Name of the switch or router. You can enter any name.
IP Address	If the gateway is managed by OV3600, the IP address is shown here.
Classification	Displays the classification of the switch or router after OV3600 detects the device: ● Authenticated Client. This link provides access to the Connected Client page. ● Client. This link provides access to the Rogue table, where you can identify the device.
Notes	Notes to help you identify the client. You can enter anything.
Type	Type of device. You can enter anything.
User Name	Name that is used on the device for authentication.
User Role	Identifies the role-based operations that can be performed on the device.
VLAN	The number of the VLAN.
Stack Role	In a stack of switches, the role can be: master.
Bandwidth	The bandwidth used by the device. If the device supports bandwidth per MAC address, the bandwidth shown is the total bandwith used by all attached devices.
Host Name	The hostname of the neighbor device, which is retrieved from the DNS lookup.

Field	Description
Authen Type	The authentication server type: • Dot1x • Captive Portal • Local MAC Auth • WPA-PSK
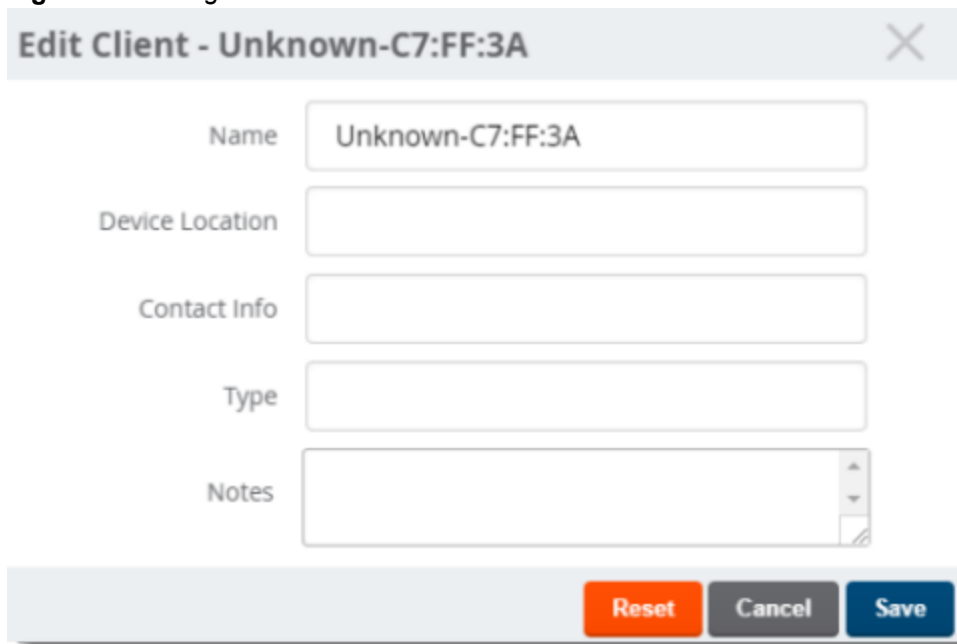
Edit a Connected Device

OV3600 doesn't gather much information about connected devices. If you edit a connected device, OV3600 reclassifies the devices as an unauthenticated client.

To edit a connected device:

1. Navigate to the monitoring page of a switch that has a connected device.

2. From the Connected tab, locate the device in the Connected Devices table.

3. Click ✎ to open the Edit Client pop-up.

Figure 25: *Editing the Connected Device*

4. Add a name, device type, location, contact, or notes to the unknown device.

5. Click **Save**.

Get Neighbor Details

OV3600 uses SNMP/HTTP or CDP/LLDP to discover devices on the network and goes a step further, discovering neighbors directly connected to the switch. You can filter the Neighbors table to display neighbors connected to the port.

Table 2 describes the Neighbors Table fields and descriptions.

Table 2: *Neighbors Table Fields and Descriptions*

Field	Description
Name	Displays the name of the neighbor device. For example, a MAC address, hostname, or make and model. If an IP address is known for the device, a link provides access to the monitoring page for the switch or router.
Neighbor Port	Displays the port ID of the neighbor device.
Local Port	Displays the port ID of the local device device.
Address Type	Displays the type of address of the neighbor device.
Address	Displays the network address associated with the neighbor. This link provides access to the web management interface. Hover your pointer over the to open a managment window to the device using HTTP, HTTPs, telnet or SSH.
Desc	Specify a description that provides additional information about the neighbor device (recommended).
Capabilities	Displays the device type: router, switch, or none (information is not available)
Version	Displays the software version running on the neighbor device.
CDP Version	Indicates the software version running on the neighbor device.
Duplex	Indicates the mode of operation of the connection: simplex, duplex, or half-duplex.
Power Drawn (Watts)	Displays the amount of power used on the interface of the neighbor device.
VTP Mgmt Domain	Displays the name of the group of VLANs associated with the neighbor device.
Sysname	Displays the system name of the neighbor device.
Primary Mgmt Address Type	Displays the type of address of the primary management interface.
Primary Mgmt Address	Displays the network address of the primary management interface.
Secondary Mgmt Address Type	Displays the type of address of the secondary management interface.
Secondary Mgmt Address	Displays the network address of the secondary management interface.
Physical Location	Displays the location of the neighbor device.
Native VLAN	Displays the ID number of the VLAN on the neighbor device.

| Field	Description
Appliance ID	Displays the ID number of the appliance.
VLAN ID	Displays the ID number of the management Vlan on the neighboring device.
Last Change	Indicates when the device was last seen.
MTU	Specifies the largest packet size which can be received on the neighbor device.
Source	Displays the protocol used for device discovery: CDP.

Hardware Tab

Color-coded thresholds show power status for power supplies, fans, and temperature on the Hardware tab, and graphs show you overall CPU and memory usage (see Figure 26).

NOTE

You can't customize hardware thresholds.

Figure 26: *Hardware Tab*
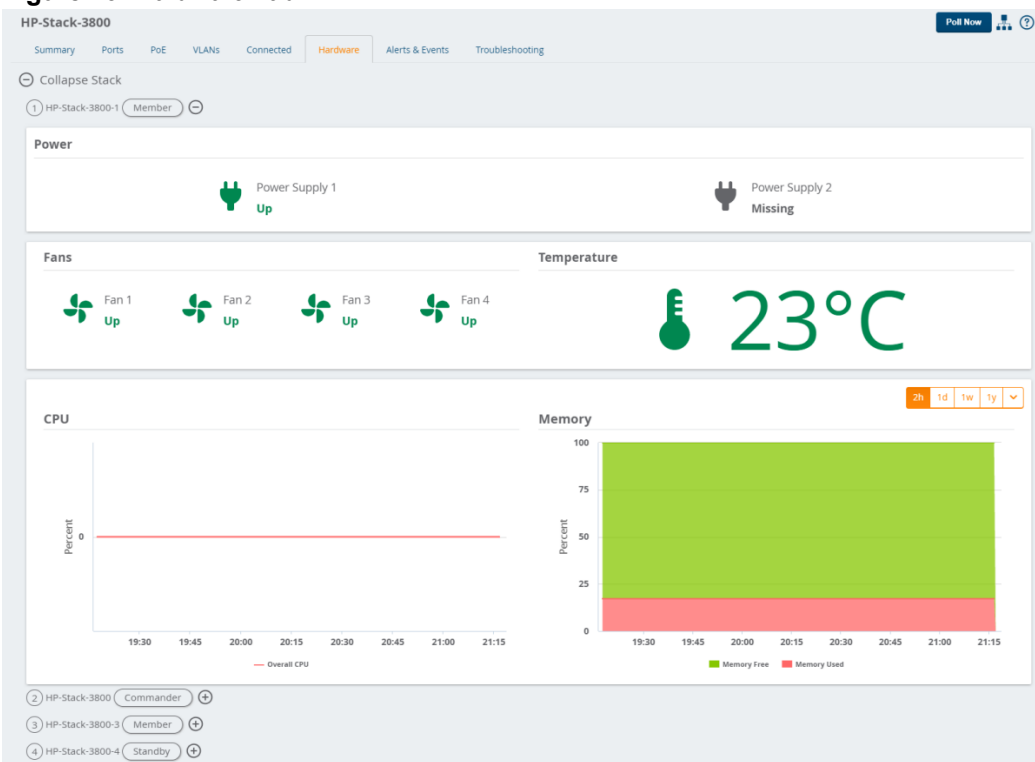
Table 3 describes the color-coded thresholds and icons on the Hardware tab.
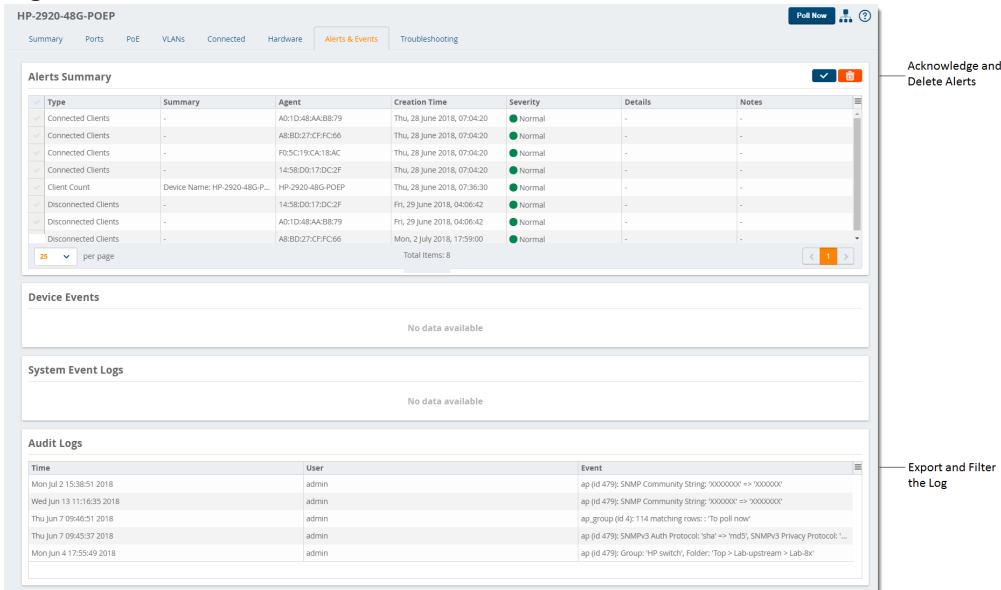
Table 3: *Hardware Status and Thresholds*

Status	Power Supply	Fan	Memory	CPU	Temperature
Good	All power supplies are up. **NOTE:** The status is OK even if there are missing power supplies.	All fans are up. **NOTE:** The status is OK even if there are missing fans.	Usage is < 75%.	Usage is < 75%.	The temperature is in the range of 0° C to 55 ° C.
Fair	NA	NA	Usage is between 75% to 90%.	Usage is between 75% to 90%.	NA
Poor	NA	At least 1 fan is down	Usage is > 90%.	Usage is > 90%.	The temperature is <0° C or > 55° C.
Info	Missing power supplies.	Missing or removed fans.	NA	NA	Information is unavailable.

Alerts & Events Tab

The Alerts & Events Tab provides monitoring information for the device (see Figure 27).

Figure 27: *Alerts & Events Tab*

Acknowledge an Alert

To acknowledge an alert:

1. Go to **Devices > List**, then select a switch from the list. For example, the status in Figure 28 shows 2 alerts on the switch.

Figure 28: *Viewing Alerts on the Summary Tab*
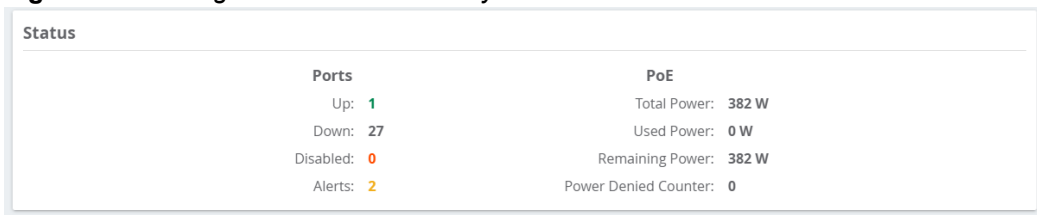
2. Select the **Alerts & Events** tab near the top of the page. Information about the alerts are at the top of the page, as shown in Figure 29.

Figure 29: *Alerts Summary on the Alerts & Events Tab*
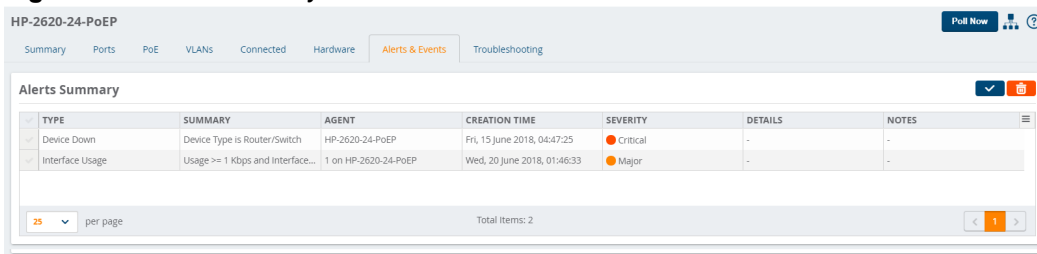
3. Select the alert and click [✓] to acknowledge the alert (Figure 30).

Figure 30: *Acknowledging the Alert*
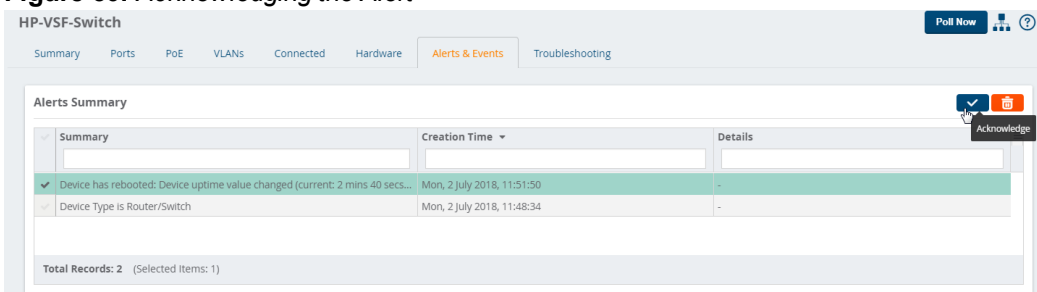
4. Check the Alerts Summary table to confirm that OV3600 cleared the alert (see Figure 31).

Figure 31: *Confirming That the Alert Cleared*
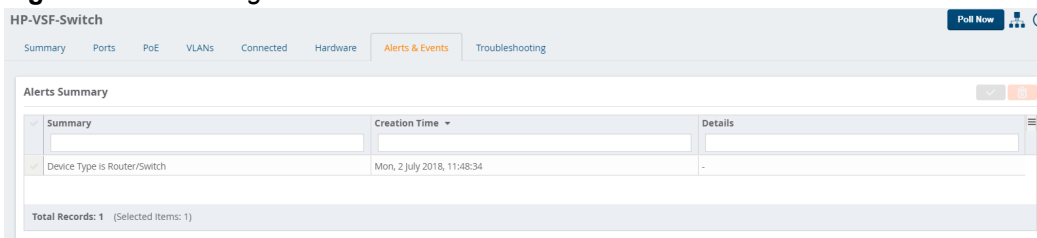
Troubleshooting Tab

Schedule commands to run automatically from the CLI, run commands on a device or a stack, and run cable tests in the Troubleshooting tab.

Run a Command

OV3600 put all the useful commands into a drop-down menu on the Troubleshooting tab.

To run a command:

1. Go to **Devices > List**, then select a switch from the list to monitor.

2. In the Troubleshooting tab, click the Command field and select one or more commands from the drop-down.

Figure 32: *Selecting a Command*
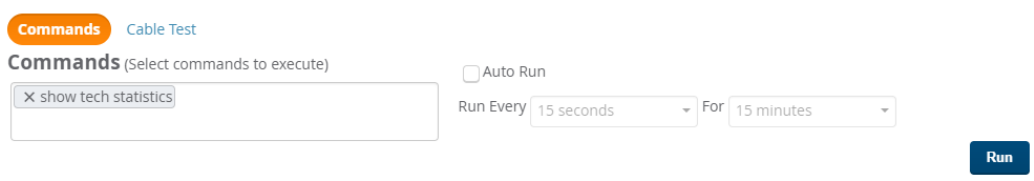
3. If you want to schedule a set of commands to run automatically at a specific time, select **Auto Run** and enter a time interval.

4. Click **Run**. The output of the show tech statistics command in Figure 33 shows only 1 port transition in Port A1.

Figure 33: *Viewing the CLI Output*
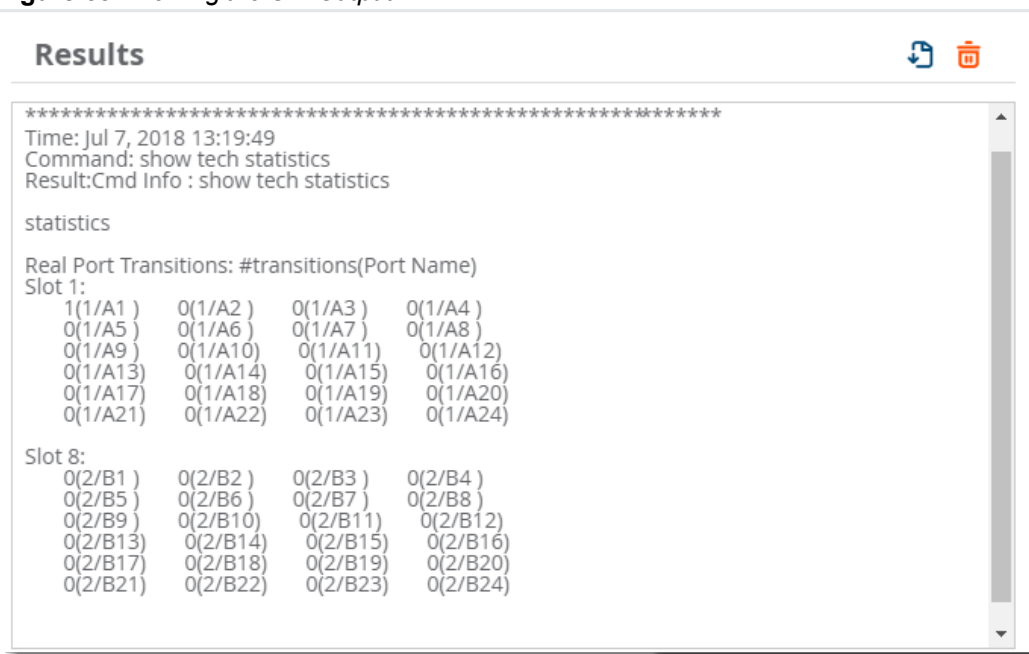
5. Click 🗄 to export the results to a text file, or click 🗑 to clear the results.

Test a Cable

You can identify a faulty or miswired cable by running a cable test against one or more ports. The cable test might stop or delay the network. OV3600 will notify you if this happens.

To run a cable test:

1. Go to Devices > List, then select a switch from the list to monitor.

2. In the Troubleshooting tab, click **Cable Test**.

3. Select the ports from the faceplate. In Figure 34 shows that Ports A2, A3, and A4 will be tested.

Figure 34: *Selecting Ports*

4. Click **Run**.

Config Snippets Improvements

We've improved the way you create snippets. First, we moved the Config Jobs page to **Groups > Config** and added a link to Config Snippets, so creating a snippet is one tab away from running a config job (see Figure 35). Next, we made snippets reusable. You can create your snippets and use them once, or save them for later config jobs.

Figure 35: *Config Snippets Tab*
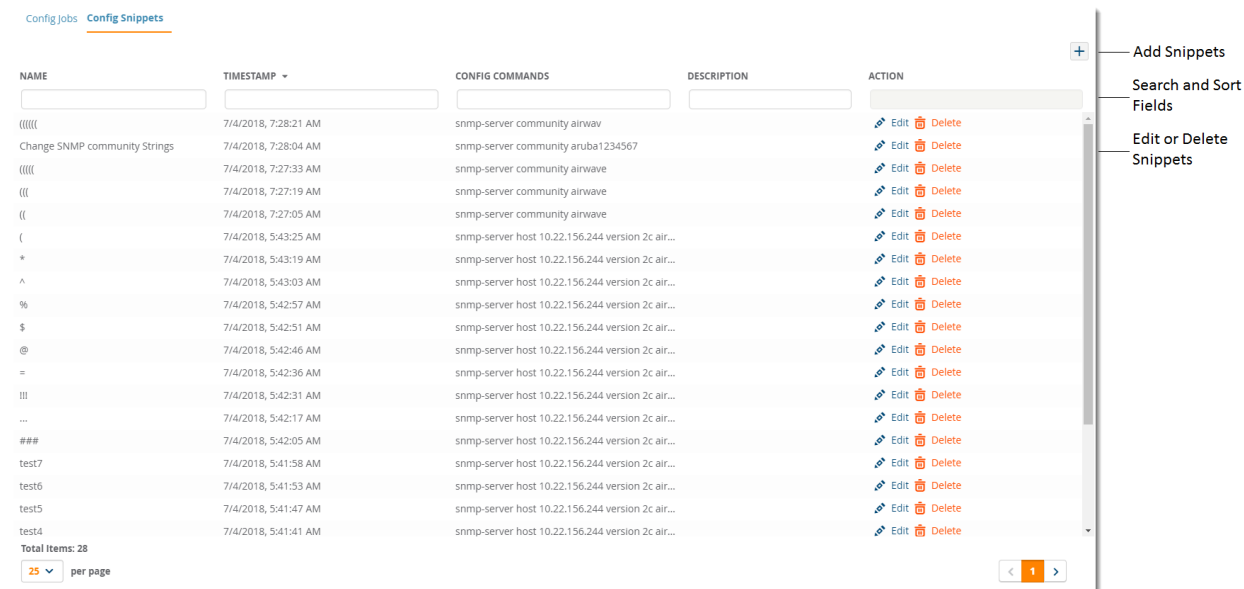
From the **Groups > Config Job** page, you can:

- Add, edit and delete snippets. And, you can create snippets with predefined snippets.
- Run the config job with the options of scheduling the job or saving the configuration as a baseline.

> **NOTE**
> You can also run the config job on a single device from the Device Configuration page. For more information, see "Run a Config Job Using a Snippet" on page 24

> **NOTE**
> Localization isn't available for the new config snippet page. Buttons, menus, and tabs display in English.

Add a Snippet

To create a snippet:

1. Navigate to **Groups > Config Jobs** and open the link to **Config Snippets**.
2. In the Config Jobs page, click ＋.

Figure 36: *Adding a Snippet Called Snippet!*

3. Enter the snippet name.
4. Add a meaningful description about the snippet, if you want.
5. Select the device type for the snippet.
6. Enter one command per line, building your snippet in the order you would configure the device.
7. Click **Add**.

Run a Config Job Using a Snippet

OV3600 lets you run CLI commands with reusable snippets on a device regardless of the device state. For information about supported switch CLI commands, refer to the *OV3600 8.2.7 Switch Configuration Guide*.

You can also use any of the predefined config snippets to run a config job. These snippets appear in the Config Snippet tab, as shown in Figure 37. For information on how to use the predefined config snippet, see "Edit or Delete Snippets" on page 27.

Figure 37: *Predefined Config Snippets*

To run a config job using a snippet:

1. Navigate to **Groups > Config Jobs**, then click **+** to add a config job.
2. In the **Config Job** window, enter a name for the config job.
3. If you want, enter a description.
4. Select the type of device: Alcatel-LucentSwitches, Aruba switches, or Comware switches.
5. If you want to set this config job as the baseline, check the "Running Config as Baseline Configuration" option.
6. Select a configuration snippet from the drop-down. Or, enter the config command manually one per line.

Figure 38: *Adding a Config Job called job1*

7. Click **Next**.
8. In the **Select Device** tab, select the devices and click **Next**. Figure 39 shows that down devices are excluded.

Figure 39: *Selecting Devices for the Config Job*

9. Click **Next**.
10. In the Schedule tab, select **Run Now** and click **Next**. Or, schedule the job to run later and manually enter the time in *YYYY/MM/DD HH:MM* format.

Figure 40: *Scheduling the Config Job*

11. Click **Next**.

12. In the **Confirm** tab, review the config job. Click the blue **Show selected devices** link to view device details.

Figure 41: *Reviewing the Config Job Settings*

13. Click **Confirm** to push the snippet to the switch.

14. From the navigation sidebar, go to **Devices > List** and locate the switch in the Device List table.

15. Click the blue mismatched configuration link to open the Device Configuration page.

In Figure 42, OV3600 displays the newly run config job as the new baseline.

Figure 42: *Viewing the Configuration Job*

Device Configuration (HP-2530-8G-PoEP)
🔒 This Device is in monitor-only-with-firmware-upgrades mode.

Group	2530	Folder	Top › Standalone_AOS-Switch
IP Address	10.22.159.239	Type	Aruba 2530-8G-PoEP
Status	Up (OK)		
Configuration	Mismatched		
IMC	Intelligent Management Center		

Audit   View Configuration Log   View SSH Command Log

Config Backups

Compare   Back Up Now

Name	Timestamp	Baseline	Version	Comments	Action
Current Running Configuration	7/10/2018, 8:50:27 PM		YA.16.05.0007	Latest Configuration from the Device	👁 ✏ ↩
Config_Backup_7_11_2018_6_50_AM_E…	7/10/2018, 8:50:22 PM		YA.16.05.0007	Archived at 7/11/2018 6:50 AM EEST	👁 ✏ ↩
Config_Backup_6_30_2018_11_44_AM_…	6/29/2018, 1:44:30 AM		YA.16.05.0007	Archived at 6/30/2018 11:44 AM EEST	👁 ✏ ↩
Config_Backup_6_28_2018_11_44_AM_…	6/27/2018, 10:35:56 AM		YA.16.05.0007	Archived at 6/28/2018 11:44 AM EEST	👁 ✏ ↩
Config_Backup_6_27_2018_8_35_PM_E…	6/27/2018, 10:30:42 AM		YA.16.05.0007	Archived at 6/27/2018 8:35 PM EEST	👁 ✏ ↩
Config_Backup_6_27_2018_8_30_PM_E…	6/27/2018, 1:44:49 AM		YA.16.05.0007	Archived at 6/27/2018 8:30 PM EEST	👁 ✏ ↩
Config_Backup_6_6_2018_11_44_AM_E…	6/5/2018, 4:05:49 PM		YA.16.05.0007	Archived at 6/6/2018 11:44 AM EEST	👁 ✏ ↩
Config_Backup_6_6_2018_2_05_AM_EEST	6/5/2018, 1:45:08 AM		YA.16.06.0000x	Archived at 6/6/2018 2:05 AM EEST	👁 ✏ ↩

25   per page   Total Items: 11   ‹ **1** ›

Config Jobs

Add Config Job

Edit or Delete Snippets

You can edit a predefined snippet (or any snippet), adding the values that you need. Later, while creating a config job, you can use a predefined config snippets like a user-defined config snippets.

To edit a snippet:

1. Go to **Groups > Config Jobs**, then select the Config Snippets tab.

2. Locate a snippet whose command-lines you want to edit, then click ✏. The Config Snippet window opens, displaying the syntax of the command in the Description field, as shown in Figure 43.

Figure 43: *Editing the Add Syslog Server Snippet*

Config Snippet   ✕

Name *

Add Syslog Server

Description

Enable Logging

Syntax:
logging [IP-ADDR | IPV6-ADDR]

Device Type *

○ Aruba Controller   ● Aruba Switch   ○ Comware Switch

Config Commands *

logging <ip address>

Reset   Cancel   Update

3. Add the correct syntax in the Config Commands field. For example, replace <ipaddress> with the IP address of the syslog server you want to add.

4. Click **Update**.

To delete a snippet:

1. Go to **Groups > Config Jobs**, then select the Config Snippets tab.
2. Locate a snippet you want to delete, then click 🗑.

The following tables describe issues resolved in OV3600 8.2.7, 8.2.6.1, and 8.2.6.

Table 4: *Issues Resolved in OV3600 8.2.7*

ID	Description
DE31329 DE31422	**Symptom:** After upgrading from OV3600 8.2.3 to 8.2.6.1, the configuration status of a managed Instant AP showed a mismatch. Similarly, the configuration status showed a mismatch after a successful configuration push. **Scenario:** OV3600 now handles the RF profile correctly for Instant APs running versions of Alcatel-Lucent Instant earlier than 8.3.0.0.
DE31273	**Symptom:** When pushing a configuration using the Instant GUI Config (IGC), OV3600 adds double quotation marks to the RADIUS server password. **Scenario:** Now OV3600 adds double quotation marks only for passwords with a space.
DE31264	**Symptom:** When doing a bulk template update to manage firmware versions on device groups, OV3600 creates an extra VC template, causing configuration push errors. **Scenario:** OV3600 no longer allows mixed firmware versions on a template. If you have multiple groups with different firmware versions to update, you must manually update each version with a template.
DE31243	**Symptom:** After generating the AppRF report, older data was missing although OV3600 is configured to retain up to 30 GB of AppRF data for 30 days. **Scenario:** We changed the way OV3600 handles errors during nightly maintenance so that data that is present remains usable.
DE31241 DE31371	**Symptom:** After changing the user name and password for a device, or the SNMP community string, with a configuration template, OV3600 couldn't communicate with the device. **Scenario:** OV3600 now updates the configuration status when changes are made, or before pushing the configuration change to the device when the device becomes reachable.
DE31216	**Symptom:** After changing ARM power range settings, the configuration push from the IGC resulted in a mismatch. **Scenario:** OV3600 now handles the RF profile correctly for Instant APs running versions of Alcatel-Lucent Instant earlier than 8.3.0.0.
DE31214	**Symptom:** Report output included client information from restricted folders. **Scenario:** We fixed the issue with folder restrictions and created a new client report.
DE31207	**Symptom:** Couldn't modify the wired network configuration from the Instant Config page. **Scenario:** When you create a wired network, configuration changes made on the Instant Config page for the VC get pushed normally.

Table 4: *Issues Resolved in OV3600 8.2.7 (Continued)*

ID	Description
DE31195	**Symptom:** You couldn't contain rogue APs on Switch running AOS-W 8.2.x.x. **Scenario:** Underlying issues with AOS-W have been fixed, and, when enabled, rogue containment works properly now.
DE31190	**Symptom:** In AppRF, the destination showed "dnsdel," but, when you open the WebUI for the Switch, "dnsdel" isn't listed in the Destination tab. **Scenario:** This issue occurred when a DNS entry is deleted and the controller sends "dnsdel" to OV3600. Now, OV3600 doesn't display this as the destination.
DE31189 DE30073	**Symptom:** When you uploaded more than one floor plan, VisualRF became unavailable and restarted on the second upload. **Scenario:** We fixed the memory issue which occurred when DWG files are more than 500 KB.
DE31181 DE30811	**Symptom:** The VC or IAP configuration status was stuck in "Verifying" until you restarted the daemons. **Scenario:** We fixed the memory allocation issue.
DE31147	**Symptom:** OV3600 showed a configuration mismatch when the IGC saved the IPv6 address without stripping the leading zeroes. **Scenario:** The IGC now strips the zeroes and saves the configuration.
DE31143	**Symptom:** In VisualRF, the floor plan is blurred a day after being uploaded. **Scenario:** We fixed the issue that occurred when 2 files (JPEG and SVG) were created in one floor plan.
DE31134	**Symptom:** The SNMP trap "wlsxLicensePlatformMismatch" is seen in the OV3600 WebUI although OV3600 isn't configured as a trap receiver for the Instant AP. **Scenario:** OV3600 now handles the RF profile correctly for Instant APs running versions of Alcatel-Lucent Instant earlier than 8.3.0.0.
DE31132	**Symptom:** IGC didn't allow you to configure more than 1 DSCP value, or to type more than 2 digits for DSCP mapping. **Scenario:** OV3600 now supports assigning multiple DSCP values for the same WMM standard.
DE31102	**Symptom:** VisualRF doesn't retain the aspect ratio of a DWF image and shows dark triangles on the floor plan. **Scenario:** We fixed the issues which caused the aspect ratio and triangle errors on the floor plan.
DE31092	**Symptom:** There is no SNMPv3 protocol privacy AES option in the IGC. **Scenario:** The IGC has been updated. When you create an SNMPv3 user in the IGC, go to **System > Monitoring** and select DES or AES from the privacy protocol menu.
DE31091	**Symptom:** When you select **Enable Instant GUI Config** on the **Groups > Basic** page, OV3600 doesn't push the DNS IP address for a VC although the IP address is set on the configuration template. **Scenario:** This issue has been fixed and the IGC pushes the IP address properly.

Table 4: *Issues Resolved in OV3600 8.2.7 (Continued)*

ID	Description
DE31071	**Symptom:** After upgrading the OV3600 8.2.6, the channel utilization and performance graphs didn't continuously update. **Scenario:** We changed the way OV3600 handles negative interference which caused this issue.
DE30994	**Symptom:** OV3600 failed to push or verify configurations for Alcatel-Lucent switches. **Scenario:** We fixed the database error which caused this issue.
DE30989	**Symptom:** The **Reboot selected devices** menu option from the Modify Devices tool didn't work for AOS-W 8.0.x.x managed devices. **Scenario:** We added support for AOS-W 8.0.x.x managed devices, so that you can reboot the selected devices.
DE30964	**Symptom:** Clarity Live information on the Home page doesn't display all the AP or client details. **Scenario:** This issue no longer occurs when OV3600 doesn't know all the IP addresses configured on the Switch.
DE30910	**Symptom:** You couldn't configure a banner for an internal captive portal using characters like õ, ä, ö, and ü. **Scenario:** We have added support for non-ASCII characters.
DE30802	**Symptom:** Usage graph (RRD) showed "No data available" in the monitoring page for the Switch. **Scenario:** We fixed the issue that caused OV3600 to drop the BSSID tunnel data.
DE30609	**Symptom:** AMP didn't show VPN users and sessions although the "Prefer AMON vs SNMP Polling" option is enabled. **Scenario:** As a workaround to an underlying AOS-W issue, we added a flag in **AMP Setup > General** page called "Prefer SNMP Polling for VPN Clients". If enabled, OV3600 will continue to retrieve VPN data over SNMP even if "Prefer AMON vs SNMP Polling" is enabled.
DE30582	**Symptom:** In VisualRF, IAPs organized in groups and folders under deployed APs didn't appear in the deployed AP list. **Scenario:** This issue occurred because OV3600 didn't have folder information for the IAP when sending update messages to VisualRF. Now every update message has folder and group IDs.
DE30551	**Symptom:** The *OV3600 8.2.6.1 Supported Devices Guide* didn't list the AP 303HR in Table 1, "AOS-W Device Support". **Scenario:** This information has been added to the *OV3600 8.2.7 Supported Devices Guide*.
DE30530	**Symptom:** Upgrading from OV3600 8.0.11.2 to 8.2.5.1 failed. **Scenario:** This issue has been fixed, and now you can upgrade to OV3600 8.2.5.1 from any 8.0 release.
DE30510 DE28933 DE30282	**Symptom:** Font resolution in DWG files differs after upgrading to OV3600 8.2.3.1 or later. **Scenario:** This VisualRF issue has been previously resolved in OV3600 8.2.5.1.

Table 4: *Issues Resolved in OV3600 8.2.7 (Continued)*

ID	Description
DE30481	**Symptom:** The hostname for an IAP changed to a MAC address after rebooting the device in the IGC. **Scenario:** This issue has been fixed, and the hostname displays correctly.
DE30446	**Symptom:** Unable to audit the device when password configuration control is enabled for the Alcatel-Lucent 2930F switch. **Scenario:** This issue has been fixed, and OV3600 can audit the switch.
DE30069	**Symptom:** Inventory report showed inconsistent data. **Scenario:** We fixed the issue caused by OV3600 looking for the Aruba thin AP's instead of the hardcoded vendor name.
DE29304	**Symptom:** Error message seen in OV3600 boot log after every reboot. **Scenario:** We fixed the Perl library path that generated the boot error message.
DE29257	**Symptom:** OV3600 automatically logged out after you logged in using Internet Explorer 11. **Scenario:** We fixed the token mismatch error that caused this issue OV3600 8.2.2.x, 8.2.3.x, and 8.2.4. **NOTE:** After upgrading to OV3600 8.2.7, delete the cookies and clear the cache in Internet Explorer 11.
DE28643	**Symptom:** WebUI crashes while navigating to **Report> Definition** page when the timezone on the OV3600 server is set to the time in São Paolo, Brazil. **Scenario:** We fixed this issue by updating the time zone library.
DE28542	**Symptom:** Incorrect timestamp shown in the client diagnostics graph. **Scenario:** The graph will use UTC time zone, depending on the user's time zone settings.
DE28432	**Symptom:** Network usage reports show graphs but also say "No Data to Report" at the bottom of the page, so OV3600 doesn't send the reports by email as it should. **Scenario:** This issue has been fixed in this release.
DE28297	**Symptom:** OV3600 cached 100 GB of work_queue_clobber data, and disk space filled up every 2 days even after clearing all the logs and older backups. **Scenario:** We fixed this issue by making some changes to the AppRF tables.
DE28201	**Symptom:** Channel overlay option doesn't show the "show overlapping areas" option. **Scenario:** The overlay option doesn't work with 80 Mhz channel width and Channel 52 to 64, or when you select all channels. You can workaround this issue by upgrading to OV3600 8.2.6.1.
DE27631	**Symptom:** Sometimes auto-match times out in the WebUI. **Scenario:** Now OV3600 shows a UI notification when restore and auto-match are in progress.

Table 5: *Issues Resolved in OV3600 8.2.6.1*

ID	Description
DE30997	**Symptom**: An IAP could be managed locally and through the IGC at the same time. **Scenario**: This issue has been fixed, and the IGC displays a mismatch if local changes are made.
DE30982	**Symptom**: IAPs and factory-set IAPs shipped with AOS-W 8.3.0.0 or later don't contain the country codes for US and the US territories (AS, FM, GU, MH, MP, PR, US, and VI). **Scenario**: To set these country codes on IAPs running AOS-W 8.3.0.0 or later: 1. Enable **IGC > OV3600 > OV3600 Setting > Allow Configuration of Country Code**. 2. Set the country codes on **IGC > System > General > Country Code**.
DE30903	**Symptom**: The OV3600 SNMP MIB file wasn't current. **Scenario**: We updated the SNMPv1 MIBs to continue supporting SNMPv1 traps.
DE30821	**Symptom**: During a vulnerability scan, we found that OV3600 8.2.6.1 supported weak algorithms. **Scenario**: OV3600 now requires strong ciphers for the SSH daemon (sshd) and not for the outbound SSH traffic.
DE30797	**Symptom**: After upgrading the firmware on the Switch to AOS-W 8.2.0.2, geographic settings used with Google Maps were missing from the **APs/Devices > Manage** page. **Scenario**: We added **Latitude**, **Longitude**, and **Altitude** options to the Settings section of the **APs/Devices > Manage** page. To enter the information: 1. Navigate to **APs/Devices > List** , then right click the device and select **Manage** from the shortcut menu to access the Management page. 2. Enter your coordinates. 3. Click **Save and Apply**.
DE30724	**Symptom**: Unable to edit and save external captive portal settings for IAP from the Instant GUI Config if you used a space in the new profile name. **Scenario**: OV3600 now allows spaces in external captive portal profile names.
DE30707	**Symptom**: The network edge was missing in the topology map after a web socket update. **Scenario**: Topology gets the latest network status and no longer shows a down device without a link, appearing as standalone devices in the topology map.
DE30703	**Symptom**: Time zone changes weren't updated in the /etc/sysconfig/clock file. **Scenario**: Now, when OV3600 updates the local time zone (for example, during a software upgrade), it updates the time zone in the /etc/sysconfig/clock file.
DE30673	**Symptom**: RF health report shows PHY and MAC errors as greater than 100%. **Scenario**: We've changed the way OV3600 interprets PHY and MAC errors sent and received on the channel.
DE30666	**Symptom**: Unable to delete an SSID profile from a VC in a group of VCs. **Scenario**: You can override the SSID profile to hide or disable the VC.

Table 5: *Issues Resolved in OV3600 8.2.6.1 (Continued)*

ID	Description
DE30653 DE30557	**Symptom**: OV3600 shows two 5 gHZ interfaces. **Scenario**: OV3600 now supports the Cisco 2802 AP.
DE30646 DE30512	**Symptom**: Topology page doesn't load the topology map when you log into the OV3600 WebUI with a host name. **Scenario**: We fixed the underlying issue of multiple cookies that prevented OV3600 from loading the topology map.
DE35816	**Symptom**: Error message "Failed to enable 'Prefer AMPN vs SNMP Polling' since its Telnet/SSH credentials are empty" appear in Event logs. **Scenario**: OV3600 doesn't check for empty ssh credentials when the **use_amon_vs_snmp** option is disabled.
DE30422	**Symptom**: Unable to get most of the report summary while using API by latest_report.xml. **Scenario**: We added summary XML to the client session report in the latest_report.xml.
DE30386	**Symptom**: Automated backup transfer didn't work when the external server is a Windows server. **Scenario**: We fixed the automated backup transfer to work with Solarwinds SFTP Server.
DE30362	**Symptom**: Graphs behaved strangely when you selected Nov 5, which is the change over date to Daylight Savings Time (DST). **Scenario**: We prevented OV3600 from automatically adjusting time for change to DST.
DE30308	**Symptom**: In OmniVista 3600 Air Manager 8.2.5.1, when you selected the "Client Association" or "Client Neighbors" relation line options, VisualRF didn't display them in your floor plan view. **Scenario**: We fixed the way VisualRF receives and processes neighbor RSSI values from an AMON message. Now you can see these relation lines when you customize your floor plan with these options.
DE30262	**Symptom**: After replacing hardware on an AP, OV3600 retained the old controller ID. **Scenario**: OV3600 now updates the controller ID for the new hardware.
DE28190	**Symptom**: Graph lines were horizontal, and the Service Watcher log showed that processes reached memory limits and tried to restart. **Scenario**: When the host name for an OV3600 server can't be resolved in DNS, OV3600 will restart the RabbitMQ server.

Table 6: *Issues Resolved in OV3600 8.2.6*

ID	Description
DE30706	**Symptom**: Full config push didn't take the IPv6 address of the OV3600 server. **Scenario**: OV3600 supports only full config, config jobs, and ZTP for IPv6 addresses.
DE30621	**Symptom**: Unable to add planned APs to floor plan when you set the service level to signal. **Scenario**: Now when you click **Add APs to Floor Plan**, VisualRF adds the APs to the floor plan.

Table 6: *Issues Resolved in OV3600 8.2.6 (Continued)*

ID	Description
DE30590	**Symptom**: Unable to configure captive portal to use an external CP using authenticated text in Instant config page. **Scenario**: You can successfully create an SSID from the Instant GUI Config without an authentication server.
DE30542	**Symptom**: The OV3600 8.2.5.1 release notes stated incorrectly that you could upgrade directly from OV3600 8.0 to 8.2.5.1. **Scenario**: The following correction was made to the OV3600 8.2.5.1 Release Notes: You can upgrade directly to OV3600 8.2.5.1 from the following software versions: OV3600 8.2.2, 8.2.2.1, 8.2.3, 8.2.3.1, 8.2.4, 8.2.4.1, and 8.2.5. If you are running earlier versions of OV3600, upgrade to OV3600 8.2.2 before upgrading to 8.2.5.1.
DE30540	**Symptom**: The User Role field is blank for a Dot1x user connected to the switch although the user role is sent from the switch to the OV3600 server. **Scenario**: Now the role name for the Dot1x user displays in the Connected Devices table for the switch.
DE30537	**Symptom**: The header column doesn't move when you scroll through the Connected Clients section on the **APs/Devices > Monitor** page for a switch. **Scenario**: This issue has been fixed and is no longer seen in Chrome, IE, and Firefox browsers.
DE30531 DE30523	**Symptom**: Channel utilization, goodput, and radio channel display "no data available" on the **Radio Statistics** page for the AP after upgrading the 7220 controller from AOS-W 8.1.0.3 to 8.2.0.1. **Scenario**: We fixed the way OV3600 calculates channel utilizations and can get the radio information now.
DE30514 DE30351	**Symptom**: Unable to see the application-based access rules on Instant GUI of the OV3600 server, or push any configuration to the VC. **Scenario**: An issue with the Instant GUI Config CLI that prevented access rules mapped to roles from displaying properly or config pushes to work has been fixed.
DE30509	**Symptom**: Unable to see an AP when you go to the Instant GUI Config on an OV3600 server running OV3600 8.2.5.1. **Scenario**: APs display properly in the Instant GUI Config page.
DE30504	**Symptom**: Clarity Live shows only DNS even though it receives data. **Scenario**: We fixed this issue and see all information displayed properly in Clarity Live.
DE30495	**Symptom**: Master console shows incorrect counts for unique APs in summary report for network-wide client sessions. **Scenario**: Master Console shows the unique mac address aggregated from different OV3600 servers.
DE30465 DE30434	.**Symptom**: OV3600 continuously attempts to connect via SSH to the VSF switch regardless of configuration status, causing high CPU utilization. **Scenario**: This issue has been resolved.

Table 6: *Issues Resolved in OV3600 8.2.6 (Continued)*

ID	Description
DE30452	**Symptom**: Mismatches for transmit power due to sorting on OV3600 8.2.5.1. **Scenario**: This configuration mismatch issue has been resolved.
DE30418	**Symptom**: Flat Graph lines due to FastMmap cache size issue (topic: association_tables). **Scenario**: This graphing issue has been resolved.
DE30410	**Symptom**: OV3600 8.2.5 incorrectly shows overrides when there are none. **Scenario**: This issue has been fixed, and OV3600 doesn't show configuration overrides when none are present.
DE30392	**Symptom**: BSSID API doesn't work properly for Cisco APs after upgrading to OV3600 8.2.5. **Scenario**: OV3600 correctly shows radio data from the BSSID API for Cisco devices now.
DE30390	**Symptom**: Failover upgrade process from OV3600 8.2.2 to 8.2.5 hangs. **Scenario**: The failover upgrade process continues without stopping indefinitely at a configuration check.
DE30350 DE29633	**Symptom**: After changing the time zone to Australian Eastern Standard Time (AEST) from the CLI, the time zone name is displayed incorrectly in the WebUI as Eastern Standard Time (EST). **Scenario**: The time zone name has been corrected to display as AEST in the WebUI.
DE30503 DE30343	**Symptom**: Client connected list doesn't show in OV3600 for IAP 105 and IAP 205. **Scenario**: We fixed this issue by encoding the ALC payload, so client statistics populate correctly in OV3600.
DE30311	**Symptom**: After upgrading to OV3600 8.2.5, the same computer model icon is used for all device models in VisualRF. **Scenario**: The issue has been fixed and you can see correct icons for different device models in VisualRF.
DE30281	**Symptom**: Ambiguity in the license report in CSV format. **Scenario**: We've fixed the formatting of the "Total License Used" and "Campus License Used" columns so that you can read both the number and percentage of licenses in the CSV file.
DE30252	**Symptom**: Bulk edit configuration is not updating. **Scenario**: We removed the **save** option when you do a bulk edit in the Instant GUI Config, so your changes apply automatically.
DE30249	**Symptom**: The Argentina Time (ARST) in the WebUI is an hour ahead of the time shown on the hardware clock of the OV3600 server. **Scenario**: We fixed this issue by updating the time zone library.
DE30242	**Symptom**: Unable to change the "Authentication" option from "Authentication server" to "Internal," or from "Authentication Server w/fallback to Internal" to "Internal" using the Instant GUI Config. **Scenario**: Changing the configuration setting works properly now.

Table 6: *Issues Resolved in OV3600 8.2.6 (Continued)*

ID	Description
DE30213	**Symptom**: The campus background disappears if you open VisualRF on a mobile device. **Scenario**: We fixed the issue that caused the campus background to disappear.
DE30172	**Symptom**: OV3600 doesn't update the switch interface description after you add the switch. **Scenario**: The switch description displays correctly in the Physical Interfaces table now.
DE30163	**Symptom**: Nginx doesn't start up if you change the host name from the CLI. **Scenario**: The underlying issue with changes to the /etc/hosts file has been fixed.
DE30088	**Symptom**: Number of concurrent max clients is incorrect in the device summary report. **Scenario**: The number of concurrent max clients connected displays correctly now.
DE30060	**Symptom**: OV3600 unable to archive Cisco WLC device configuration. **Scenario**: OV3600 archives the configuration only when there is a change in desired configuration and during the attempt to push the configuration to the device.
DE29956	**Symptom**: Multiple alerts issued for the same rogue. **Scenario**: We've fixed the condition which would cause OV3600 to generate multiple alerts in email and NMS notifications for the same detected rogue.
DE28444	**Symptom**: The RAP wired clients' usage isn't seen in usage reports. **Scenario**: The issue with reports has been fixed, and RAPs with wired and wireless clients connected to them show client usage properly on the monitoring page and in the clients' detail pages.
DE28257	**Symptom**: OV3600 doesn't generate VisualRF down alerts. **Scenario**: The VisualRF down alert is now triggered when the VisualRF process shuts down.

This chapter identifies the known issues in OV3600 8.2.7, 8.2.6.1 and 8.2.6.

Table 7: *Known Issues in OV3600 8.2.7*

ID	Description
DE31554	**Symptom:** Config Job status is failed for the command that has an informative response from the device although the config command pushes successfully to the device. **Scenario:** This issue occurs when you go to the Device Config page, select Config Job and click **Add config Job**. **Workaround:**There is no workaround.
DE31544	**Symptom:** APs are incorrectly grouped on a floor plan if you replace a floorplan in PNG format with a floorplan in DWG format. **Scenario**: If you import a floor plan in DWG format, replacing a floor plan in PNG format, OV3600 can incorrectly place the APs in the newer floor plan on top of each other in the top left corner. **Workaround:** If the floor plan is not already unlocked, the unlock icon (🔒) to unlock the floor plan and manually click and drag the APs back to their correct locations on the floor plan.
DE31540	**Symptom:** Halon physical interfaces are listed as virtual interfaces. **Scenario:**. Discovered devices appear as expected in the topology map, but when you go to the Interface page, physical interfaces like 1/1/1 and 1/1/2 are listed under virtual interfaces instead of physical interfaces. **Workaround:** There is no workaround.
DE31486	**Symptom:** OV3600 fails to show neighbor details of Halon attributes in the neighbor table on the monitoring page for the Halon device. **Scenario:** OV3600 lists neighbors but doesn't provide the IP address or firmware version of neighbor as it does for the AOS-W-Switch. **Workaround:** There is no workaround.
DE31468	**Symptom:** The switch monitoring page displays the old monitor page after you add the device to OV3600. **Scenario:** OV3600 waits for the auto SNMP polling to finish before it displays the new monitoring page. **Workaround:** Wait for the "Poll now" operation to complete.
DE31180	**Symptom:** "show ipv6" command doesn't work for AOS-W-CX switches. **Scenario:** The result displays "Command incomplete". **Workaround:** There is no workaround.

Table 7: *Known Issues in OV3600 8.2.7 (Continued)*

ID	Description
DE31125	**Symptom:** Floor plan is blank after replacing the background in VisualRF. **Scenario:** This issue occurs when you select the "Replace Background" option for a floor plan in DWG format. After uploading the file, the floor plan is black. **Workaround:** There is no workaround.
DE31074	**Symptom:** Some menus in VisualRF haven't been localized. **Scenario:**When you change the language of the buttons, menus, and tabs to Spanish and open a floor plan in VisualRF, you'll see that "Replace Background" and "Add Planned Devices" display in English. **Workaround:** There is no workaround.
DE31029	**Symptom:** IP address isn't displayed in the Virtual Interfaces table for the VLANs configured on AOS-W-CX switch. **Scenario:** This issue occurs although the IP address is configured on default VLAN. **Workaround:** There is no workaround.
DE30984	**Symptom:** The Managed AMP Down trigger is not consistent with its definition in the AWAMP-MIB.my. **Scenario:** The trap contains awampFolderPath although it does not in the MIB definition, which can be a severe issue. **Workaround:** There is no workaround.
DE30584 DE23654	**Symptom:** 30 days after disabling VisualRF, heat maps won't display when you re-enable VisualRF. **Scenario:** VisualRF files and directory are deleted after 30 days **Workaround:** Manually create the VisualRF directory under /var/tmp.
DE30100	**Symptom:** When you add a Cisco Catalyst 3750 switch to OV3600, and the switch is down, an SNMP walk fails with "no response." **Scenario:** OV3600 doesn't support SNPv3 users with AES-256 encryption. **Workaround:** Change the encryption type to AES-128 on the switch.

DE27568	**Symptom:** OV3600 doesn't update the upstream device information for access points connected to Cisco switches when Cisco switches are polled when using SNMPv3.
	
	Scenario: Cisco has restricted access to the BRIDGE-MIB when using SNMPv3. When you access a Cisco switch using SNMPv3, APs connected to that switch may not be able to show upstream device info.
	
	Workaround: Add SNMPv3 bridge commands to the Cisco switches in order to expose VLAN values for the MIB polled by UDT. If there are devices on a switch, add the following command for each VLAN-#:
	`snmp-server group <GroupName> v3 priv context`
	
	You may need to append views to the command, as follows:
	`snmp-server group <GroupName> v3 priv context <VLAN-#> read <ViewName>`
	
	Use the **match prefix** parameter to expose all existing VLANs:
	
	● `snmp-server group <GroupName> v3 priv context vlan- match prefix`
	● `snmp-server group <GroupName> v3 priv context vlan- match prefix access`

Table 8: *Known Issues in OV3600 8.2.6.1*

ID	Description
DE30951	**Symptom**: Unable to create a VisualRF backup for export from the Network view. **Scenario**: This function doesn't work when you right-click on a campus from the Network view. **Workaround:** Navigate through the Network view to make your export selection from the building or floor plan views. To make a complete VisualRF backup that includes all campuses, select the entire network in the Export Floor Plans pop-up window.

Table 9: *Known Issues in OV3600 8.2.6*

ID	Description
DE30749	**Symptom**: STP blocking port information isn't available for HP trunk aggregated ports. **Scenario**: OV3600 isn't retrieving this information from the switch MIBs. **Workaround**: There is no workaround.
DE30716	**Symptom**: The `license` command doesn't handle an empty license or multiple licenses. **Scenario**: The Enter Commands > License option will crash if you have a trial system without a license, or if you have multiple licenses. **Workaround**: View licenses from the Web UI on the **Home > License** page.
DE30608	**Symptom**: Navigation from the Device Config pag back to the APs/Device List page is broken. **Scenario**: When you click the configuration hyperlink on the Device Config pag and then click **Back**, OV3600 should reopen the **APs/Device > List** page. **Workaround:** There is no workaround.
DE30582	**Symptom**: In VisualRF, IAPs organized in groups and folders under deployed APs don't appear in the deployed AP list. **Scenario**: This issue occurs for only IAPs. **Workaround**: Restart VisualRF.
DE30557	**Symptom**: The AP monitoring page for the Cisco 2802 AP displays 2-802.11ac radio interfaces. **Scenario**: Even though the user configures the dual band radio as 2.5GHz (local) role, OV3600 still shows it as 5 GHz (802.11ac). **Workaround**: There is no workaround.
DE30432	**Symptom**: The Topology WebUI doesn't load. **Scenario**: The Topology WebUI crashes when there is a duplicate node entry in the Topology API. **Workaround:** Restart services by going to the **System > Status** page, then click **Restart AMP** at the bottom of the page.
DE30357	**Symptom**: Seeing the default SSL certificate when trying to hit other AMP ports like 60001, which is used by Clarity Synthetic. **Scenario**: Adding SSL certificates doesn't apply to ports besides HTTPS port 443. **Workaround:** There is no workaround.

Table 9: *Known Issues in OV3600 8.2.6 (Continued)*

ID	Description
DE30293	**Symptom**: STP blocking port informoation isn't available for aggregated ports. **Scenario**: Topology doesn't provide the aggregated link in a spanning tree status. **Workaround:** There is no workaround.
DE30217	**Symptom**: You can add a device in OV3600 twice without OV3600 reporting a duplicate. **Scenario**: When you add a device with the category "Router/Switch," OV3600 doesn't retrieve the MAC address. **Workaround:** There is no workaround.
DE30204	**Symptom**: OV3600 installed on Hyper-V 2016 loses network connectivity often. **Scenario**: If you use the legacy network adapter for network settings, as the Installation Guide suggests, the network connection is lost even though there are no resource constraints on the server. **Workaround:** Use the default adapter instead of the legacy adapter for Hyper-V installs.
DE30136	**Symptom**: The monitoring page for Alcatel-Lucent 8320 switches doesn't display the IP address for ArubaOS-Switch neighbors in the Neighbor table. **Scenario**: This issue occurs for Alcatel-Lucent 8320 switches running AOS-W-CX XL.10.00.0001-72. **Workaround:** There is no workaround.
DE30129	**Symptom**: Restricted users can see all spanning tree nodes in the topology map. **Scenario**: Role-based access control permissions don't work when a user applies the spanning tree filter. However, the user cannot select or get any more information about the spanning tree for restricted devices. **Workaround:** There is no workaround.
DE30001	**Symptom**: OV3600 doesn't display spanning tree data for Alcatel-Lucent Switches and Alcatel-Lucent MAS switches. **Scenario**: Topology shows spanning tree data only for switches which support IEEE standard spanning tree MIBS. **Workaround:** There is no workaround.
DE29990	**Symptom**: OV3600 doesn't display neighbors of the Alcatel-Lucent 3630 Switch in the topology map. **Scenario**: This issue occurs because OV3600 doesn't poll LLDP MIBs for this Switch. **Workaround**: There is no workaround.
DE28412	**Symptom**: For Alcatel-Lucent 2930F switches running OV3600 8.2.4, you see the following configuration status: `Telnet/SSH Error:  Could not fetch config file; command timed-out` **Scenario**: This error occurs when the banner on the switch contains "#," or the host name on the switch contains a whitespace. **Workaround**: Your banner should not include a "#," and the host name should not include a whitespace.

Table 9: *Known Issues in OV3600 8.2.6 (Continued)*

ID	Description
DE27568	**Symptom**: Cisco switches with monitored with SNMPV3 don't show LLDP neighbors and don't display in the topology map. **Scenario:** This issue occurs because OV3600 doesn't poll LLDP MIBs for CISCO switches with SNMPV3 config. **Workaround:** Enable SNMPv3 for these devices as follows: 1. Go to **Groups > Basic**, then scroll down to "Cisco IOS/Catalyst" and select **3** for the "SNMP Version" option. 2. Scroll down to "Universal Devices, Routers and Switches," then select **3** for the "SNMP Version" option. 3. Poll the device.

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

- "Minimum Requirements" on page 43
- "Upgrade Instructions" on page 43
- "Upgrade from OV3600 8.2.3.1 or Earlier Versions" on page 43
- "Upgrade from OV3600 8.2.4 " on page 44
- "Manually Download the Software" on page 45

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 8.2.6 Server Sizing Guide*.

Upgrade Paths

Your upgrade procedure depends upon your current version of OV3600.

- **Direct upgrade path**: You can upgrade directly to OmniVista 3600 Air Manager 8.2.7 from the following software versions: 8.2.5, 8.2.5.1, 8.2.6 and 8.2.6.1.
- **Two-step upgrade path**: If you are running OV3600 8.2.4 or earlier releases, you must upgrade to OV3600 8.2.6 before performing the final upgrade to OmniVista 3600 Air Manager 8.2.7. If your OV3600 is running OV3600 8.2.3.1 or earlier versions, you must run the upgrade utility to upgrade to the interim release. If your OV3600 is running OV3600 8.2.4, you can use the AMP CLI to install the upgrade package

Upgrade from OV3600 8.2.3.1 or Earlier Versions

Upgrades from OV3600 8.2.3.1 or earlier releases require a two-step upgrade path, with an interim upgrade to OV3600 8.2.6 before the final upgrade to OmniVista 3600 Air Manager 8.2.7. If you upgrade from OV3600 8.2.3.1 or earlier, you will no longer have root user access to the Linux shell after the initial upgrade to OV3600 8.2.6, and your system will be converted to use the new AMP CLI. For information about using the OV3600 CLI, see the *OmniVista 3600 Air Manager 8.2.7 User Guide*.

Follow these steps to perform the initial upgrade from OV3600 8.2.3.1 or earlier to OV3600 8.2.6:

1. Log in to the OV3600 server as the root user.
2. Run the upgrade utility to upgrade to the interim release:

   ```
   #start_OV3600_upgrade -v 8.2.6
   ```

   The upgrade utility looks for the local upgrade package.

   After the download completes, the following message appears while the software compiles:

   ```
   Validating the upgrade package...
   Upgrade package is OK.
   Using upgrade script extracted from local package.
   Upgrade package found in local cache.
   ```

   If the software is not available, manually download the software and then perform this step again.
3. After the OV3600 services restart, OV3600 configures the AMP CLI while creating the recover user account.

4. Enter the new ampadmin password. If you don't enter a user name, OV3600 uses the default "ampadmin".

5. After setting the password, you will see the following message:

```
Your system has been converted to use AMPCLI. You may now
log in as ampadmin. If you lose the password for ampadmin you
may log in as amprecovery (password recovery) on the console to reset
the ampadmin password.
```

> **NOTE**
> After the upgrade completes, the FIPs-enabled state carries forward. You might want to reapply the STIGs for newer STIGs hardening to be applied.

6. Finally, remove any OS user accounts to prevent unauthorized access.

7. Follow the steps described in "Upgrade from OV3600 8.2.5 or Later" on page 44 to complete the final upgrade to OmniVista 3600 Air Manager 8.2.7.

Upgrade from OV3600 8.2.4

Upgrades from OV3600 8.2.4 require a two-step upgrade path, with an interim upgrade to OV3600 8.2.6 before the final upgrade to OmniVista 3600 Air Manager 8.2.7. However, unlike older versions of AirWave, upgrades from OV3600 8.2.4 can use the AMP CLI to install the 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 username by backing up the server, reinstalling the software, and restoring from the backup. For information about setting up the amprecovery account, refer to the *OV3600 8.2.7 Installation Guide*.

Follow these steps to upgrade from OV3600 8.2.4:

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 **7** to select Upgrade.
   a. At the next prompt, enter **1** to select Upgrade OV3600 Management Platform.
   b. Enter **8.2.6**.
   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 d on page 44 to download the software. At the next prompt:
      (1) Enter the server address and port number (for example, *test.proxy.com* and port *22*).
      (2) 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.

3. Follow the steps described in "Upgrade from OV3600 8.2.5 or Later" on page 44 to complete the final upgrade to OmniVista 3600 Air Manager 8.2.7.

Upgrade from OV3600 8.2.5 or Later

Use the AMP CLI to install the OmniVista 3600 Air Manager 8.2.7 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 username by backing up the server, reinstalling the software, and restoring from the backup. For information about setting up the amprecovery account, refer to the *OV3600 8.2.7 Installation Guide*.

Follow these steps to upgrade from OV3600 8.2.5 or later:

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 **7** to select Upgrade.

    a. At the next prompt, enter **1** to select Upgrade OV3600 Management Platform.

    b. Enter **8.2.7**.

    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:

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

        (2) 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.

Upgrading the Kernel OS

After the upgrade completes, you might see the following message:

```
Updated kernel packages that fix various security issues are now available for your OS. To
upgrade, select "Upgrade" menu item on the AMPCLI Menu,
and then choose "Upgrade OS Kernel" menu item.
```

To run the kernel upgrade:

1. Log in to the AMP CLI as the ampadmin.

2. Select **7** to open the Upgrade menu, then select **2** to run the kernel upgrade. A system reboot is required to complete the kernel upgrade.

Manually Download the Software

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

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

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

5. Upload the file. The procedure to upload the file varies, depending upon the version of OV3600 currently on your server.

    ▪ If you are upgrading from OV3600 8.2.3.1 or earlier, copy the file to the OV3600 server's **/root** directory using an SCP file transfer application.

    ▪ If you are upgrading from OV3600 8.2.4 or 8.2.6:

        (1) Log in to the AirWave 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) At the prompt, enter 1 to upload the file from the source location to the AMP server using SCP to transfer the file.

        (3) At the prompt, enter the location of the source file (for example, user@host:path. User is the name of the account on the host computer, host is the hostname of the computer on which the source file exists, and path is the location of the directory that contains the upgrade package)

        (4) At the prompt, enter the password of the source location.

    ▪ If you are upgrading from OV3600 8.2.6.1 or later, you must define a user that can transfer OV3600 images, and then upload the software, as described in the following steps.:

(1) 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.

(1) enter **8** to open the **Advanced** menu options.

(2) Enter **7** to add a file transfer user.

(3) Enter a user name for the file transfer user, then click **Enter**. The username 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 username **awsftp**, click **Enter** without entering a username.

(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) Enter **1** to upload the file from the source location to the AMP server using SCP to transfer the file.

(7) At the prompt, enter the location of the source file (for example, *user@host:path*. User is the name of the account on the host computer, host is the hostname of the computer on which the source file exists, and path is the location of the directory that contains the upgrade package.

(8) At the prompt, enter the password on the source location.