

Monitoring Aruba Central

Aruba Central PowerPack version 101, rev.1

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Chapter

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Introduction

Overview

This manual describes how to monitor Aruba Central in SL1 using the Aruba Central PowerPack.

The following sections provide an overview of Aruba Central and the Aruba Central PowerPack:

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What is Aruba Central?

Aruba Central is a cloud-based platform that provides management tools and built-in analytics for Aruba Instant Access Points (IAPs), switches, and gateways. In each Aruba network, one IAP acts as a virtual controller, which is a single configuration and management point for the network.

What Does the Aruba Central PowerPack Monitor?

To monitor Aruba Central using SL1, you must install the Aruba Central PowerPack. This PowerPack enables you to discover, model, and collect data about Aruba Central virtual controllers and their components.

The Aruba Central PowerPack includes:

- Dynamic Applications to discover and monitor Aruba Central virtual controllers and their component devices
- Device Classes for each of the Aruba Central components that the Aruba Central PowerPack can monitor
- Event Policies that are triggered when Aruba Central component devices meet certain status criteria
- A sample SOAP/XML Credential that you can use to create your own Aruba Central Credential
- A Device Template that aligns Dynamic Applications to the Aruba Central virtual controller and enables you to discover component devices for that virtual controller
- Device Dashboards that display information about Aruba Central component devices

Installing the Aruba Central PowerPack

Before completing the steps in this manual, you must import and install the latest version of the Aruba Central PowerPack.

TIP: By default, installing a new version of a PowerPack overwrites all content from a previous version of that PowerPack that has already been installed on the target system. You can use the *Enable Selective PowerPack Field Protection* setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent new PowerPacks from overwriting local changes for some commonly customized fields. (For more information, see the *System Administration* manual.)

To download and install a PowerPack:

- 1. Download the PowerPack from the ScienceLogic Support Site.
- 2. Go to the PowerPack Manager page (System > Manage > PowerPacks).
- 3. In the PowerPack Manager page, click the [Actions] button, then select Import PowerPack.
- 4. The **Import PowerPack** dialog box appears:

Import PowerPack™		×
Browse for file	Browse	
License:		
	Import	

- 5. Click the [Browse] button and navigate to the PowerPack file.
- 6. When the **PowerPack Installer** modal appears, click the **[Install]** button to install the PowerPack.

NOTE: If you exit the **PowerPack Installer** modal without installing the imported PowerPack, the imported PowerPack will not appear in the **PowerPack Manager** page. However, the imported PowerPack will appear in the **Imported PowerPacks** modal. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

To ensure accurate data collection after upgrading PowerPack, perform the additional steps:

- 1. Go to the **Credential Management** page (System > Manage > Credentials). Identify your current credential and click on the credential's name to edit. Add the following HTTP headers:
 - login_url=<url login>
 - auth_url=<authorization url>
 - token_url=<token url>
 - grant_type=authorization_code
 - rest_api=aruba

NOTE: Recommended values for these fields can be found in the **Configuring Aruba Central Credentials** section.

- 2. Add SSLCERT Curl Option and set the value as False.
- 3. Change the Setting Client Secret Key from Embed Value [%3] to Embedded Password [%P].
- 4. Set a page size between 1 and 1000 for the Embed Value [%3] field and click [Save].
- 5. Go to the **Device Manager** page (Devices > Device Manager). Identify the Aruba Central virtual root device and click the **Device Properties** icon.
- 6. In the Collections tab, select the Actions menu and click the [Add Dynamic Application] button.
- 7. Select the "REST: Performance Metrics Monitor (Aruba Central)" Dynamic Application with the current credential and click [Save]. To avoid seeing data collected on the old "REST: Performance Metrics Monitor" Dynamic Application report, disable the Dynamic Application's collection entirely. This allows only the new REST Dynamic Application to collect data. To disable the collection for the old Dynamic Application:
 - Check the "REST: Performance Metrics Monitor" Dynamic Application and select **Disable All Collection Objects** from the **Action** menu.
 - Click the **[Go]** button. You can also choose **Stop Collecting and Remove Data** to cease the collection of historical data.

NOTE: Confirm there are no spaces in the following header name: Content-Type:application/json

Chapter

2

Configuration and Discovery

Overview

The following sections describe how to configure and discover Aruba Central virtual controllers for monitoring by SL1 using the Aruba Central PowerPack:

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Prerequisites for Monitoring Aruba Central

Before you can monitor Aruba Central virtual controllers and their component devices using the Aruba Central PowerPack, you must first have the following information:

- Aruba Central username and password
- Aruba Central customer ID
- Aruba Central client ID
- Aruba Central client secret key

You can request these items by registering with Aruba Technical Support.

Configuring Aruba Central Credentials

To configure SL1 to monitor Aruba Central devices, you must first create a SOAP/XML credential. This credential allows the Dynamic Applications in the *Aruba* Central PowerPack to use your Aruba Central user account to retrieve information from the Aruba Central virtual controller and component devices.

The PowerPack includes an example SOAP/XML credential (**Aruba Central Example**) that you can edit for your own use.

To configure a SOAP/XML credential to access Aruba Central:

- 1. Go to the Credential Management page (System > Manage > Credentials).
- 2. Locate the Aruba Central Example credential, and then click its wrench icon (*P*). The Edit SOAP/XML Credential modal page appears:

Credential Editor [88]		×
Edit SOAP/XML Credential #88		New Reset
URL [http(s)://Host:Port/Path 1 G https://eu-apigw.central.arubanetworks.c HTTP Auth User	Content Encoding Method HTTP Version text/xml] [POST] [HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (HTTP/1.1] (Example 1) (HTTP/1.1] (HTTP/1.1]	Soap Options Embedded Password [%P] Embed Value [%1] Embed Value [%2] [022c7bfc70b64c1da135] [854HjT6OpISOa7nqM1] Embed Value [%3] Embed Value [%4] [100
Proxy Settings Hostname/IP	Port User Password	HTTP Headers + Add a header (%oauth2=Authorization:Bearer
CURL Options CAINFO CAPATH CLOSEPOLICY CONNECTTIMEOUT COOKIE COOKIELIST COCKIEJAR COOKIELIST CRLF CUSTOMREQUEST DNSCACHETIMEOUT	SSLCERT False	Content-Type:application/json
	Save Save As	

3. Complete the following fields:

Basic Settings

- Profile Name. Type a new name for the Aruba Central credential.
- URL. Type your Aruba Central URL.
- HTTP Auth User. Type your Aruba Central username email address.
- HTTP Auth Password. Type your Aruba Central password.
- Timeout. Type a value of at least 5.

NOTE: ScienceLogic recommends setting the *Timeout* field to at least 5 seconds to account for the Aruba Central API being slow to respond. If collection fails, try increasing the timeout.

SOAP Options

- Embedded Password [%P]. Type your Aruba Central client secret key.
- Embed Value [%1]. Type your Aruba Central customer ID.
- Embed Value [%2]. Type your Aruba Central client ID.
- Embed Value [%3]. Type the page size for pagination between 1 and 1000.

NOTE: ScienceLogic recommends setting the *Embed Value [%3*] field to a value close to 1,000 for large Aruba Central systems and only lowering this value if you see SIGTERMs. Aruba Central deployments of more than 5,000 devices need a dedicated collector.

HTTP Headers

- %oauth2=Authorization:Bearer
- Content-Type:application/json
- login_url=oauth2/authorize/central/api/login
- auth_url=oauth2/authorize/central/api
- token_url=oauth2/token
- grant_type=authorization_code
- rest_api=aruba

NOTE: The %oauth2, Content-Type, grant_type and rest_api are static headers required in Aruba Central. The login_url and auth_url headers are used to obtain a code in Aruba; a token is generated with the ULR of the token_url header.

- 4. For the remaining fields, use the default values.
- 5. Click the **[Save As]** button.

Discovering Aruba Central Devices

To discover and monitor your Aruba Central virtual controller, you must do the following:

- Create a virtual device representing the virtual controller
- Configure the Aruba Central device template that is included in the Aruba Central PowerPack
- Align the device template to the Aruba Central virtual device

Each of these steps is documented in the following sections.

Creating an Aruba Central Virtual Device

Because the Aruba Central virtual controller does not have a static IP address, you cannot discover an Aruba Central device by running a discovery session. Instead, you must create a **virtual device** that represents the Aruba Central virtual controller. A virtual device is a user-defined container that represents a device or service that cannot be discovered by SL1. You can use the virtual device to store information gathered by policies or Dynamic Applications.

To create a virtual device that represents your Aruba Central virtual controller:

- 1. Go to the **Device Manager** page (Devices > Device Manager, or Registry > Devices > Device Manager in the SL1 classic user interface).
- 2. Click the **[Actions]** button and select Create Virtual Device from the menu. The **Virtual Device** modal page appears:

Virtual Device		×
Create Virtual Device		Reset
Device Name		
Organization	Arube_Central.org	•
Device Class	HPE Aruba Central Controller	•
Collector	CUG1	T
	Add	

- 3. Complete the following fields:
 - Device Name. Type a name for the device.
 - **Organization**. Select the organization for this device. The organization you associate with the device limits the users that will be able to view and edit the device. Typically, only members of the organization will be able to view and edit the device.
 - Device Class. Select HPE Aruba | Central Controller.
 - Collector. Select the collector group that will monitor the device.
- 4. Click **[Add]** to create the virtual device.

Configuring the Aruba Central Device Template

A **device template** allows you to save a device configuration and apply it to multiple devices. The *Aruba Central* PowerPack includes the "Aruba Central Template," which enables SL1 to align all of the necessary Dynamic Applications to the virtual controller root component device.

Before you can use the "Aruba Central Template", you must configure the template so that each Dynamic Application in the template aligns with the **credential you created earlier**.

To configure the Aruba Central device template:

- 1. Go to the **Configuration Templates** page (Devices > Templates, or Registry > Devices > Templates in the SL1 classic user interface).
- 2. Locate the "Aruba Central Template" and click its wrench icon (*P*). The **Device Template Editor** modal page appears.
- 3. Click the [Dyn Apps] tab. The Editing Dynamic Application Subtemplates page appears:

Device Template Editor Click [Save] to c	ommit changes Edit	ing Dynamic Applicat	ion Subtemplates (Cli	ick field labels to enable/	/disable them)	New	Reset
Templa	te Name Aruba Centr	al Template					
Config Interface	CV Policies	Port Policies	Svc Policies	Proc Policies	Dyn Apps	Lo	gs
Subtemplate Selection 1. App: Aruba: Central AP Container I of 2. App: Aruba: Central SD-WAN Gate of	All devices (align ne	on Behavior		c Application With			~
App: Aruba: Central Switch Container App: Aruba: Central Notifications App: Aruba: Central Notifications App: Aruba: Central Component Container App: REST: Performance Metrics I oner	Dynamic Applicatio	n Settings Container Discovery	Dynamic	c Application			~
💠 Add New Dynamic App Sub-Template			dentials		-	Poll Rate	
	Aruba Central Exar	nple	Dynamic Application	Presentation Object(s)	Every 1 Minute		~
		Component Central APs Container	Enabled V Enabled V				
	Dynamic Applicatio Raw Data F			<u> </u>	5 days		
		Save	Save As				

- 4. In the **Credentials** drop-down list, select the credential that you created for Aruba Central.
- 5. Click the next Dynamic Application listed in the **Subtemplate Selection** section on the left side of the page and then select the credential you created in the **Credentials** field.
- 6. Repeat step 5 until you have selected your Aruba Central credential in the **Credentials** field for all of the Dynamic Applications listed in the **Subtemplate Selection** section.
- 7. Click [Save].

NOTE: To maintain a "clean" version of the template, type a new name in the **Template Name** field and then click **[Save As]** instead of **[Save]**.

Aligning the Device Template to Your Aruba Central Virtual Device

After you have configured the Aruba Central device template so that each Dynamic Application in the template aligns with your Aruba Central credential, you can use that template to align the Dynamic Applications to the virtual device that you created to act as the root device for your Aruba Central virtual controller. When you do so, SL1 discovers and models all of the components in your Aruba Central virtual controller.

To align the Aruba Central device template to the Aruba Central virtual device:

- 1. Go to the **Device Manager** page (Registry > Devices > Device Manager).
- 2. On the **Device Manager** page, select the checkbox for the Aruba Central virtual device.
- 3. In the **Select Action** field, in the lower right corner of the page, select the option MODIFY by Template and then click the **[Go]** button. The **Device Template Editor** page appears.
- 4. In the Template drop-down list, select your Aruba Central device template.
- 5. Click the **[Apply]** button, and then click **[Confirm]** to align the Dynamic Applications to the root component device.

Viewing Aruba Central Component Devices

In addition to the **Devices** page, you can view your Aruba Central devices in the following places in the user interface:

- The **Device Investigator** Map page (click **Map** in the **Device Investigator** page) displays a map of a particular device and all of the devices with which it has parent-child relationships. Double-clicking any of the listed devices reloads the page to make the selected device the primary device.
- The Device Components page (Devices > Device Components) displays a list of all root devices and
 component devices discovered by SL1. The Device Components page displays all root devices and
 component devices in an indented view, so you can easily view the hierarchy and relationships between
 child devices, parent devices, and root devices. To view the component devices associated with an Aruba
 Central device, find the device and click its plus icon (+).
- The Component Map page (Classic Maps > Device Maps > Components) allows you to view devices by
 root node and view the relationships between root nodes, parent components, and child components in a
 map. This makes it easy to visualize and manage root nodes and their components. SL1 automatically
 updates the Component Map as new component devices are discovered. The platform also updates each
 map with the latest status and event information. To view the map for an Aruba Central device, go to the
 Component Map page and select the map from the list in the left NavBar. To learn more about the
 Component Map page, see the Views manual.

Viewing Aruba Central Component Devices in the SL1 Classic User Interface

In addition to the **Device Manager** page (Registry > Devices > Device Manager), you can view Aruba Central virtual controllers and all associated component devices in the following places in the user interface:

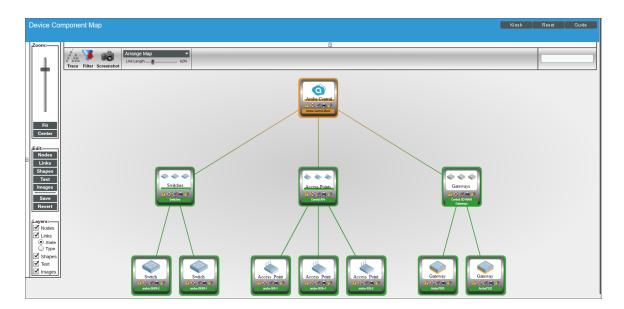
• The **Device View** modal page (click the bar-graph icon [**111**]] for a device, then click the **Topology** tab) displays a map of a particular device and all of the devices with which it has parent-child relationships. Double-clicking any of the devices listed reloads the page to make the selected device the primary device:



• The **Device Components** page (Registry > Devices > Device Components) displays a list of all root devices and component devices discovered by SL1 in an indented view, so you can easily view the hierarchy and relationships between child devices, parent devices, and root devices. To view the component devices associated with Aruba Central, find the Aruba Central root device and click its plus icon (+):

/ice	e Co	mpo	nents Devices Found [1]									Actions R	eset G	Guide
	_		Device Name •	IP Addres	8	Device Category	Device Class Sub-class		Organization	Current State ≻=Health ▼	Collection Group	Collection State		6
_	9.1	Arut	oa Central Mock	•	Vir	tual H	IPE Aruba Central Controller	15 .	Aruba Central Organization		CUG1	Active	🖶 🗮 🗞 🔅	3
		_	Device Name •	IP.Ad	dress	Device Category	Device Class Sub-class	DID	Organization	Current State	Collection Group	Collection State	_	P
	1. –	e 1	Central APs			Access Point	HPE Aruba AP Container	17	Aruba Central Organization	>=Health: ▼	CUG1	Active	11	8
			Device Name •		P Address	Device Categor	Device Class Sub-class		Organization	Current State >=Health ▼	Collection Group	Collection State		Z
		1.	🥕 📶 aruba-303h-1	۳		Access Po	int HPE Aruba AP-303H	22	Aruba Central Organization	Healthy	CUG1	Active	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		2.	🤌 🚮 aruba-305-1			Access Po	int HPE Aruba IAP-305	20	Aruba Central Organization	🛦 Healthy	CUG1	Active	🗃 🎝 🗞 🙇	
		3.	🥕 🞢 aruba-305-2			Access Po	int HPE Aruba IAP-305	24	Aruba Central Organization	🛦 Healthy	CUG1	Active	19 19 10 <u>28</u>	
1	2. –	<i>8</i> 11	Central SD-WAN Gateways	۳		Gateway	HPE Aruba SD-WAN Gateway Conta	ainer 18	Aruba Central Organization	🛦 Healthy	CUG1	Active	📾 👯 🗞 😹	
			Device Name •		P Address	Device Category	/ Device Class Sub-class	DID	Organization	Current State >=Health ▼	Collection Group	Collection State	1	P
		1.	👉 🞢 Aruba7005			Gateway	HPE Aruba 7005	23	Aruba Central Organization	A Healthy	CUG1	Active	10 1 0 1	
		2.	🥜 🞢 Aruba7220	۳		Gateway	HPE Aruba 7220	25	Aruba Central Organization	A Healthy	CUG1	Active	19 1 9 18 <u>18</u>	C
:	3. —	e al	Switches			Switches	HPE Aruba Switch Container	16	Aruba Central Organization	A Healthy	CUG1	Active	🖶 🗱 🗞 😹	6
			Device Name •	<u>I</u>	P Address	Device Categor	/ Device Class Sub-class	DID	Organization	Current State ≻=Health ▼	Collection Group	Collection State	1	Ø
		1.	🥕 📶 aruba-2930f-1			Switches	HPE Aruba 2930F Series	21	Aruba Central Organization	A Healthy	CUG1	Active		c

The Device Component Map page (Classic Maps > Device Maps > Components) allows you to view devices by root node and view the relationships between root nodes, parent components, and child components in a map. This makes it easy to visualize and manage root nodes and their components. SL1 automatically updates the Component Map as new component devices are discovered. The platform also updates each map with the latest status and event information. To view the map for Aruba Central devices, go to the Component Map page and select the map from the list in the left NavBar. To learn more about the Component Map page, see the Views manual.



Chapter



Dashboards

Overview

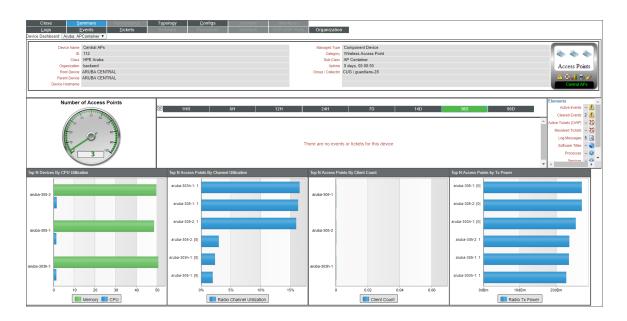
The following sections describe the device dashboards that are included in the Aruba Central PowerPack:

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Aruba: Gateway Container	
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Device Dashboards

The Aruba Central PowerPack includes device dashboards that provide summary information for Aruba Central component devices. Each of the device dashboards in the Aruba Central PowerPack is set as the default device dashboard for the equivalent device class.

Aruba: AP Container



The Aruba: AP Container dashboard displays the following information:

- The basic information about the device
- The total number of access points
- A list of active events and open tickets associated with the device
- A count of, and links to, the elements associated with the device
- Four instances of the Leaderboard/Top-N Widget that display the top access points based on the following metrics:
 - CPU/memory utilization
 - ° Channel utilization
 - ° Client count
 - Transmit power

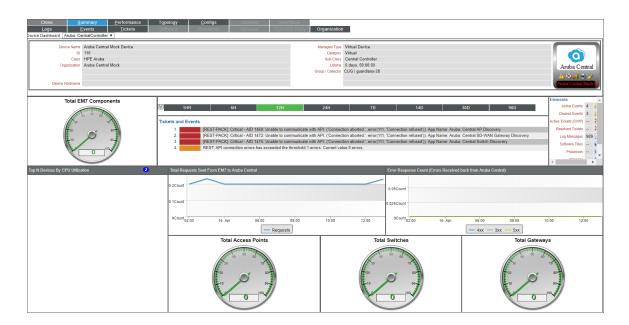
Aruba: AP

Close Summary Performance Topx Logs Events Lickets Some Device Dashboard (Aruba APDashboard ▼) Interference Some	ology <u>Configs</u> <u>Suburbals</u> <u>Interfaces</u> wate Processes Services TCPUCOP Port Organization	
Device New andrea 300-1 D 114 Class HPE Andrea Organization backend Root Device ARUBA CENTRAL Pieret Device Gentral APs Device Hothame	Managet Type: Composed Device Catagory, Wardiss Access Part Sub-Cata: AP-303H Uummi o dany, 60 60 00 Oroog/Cottect: CUG I geardian-28	Access Point A Statistic reduction
22% 25% 0% 16 00 22 ² 00 15 Apr 10 00 CPU Utitization — Memory Utitization	11HR 6H 12H 24H 7D There are no events or tickets for this device	14D 38D 55D
Radio Channel Transmit Power		
Radio Channes Hanshill Power	Radio Channel Utilization [0] (%) (Last 30 days)	Radio Tx Power [0] (dBm) (Last 30 days)
	Rado Channel Ulification [0](%) (Last 30 days) 4% 35% 35% 35%	Radio Tx Power (U) (dBm) (Last 30 days) 27/88m 28 7540m 26 5560m
	45	2768m 28.7568m
	4% 35% 25% 2%	27.05m 28.75dbm 28.52dbm 29.25dbm 25.55dbm 25.55dbm 25.55dbm

The **Aruba**: **AP** dashboard displays the following information:

- The basic information about the device
- The device's CPU and memory utilization vitals
- A list of active events and open tickets associated with the device
- The total number of AP clients
- Three instances of the Multi-series Performance Widget that display the following metrics trended over the specified period of time:
 - ° Radio channel transmit power
 - ° Radio channel utilization
 - ° Radio transmit power

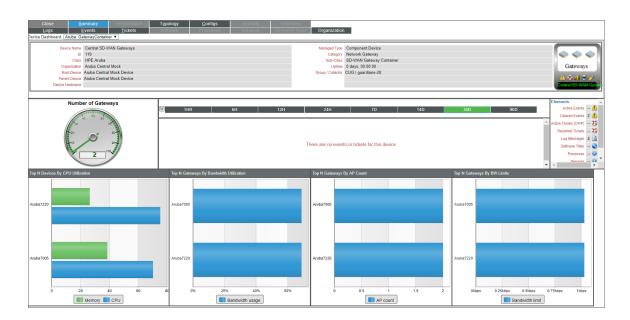
Aruba: Central Controller



The Aruba: Central Controller dashboard displays the following information:

- The basic information about the device
- A list of active events and open tickets associated with the device
- A count of, and links to, the elements associated with the device
- Four instances of the Gauge Widget that display the following metrics trended over the specified period of time:
 - ° Total SL1 components
 - ° Total access points
 - ° Total switches
 - Total gateways
- The top devices by CPU utilization over the specified period of time
- The total requests sent from SL1 to Aruba Central over the specified period of time
- The errors received back from Aruba Central over the specified period of time

Aruba: Gateway Container



The Aruba: Gateway Container dashboard displays the following information:

- The basic information about the device
- The total number of gateways
- A list of active events and open tickets associated with the device
- A count of, and links to, the elements associated with the device
- Four instances of the Leaderboard/Top-N Widget that display the top gateways based on the following metrics:
 - CPU/memory utilization
 - Bandwidth utilization
 - ° AP count
 - ° Bandwidth limit

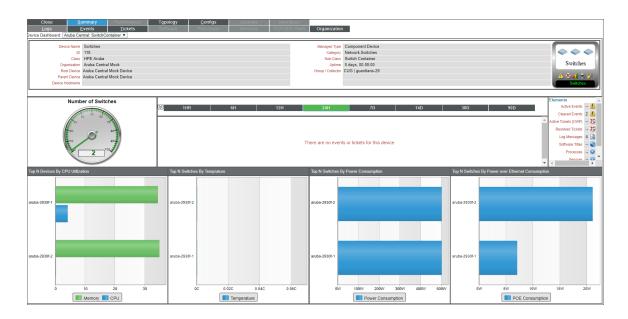
Aruba: Gateway

Close Summary Performance Tgpolo Logs Events Tickets Softwar Device Dashboard: Aruba Central: Gateway • • •	gy <u>Configs</u> Journals Interfaces ree Processes Services TCP/UDP Ports Organi	zation	
Devec Istem Jacka720 to 125 Case IHPE Anba Ogenetic Andrea Central Mod. Rect Device A Much Central Mod. Device Parer Lowic Central SD-WAN Gateways Device Hostmane	Ca Sub	a Type Companies Device providence of the second s	Gateway A D at D 2 Antba7220
Vitals 75%	1HR 6H 12H 24H	7D 14D 38D 99D	Active Events - A Cleared Events 2 A Active Tickets (OWP) - 23
25% 0% 16'00 22'00 16'Apr 10'00 CPU Memory		events or tickets for this device	Resolved Tickets - 20 Log Messages 3 2 Software Titles - 2 Processes - 2 Sandres - 2
Bandwidth Usage	Bandwidth 1kbps	Limit	
50%	0.5kbps		
0% 16.00 19.00 22.00 01.00 Bandwidt		16 ¹ 00 19 ¹ 00 22 ¹ 00 01 ¹ 00 16 ¹ Apr 07 ¹ 00 — Bandwidth limit	10:00 13:00
AP Count			
2Count			
1Count			
0Count 14'00 15'00 18'00	20 ⁰ 00 22 ⁰ 00 00 ⁰ 00 00 — AP count	έσο 16. ['] Αρτ Οδίσο αδίσο 10 ['] σο	12:00

The Aruba: Gateway dashboard displays the following information:

- The basic information about the device
- The device's CPU and memory utilization vitals
- A list of active events and open tickets associated with the device
- A count of, and links to, the elements associated with the device
- Three instances of the Multi-series Performance Widget that display the following metrics trended over the specified period of time:
 - ° Bandwidth usage
 - ° Bandwidth limit
 - ° AP count

Aruba: Switch Container



The Aruba: Switch Container dashboard displays the following information:

- The basic information about the device
- The total number of switches
- A list of active events and open tickets associated with the device
- A count of, and links to, the elements associated with the device
- Four instances of the Leaderboard/Top-N Widget that display the top gateways based on the following metrics:
 - CPU/memory utilization
 - Temperature
 - $^{\circ}$ Power consumption
 - Power over Ethernet consumption

Aruba: Switch

Close Summary Performance Topp Logs Events Tickets Soft Device Dashboard: (Aruba Central: Switch V	Configs Journals Inte ware Processes Services TCP/U	rfaces DP Ports Organization		
Device Name Tantak-23364. D 122 Case Hef Anaba Organization Anaba Canana Mack Root Device Anaba Canana Mack Device Peret Device Machana Device Hostname		Managed Type Category Network Switches Sub-Class 230FS Series Uptime 0 days, 00:00:00 Group / Collector CUG guardians-28		
Vitals	1HR 6H 12H	24H 7D	14D 30D 90D	Active Events - Active Events - Active Events - Active Events 2 Active Tickets (OWP) - 23
20%		There are no events or tickets for this devic	e	Resolved Ticket:
Switch Temprature		Power Consumption		200.0.4.
0.050		500V 250W		
	1:00 16. Apr 07:00 10:00	13:00 OW 16:00 19:00	22'00 01'00 16. Apr	07.00 10.00 13.00
Power over Ethernet Consumption		Client Count		
5W 2.5W		0.05Count 0.025Count		
0W 16:00 19:00 22:00 01	00 16. ¹ Apr 07 ¹ 00 10 ¹ 00 onsumption	13:00 0Count 16:00 19	9:00 22:00 01:00 16. Apr	07:00 10:00 13:00

The Aruba: Switch dashboard displays the following information:

- The basic information about the device
- The device's CPU and memory utilization vitals
- A list of active events and open tickets associated with the device
- A count of, and links to, the elements associated with the device
- Four instances of the Multi-series Performance Widget that display the following metrics trended over the specified period of time:
 - ° Switch temperature
 - Power consumption
 - Power over Ethernet consumption
 - ° Client count

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