

TECHNICAL WHITE PAPER

ARUBA CENTRAL ON-BOARDING SUPPORT

ARUBAOS-SWITCH VERSION 16.07

PURPOSE

The purpose of this feature is to assist the network administrators to easily identify and troubleshoot issues with registration of HPE Aruba Devices with Aruba Central Management solution.

CONFIGURATION

To achieve this, the CLI and WebUI of the devices will be enhanced to provide additional status information to the admin users. This document describes the CLI and WebUI changes to implement this feature. The following changes are made to the NextGen WebUI of ArubaOS-Switch.

- A new menu item called "Aruba Central" is added under the "System Menu" on the WebUI of ArubaOS-Switch.
- When the user selects the "Aruba Central" menu item, the "Status Overview" pane will be displayed (Figure 1).
- The "Status Overview" pane displays the status information for "Dependencies" to connect to central and "Central Connection Status" (Figure 1). By looking at the screen, the user can identify if the switch is being managed by Central. The status for the two items will be "Green" if all is OK, and switch is connected to Central. If there are any issues, the color will be changed to "Red" (Figure 4).
- A check mark or cross mark is also shown to identify the status (Figure 4).
- The admin user can further drill down to see details for each of the steps by clicking on the name (Figure 3 and Figure 4).
- In the Figure 2 below, the detailed view for dependencies is shown. Each item group is shown in the table, the status for each row will be shown with a "Green Check" or "Red Cross" (Figure 5) depending on success or failure. The user can click on the status column to open the help text to understand the reason for failure and to identify the steps to resolve the issue. The "Status Overview" pane is refreshed every 3 seconds, and the status will be updated to reflect the current switch state.

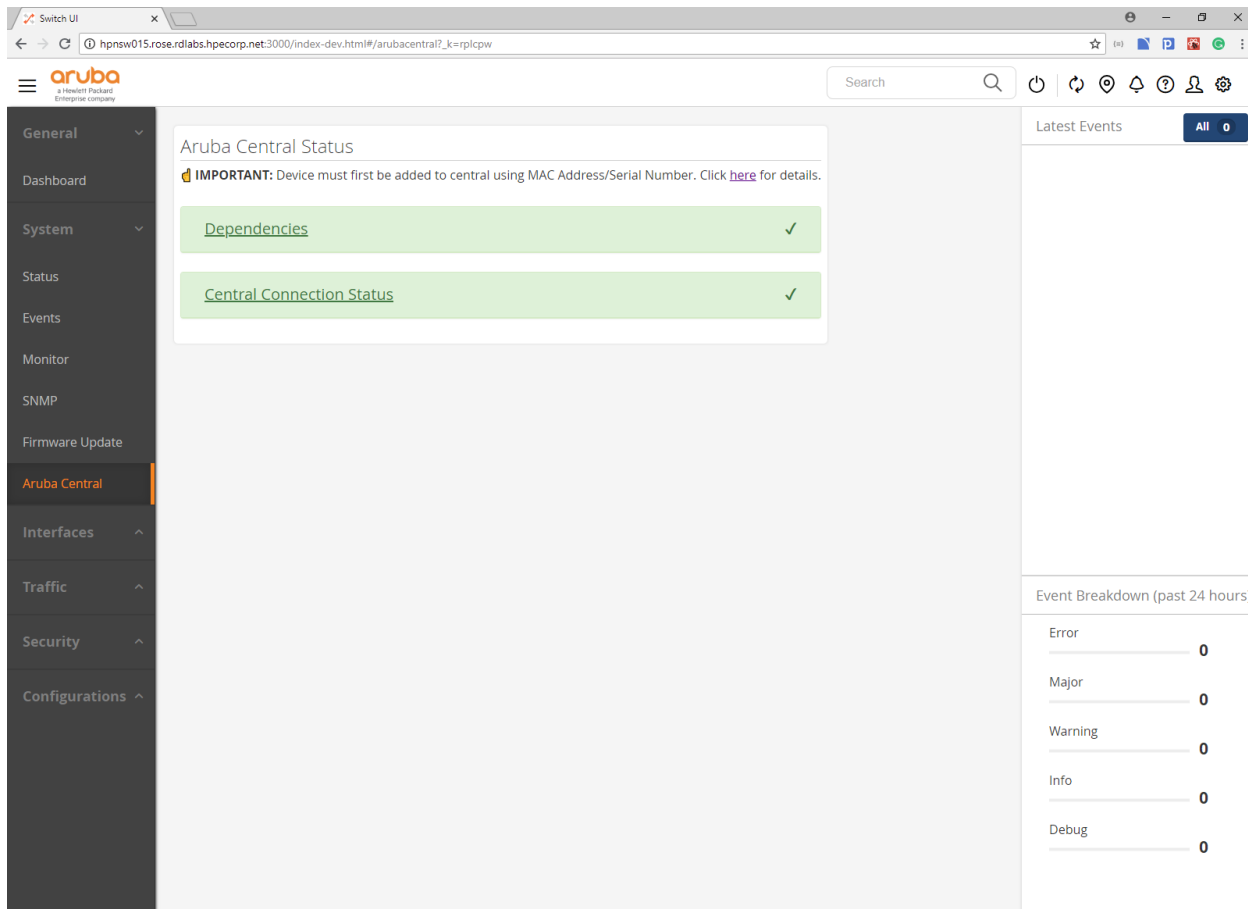


Figure 1. Status overview pane.

Switch UI

hpns015.rose.rdlabs.hpecorp.net:3000/index-dev.html#/arubacentral?_k=rplcpw

aruba
a Hewlett Packard
Enterprise company

Search

General

Dashboard

System

Status

Events

Monitor

SNMP

Firmware Update

Aruba Central

Interfaces

Traffic

Security

Configurations

Aruba Central Status

IMPORTANT: Device must first be added to central using MAC Address/Serial Number. Click [here](#) for details.

Dependencies

✓

Switch Details

MAC Address	7446a0-ff9e40
Serial Number	SG33FLX0BV

Time Sync

DNS	192.168.1.2	✓
NTP Server	pool.ntp.org	✓
NTP sync status	Success	✓
Time	Tue Jun 5 10:47:43 2018	✓

Proxy Configuration

Proxy Server	192.168.1.10	✓
Proxy Port	8080	✓
Proxy Username	None	✓
Proxy Password	None	✓

Internet connection status

Ping google.com	Success	✓
Ping device.arubanetworks.com	Success	✓
Ping https://malshi-device.arubaathena.com/ws	Success	✓

Central Connection Status

✓

Latest Events

All 0

Event Breakdown (past 24 hours)

Error	0
Major	0
Warning	0
Info	0
Debug	0

Figure 2. Detailed view for Dependencies.

Switch UI

hpns015.rose.rdlabs.hpecorp.net:3000/index-dev.html#/arubacentral?_k=rplcpw

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Aruba Central Status

IMPORTANT: Device must first be added to central using MAC Address/Serial Number. Click [here](#) for details.

Dependencies ✓

Central Connection Status ✓

Activate Connection

Resolve device.arubanetworks.com	Success	✓
Connect to https://device.arubanetworks.com	Success	✓
Verify Activate server certificate	Success	✓
Register device	Success	✓
Central URL received	https://malshi-device.arubaathena.com/ws	✓
Activation Key	ASKJROFECGRW	✓

Central Connection

Resolve https://malshi-device.arubaathena.com/ws	Success	✓
Connect to https://malshi-device.arubaathena.com/ws	Success	✓
Verify Central server certificate	Success	✓
Register device with Aruba central	Success	✓
Mode	Managed	
Last connected time	NA	

NOTE: Device is connected to Aruba Central. Login to your central account to add a license and place the device in the appropriate template or group.

Latest Events

All 0

Event Breakdown (past 24 hours)

Error 0

Major 0

Warning 0

Info 0

Debug 0

Figure 3. Detailed view for Aruba Central Connection Status.

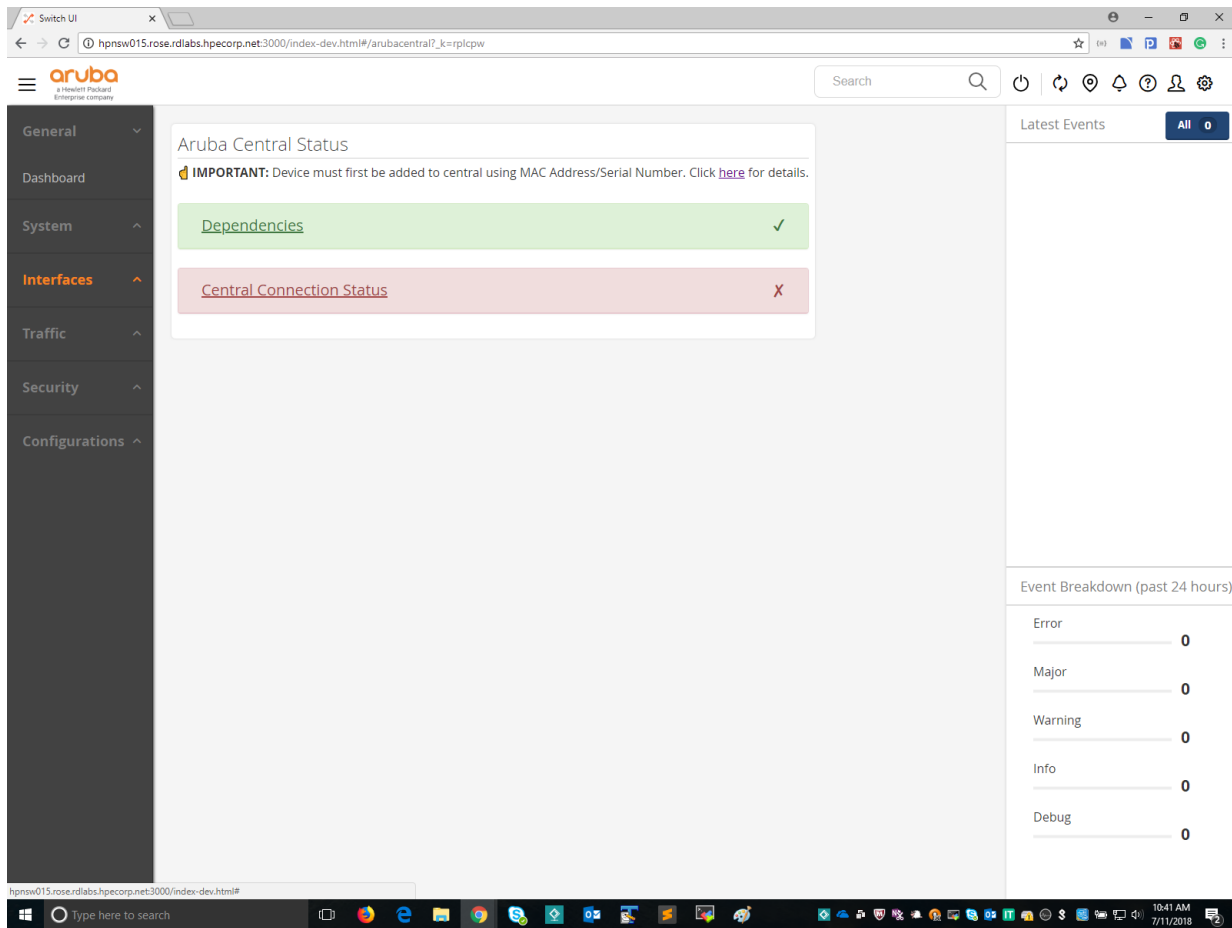


Figure 4. Overview pane with connection error.

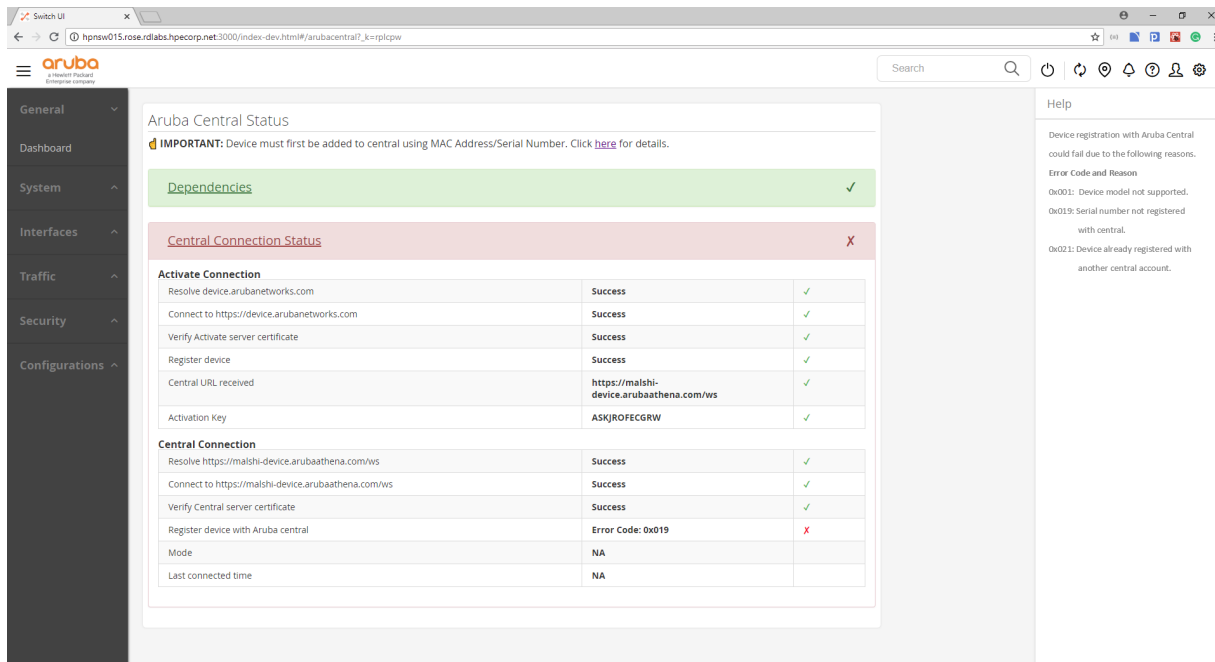


Figure 5. Detailed view for Aruba Central Connection Status with error.

SUPPORTED PLATFORMS

Aruba Central On-Boarding feature is supported on the following ArubaOS-Switch running software version 16.07.

- Aruba 2930F/M Series Switch
- Aruba 3810M Series Switch
- Aruba 5400R Series Switch