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1.1 Revision History

| DATE | VERSION | EDITOR | CHANGES |
|-------------|---------|-------------------|------------------------|
| 03 May 2025 | 0.1 | Ariya Parsamanesh | Initial creation |
| 29 Jun 2025 | 0.2 | Ariya Parsamanesh | New Central Monitoring |

2 HPE Aruba New Central and 3rd Party LAN Switch Observability

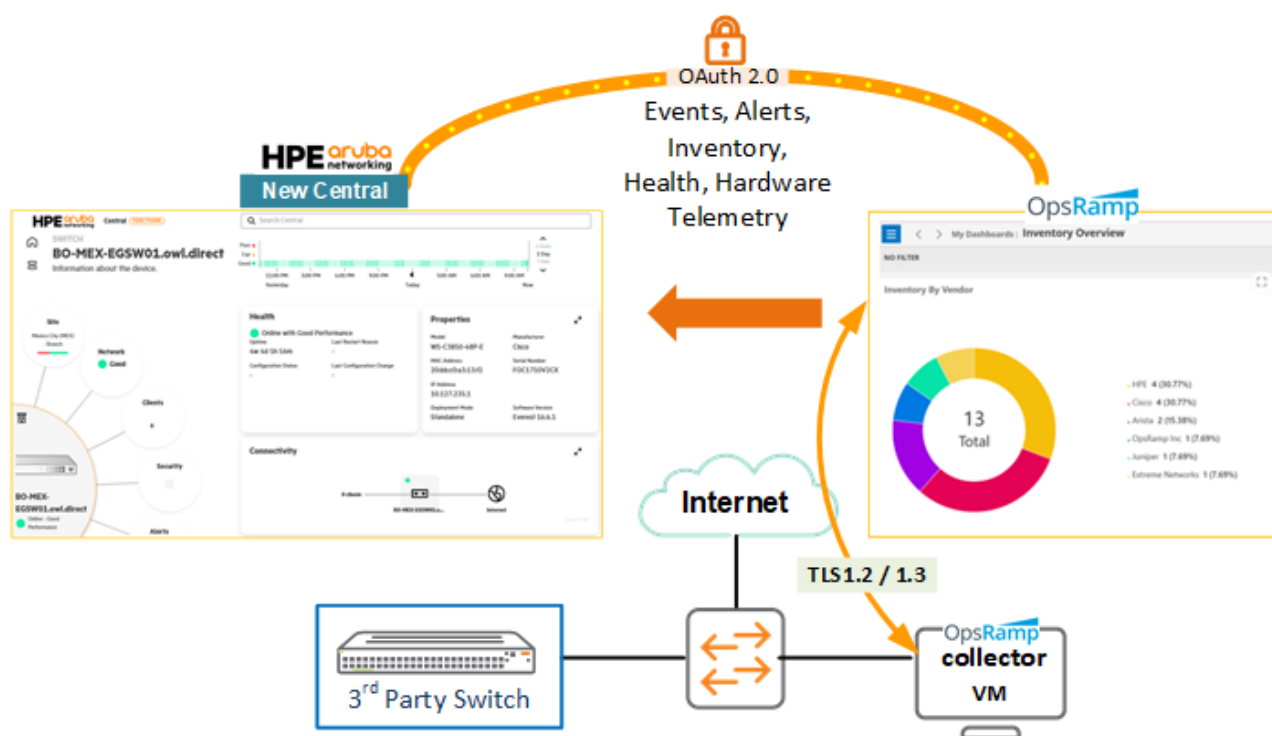
HPE Aruba Networking's New Central platform now includes enhanced capabilities for monitoring third-party network devices. It leverages AI-driven insights to help administrators oversee and troubleshoot their entire network infrastructure, including non-HPE Aruba components such as LAN switches.

This is done by integrating HPE Aruba Central with HPE OpsRamp platform which is a SaaS based IT operation management that provides total visibility for many types of resources, one being LAN switches.

There are two common ways to use OpsRamp

1. Standalone through HPE GreenLake platform
2. Integrated with some of the GreenLake platform services like HPE Aruba Networking

In this technote I'll cover the New Central integration with HPE OpsRamp through GreenLake that will enable New Central to provide observability of 3rd Party switches.



2.1 Things you need

We need the following.

- At least one 3rd party switch, here I am using Cisco 2960
- VM infrastructure to run the OpsRamp collector
- Aruba Central OpsRamp extension license.

2.2 Assumptions

- The OpsRamp subscription license is already added to HPE GreenLake account.

3 Observability capabilities in HPE GreenLake

All GreenLake accounts have access to OpsRamp app but it is an allowlisted feature that you need to contact your local HPE Aruba Networking representative to enable it. Once it is allowlisted, you can configure it so that it can be used for sending the telemetry information to New Central. In this section I'll setup my OpsRamp service in GreenLake. Here is the OpsRamp app from the services Catalogue and I'll be using OpsRamp in US West region.

Services Catalog

OpsRamp

Management & Governance

OverviewRegions (1)

Overview

OpsRamp is a modern IT Operations Management (ITOM) solution providing infrastructure monitoring, automation and event resolution with AIOps to provide end-to-end visibility and control across hybrid IT environments.

Capabilities

- Hybrid Discovery & Observability – Auto-discover and monitor all IT resources anywhere across edge, on-prem and public cloud environments.
- Single Unified View – Single centralized operations command center with overall observability and ability to trace and monitor various types of logs and apps leading to faster root cause analysis.
- End-to-End Visibility to monitor and manage heterogeneous environments with multi-vendor compute, storage, networking, virtual machines, containers, databases, cloud services, software assets and more.
- Event & Incident Management with AIOps and machine learning. Take the right action faster and reduce alert overload while expediting MTTR and MTTR.
- Automation & Remediation of incidents reduces service outages and slowdowns, saves time, and improves both operational governance and team productivity.
- Auto-Correlation with AIOps and machine learning deduplicates and suppresses alerts to reduce alert volumes by up to 99%.
- Auto-Patching allows you to stay up to date, compliant and secure by applying updates to software, drivers, and firmware.

Contact Sales

Add Region

Launch

Details

Supported workspace types

Standard Enterprise Workspace

Service ID

f4cc7322-f1c0-4546-a06c-74e0c3894769

Documentation

https://docs.opsramp.com/

Terms of service

https://www.hpe.com/psnow/doc/a50009054ENW

Available regions

US West - Sunnyvale

US Central - N. California

AP AusNZ - Sydney

EU Central - amsterdam

AP South - Mumbai

EU North - london

AP NorthEast - Japan

EU West - Germany

US East - New York

We need to provision the OpsRamp App and select US West as a region. For mapping between Aruba Central and OpsRamp instant you can refer [here](#) . As shown below you need a OpsRamp extension subscription.

Services

Discover and manage services.

My Services

Service Subscriptions

Add and view your service subscriptions. Device subscriptions can be found [here](#)

Add Service Subscription

Catalog

Search by subscription key

Actions

| Subscription Key | Tier | Subscription Name | Subscription Type | Expiration Date | Tags |
|--------------------|--------------------|--|-------------------|-----------------|------|
| E066828903F2A498C8 | Analytics | Aruba NetInsight 90 Day Eval Subscription per 1 Network Device | SERVICE | Jun 7, 2022 | -- |
| | OpsRamp Enterprise | OpsRamp 5yr Internal SaaS | Evaluation | Feb 12, 2030 | -- |

Once the subscription is added you are ready to launch OpsRamp App from the services catalog.

HPE GreenLake

Ariya I

Search HPE GreenLake Platform

Home

Services

Devices

Services

Discover and manage services.

My Services

Service Subscriptions

Catalog

Services Catalog

View all cloud services.

All Regions

Search

ppsrampp

1 item(s)


Management & Governance

OpsRamp

Effectively manage your hybrid cloud


IT resources with AIOps driven IT

Operations Management



Ariya
▼

Home
Services
Devices

Getting Started



Find Services
Discover and launch services from our catalog.



Manage Workspace
Set up this workspace, users, access and more.

Recent Services

HPE Aruba Networking Central Internal Networking

Launch

HPE Sustainability Insight Center Management & Governance

Launch

OpsRamp Management & Governance

Launch


The screenshot shows the OpsRamp Enterprise logo at the top left. Below it, there's a yellow-bordered box containing an error message:

Current user does not have the requisite OpsRamp Access role to access OpsRamp Application. Please assign this role on the HPE GreenLake Platform and launch again.

[Manage workspace](#)


Workspace identity & access

Securely manage users and access to resources.




Users

Invite users to access your workspace on HPE GreenLake and manage user access to resources.



Roles & Permissions

Manage user roles.



Resource Restriction Policy

Limit role access with customizable resource groupings for more granular access control.

Roles

Manage service access and permissions.

Assign Role

Assign role

Grant access to Ariya Parsamanesh by assigning roles.

Service*

OpsRamp

Role*

Opsramp Access

Additional Resource Restrictions

Set restrictions to further limit resource access. See [Resource Restriction Policies](#) in the table of contents of the User Guide.


Limit Resource Access

☐

Assign Role

Cancel

4 | Page



Ariya Parsamanesh
Verified

ariyap@hpe.com

Actions

Details

Email, session information, and roles for the selected user.

Email
ariyap@hpe.com

Joined Date
Mar, 6, 2022

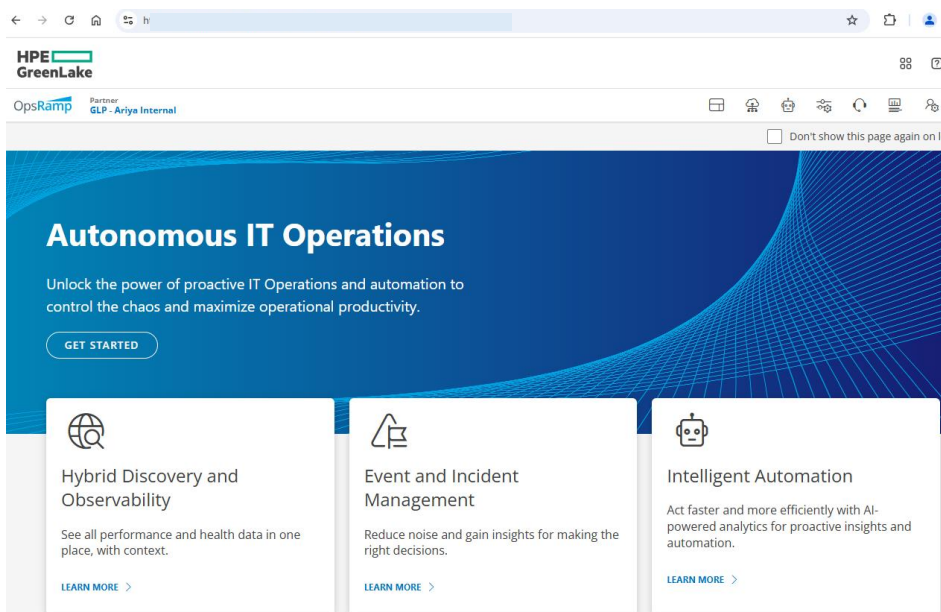
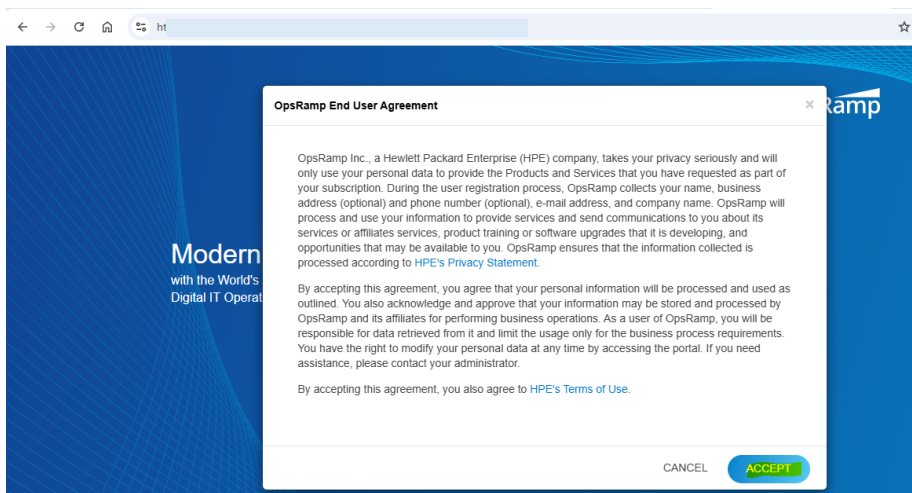
Last Session
Feb, 19, 2025

Roles
Assign Role

Manage service access and permissions.

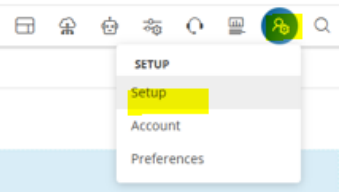
| Application | Role | Resource Access | |
|------------------------------|-----------------------------|-----------------|-----|
| HPE Aruba Networking Central | Aruba Central Administrator | Full Access | ... |
| HPE GreenLake Platform | Workspace Administrator | None | ... |
| OpsRamp | Opsramp Access | Full Access | ... |

Now we go back and launch the OpsRamp app from GreenLake and this time there will be no errors and you should be getting the following.

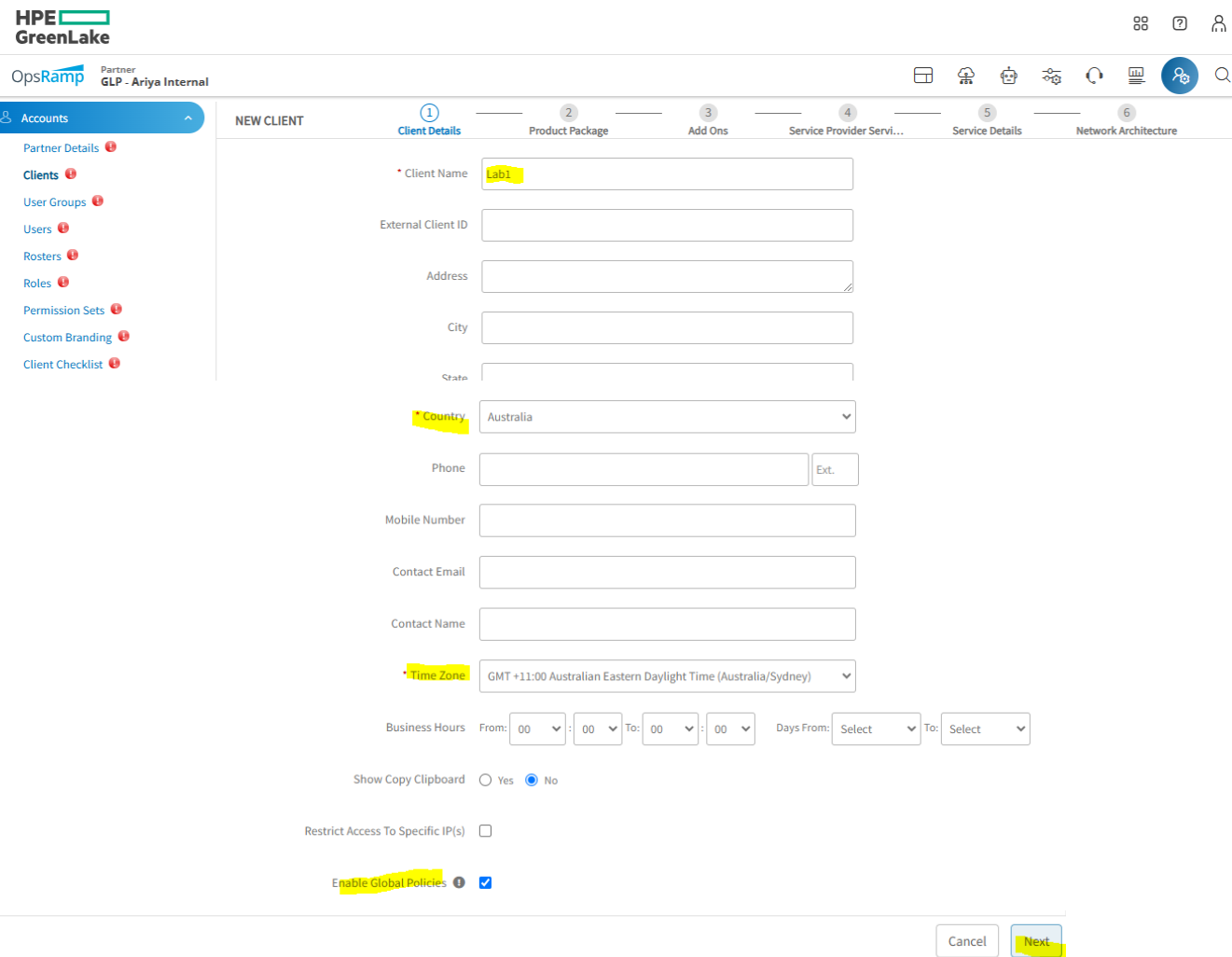
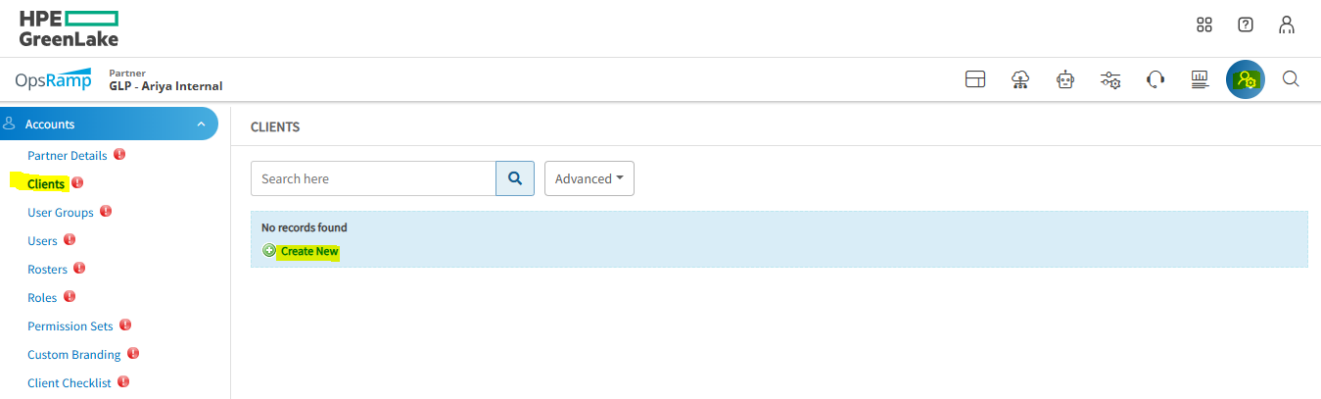


3.1 Creating the First Client

Now you need to create a client. In OpsRamp a Client represents an IT environment that you want to manage. The client account is automatically created in OpsRamp but here I'll go through the manual process just in case you might need it. So you'll start by going to "Setup" and clicking on "Setup".



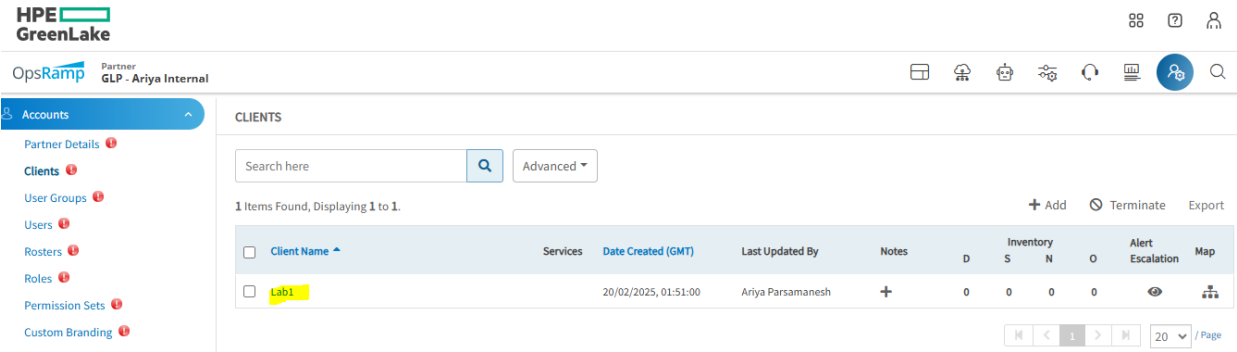
Then create a new client as shown below.



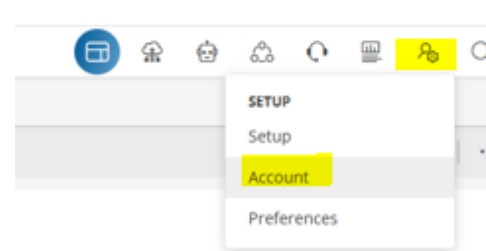
Make sure you select the “Enable Global Policies” checkbox shown above.

There are lots of other options that I am not showing, as I am going with bare minimum. We’ll click on Next button and then “Finish”. Note that the “Finish” button will be displayed after you click the “Next”.

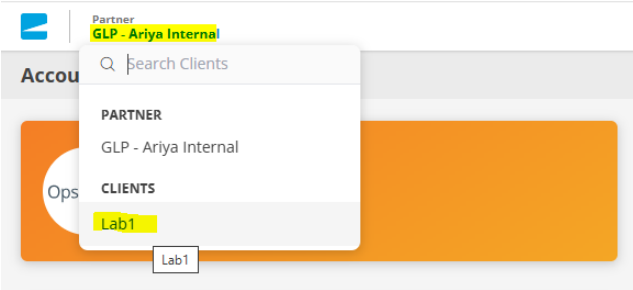
Once it is finished, you should get your client listed and you should get an email confirmation as well.



Next we need to add some custom attributes to this client (Lab1), for that you need to go to Setup->Account

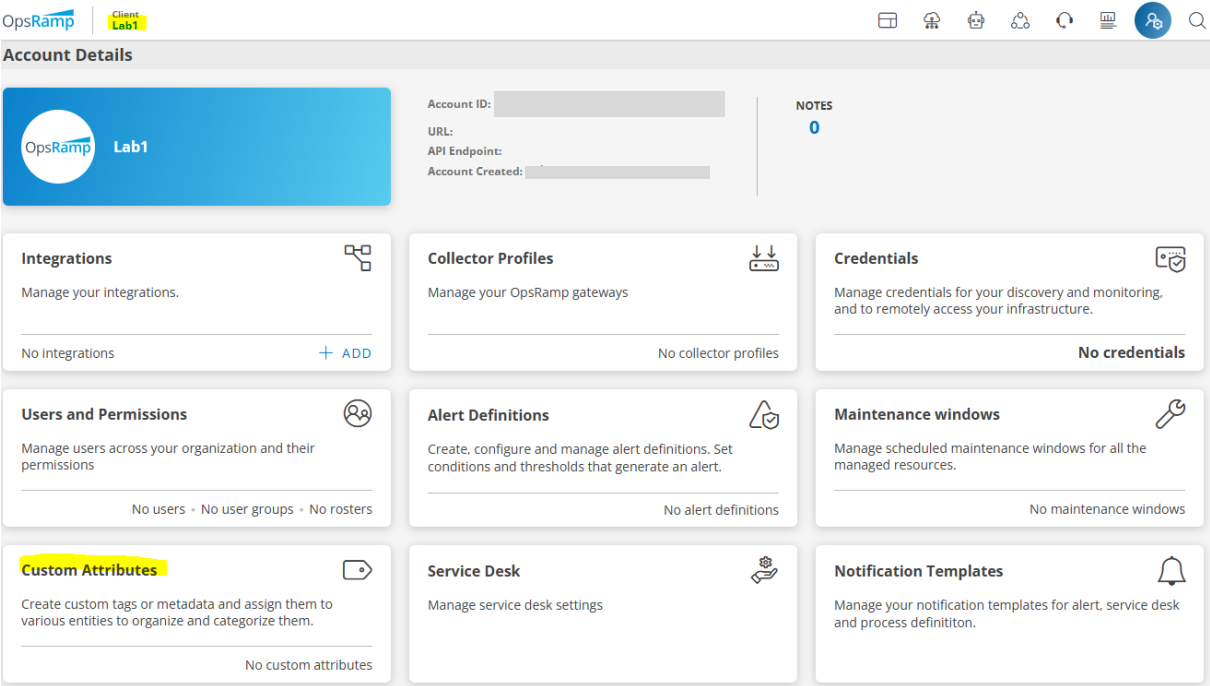


Then select your client as shown below.

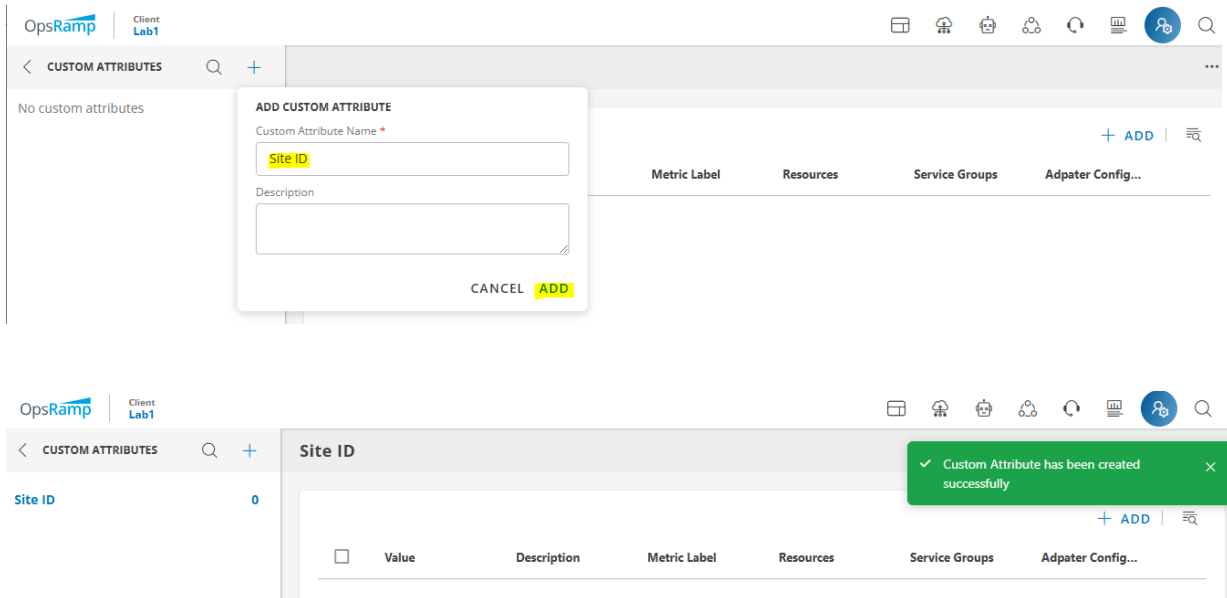


3.2 Custom Attributes

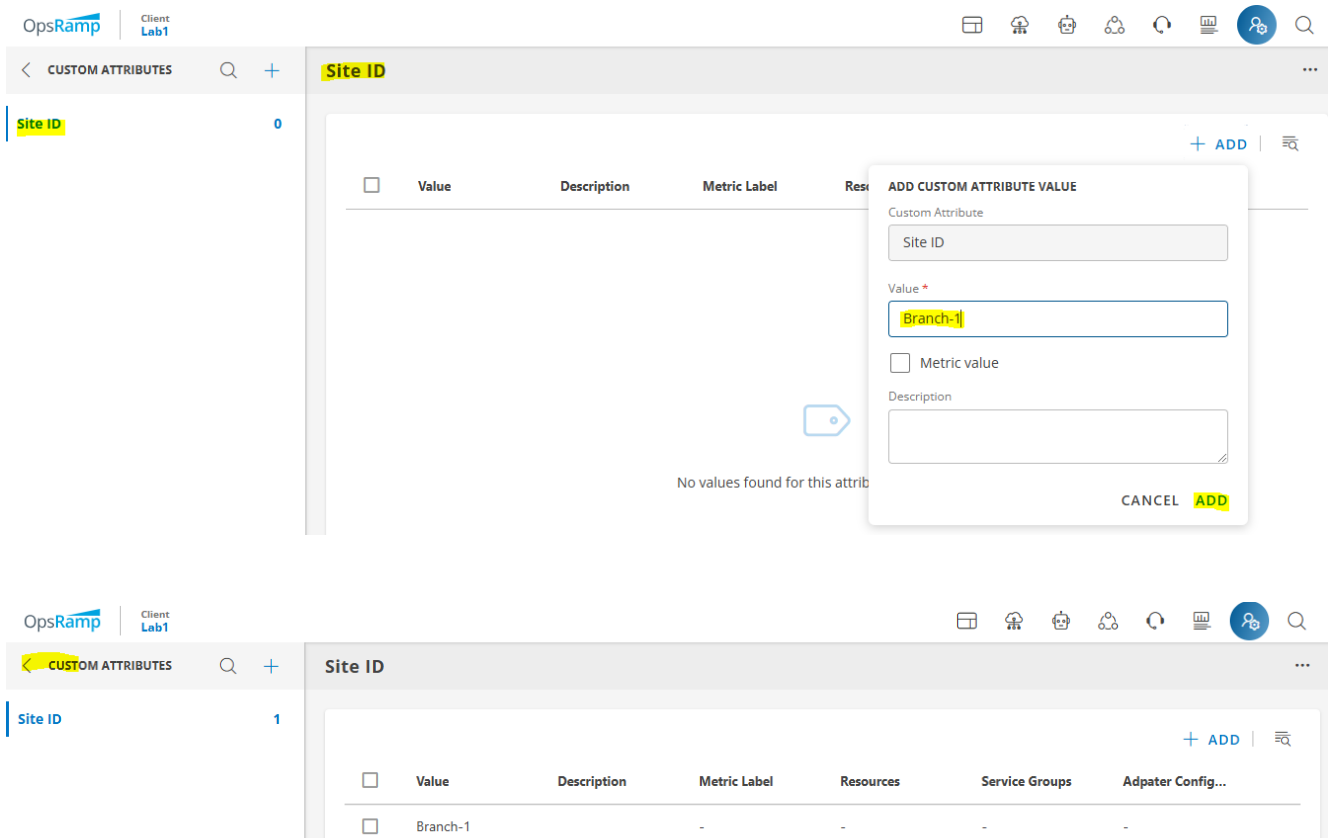
Your client account details are shown and now we select Custom Attributes card.



First we’ll add the “Site ID” as a name of custom attribute, followed by a value which obviously will be one of your Sites that are already configured in New Central.

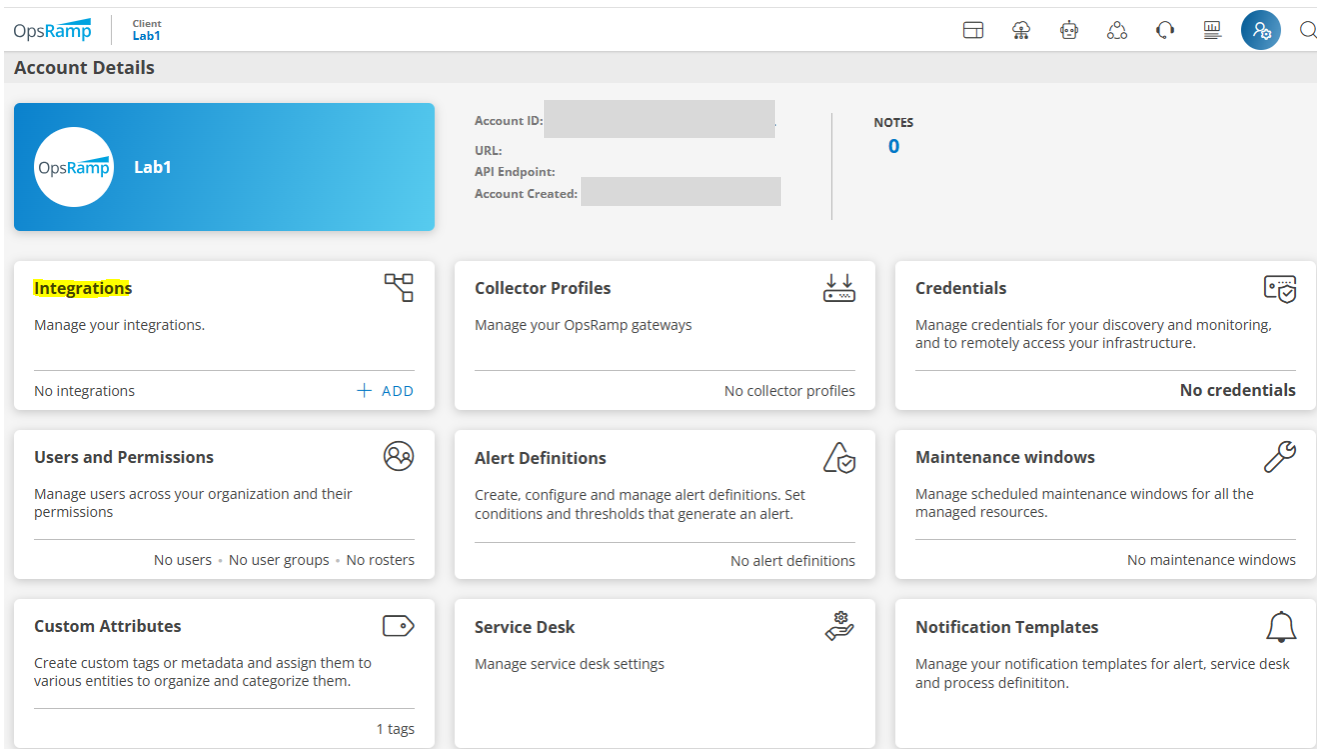


The value for Site ID in my case is Branch-1. Note that I have already created a Site called Branch-1 in my Classic Central. So when the 3rd party switch will be discovered, it will be visible in Branch-1 site using New Central.

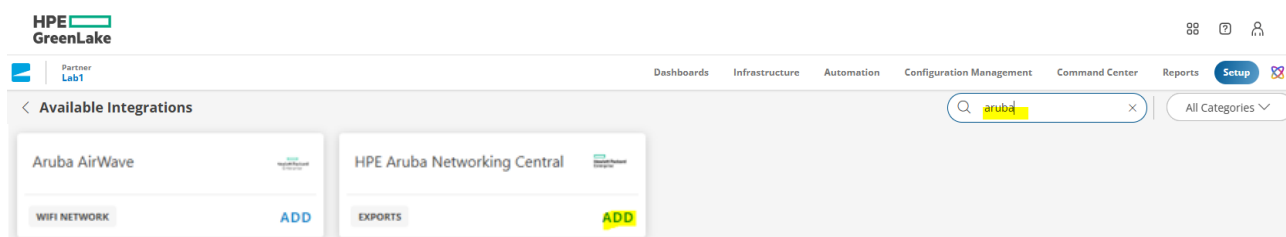
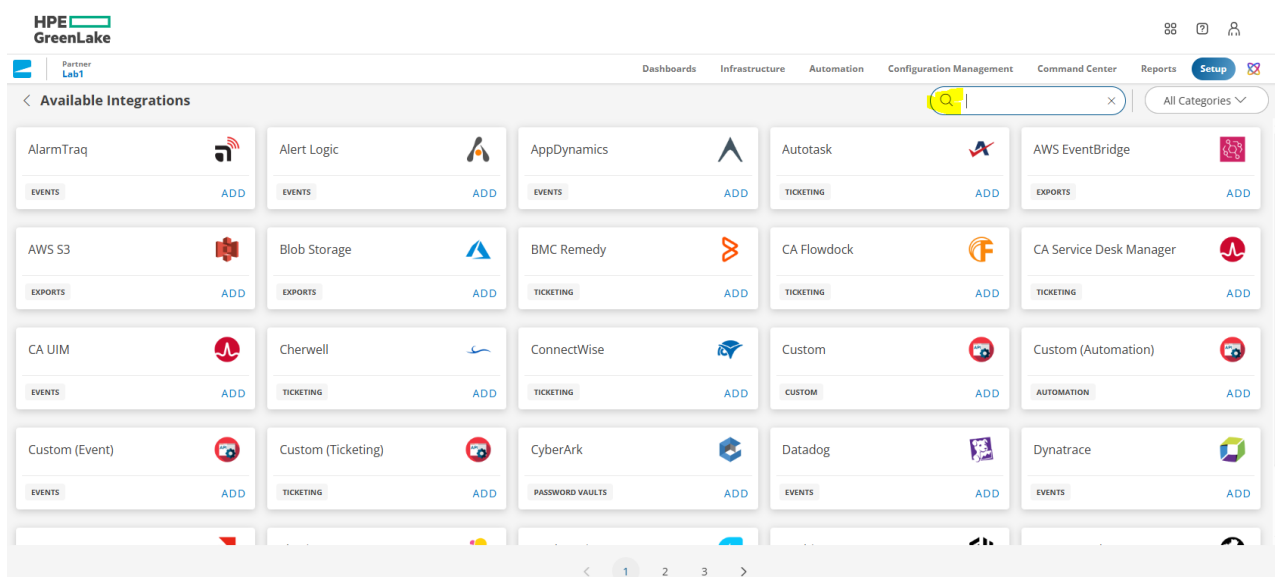


3.3 New Central Integration

Click on the highlighted arrow to take you back to the client account details where we need to add Integration for this client and the integration is to link it with New Central.



Select Integration card and you'll notice that there are many integrations and hence we'll search for "aruba"



Click add and finish.

OpsRamp Client Lab1 ADD HPE ARUBA NETWORKING CENTRAL DOCS X

FILTER

RESOURCE

DEFAULT QUERY: resourceTypePath CONTAINS 'Network Device' AND os != 'ArubaOS' AND os != 'AOS-CX' AND os != 'ProCurve' AND

+ QUERY

ALERT

CANCEL FINISH

Here is the query that is used.

```
"resourceTypePath CONTAINS 'Network Device' AND os != 'ArubaOS' AND os != 'AOS-CX' AND os != 'ProCurve'".
```

This is ensuring the info that is sent to Aruba Central is not for Aruba devices.

OpsRamp Client Lab1

< Installed Integrations + ADD [Icons] All Categories

HPE Aruba Networking Central

1 + ADD

| <input type="checkbox"/> | Name | Status | Added On | Updated On | Enabled | |
|--------------------------|------------|-----------------------------|-----------------------|-----------------------|-------------------------------------|-----|
| <input type="checkbox"/> | aruba-cnrx | WAITING FOR ACKNOWLEDGEMENT | Feb 20, 2025, 1:50 PM | Feb 20, 2025, 1:50 PM | <input checked="" type="checkbox"/> | ... |

1 results | Rows: 20 | Page 1 of 1

There might be times that you see the above status, if it is still showing after a few minutes it is best to delete and re-add the Central integration.

OpsRamp Client Lab1

Dashboards Infrastructure Automation Configuration Management Command Center Reports Setup

< Installed Integrations + ADD [Icons] All Categories

HPE Aruba Networking Central

1 + ADD

SNMP

1 + ADD

| <input type="checkbox"/> | Name | Status | Added On | Updated On | Enabled | |
|--------------------------|------------|---------|-----------------------|-----------------------|-------------------------------------|-----|
| <input type="checkbox"/> | aruba-cnrx | RUNNING | Feb 25, 2025, 9:11 AM | Feb 25, 2025, 9:12 AM | <input checked="" type="checkbox"/> | ... |

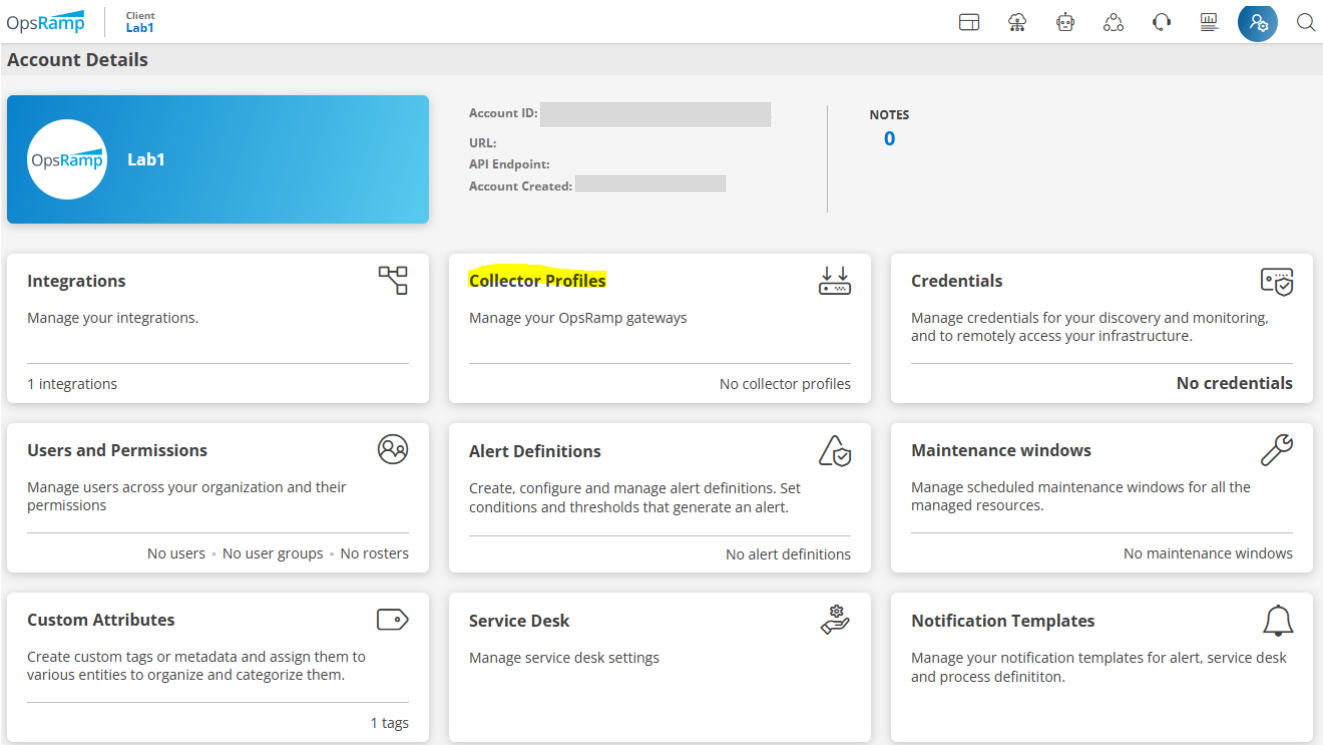
1 results | Rows: 20 | Page 1 of 1

Once the status is running, you are set to go to the next section.

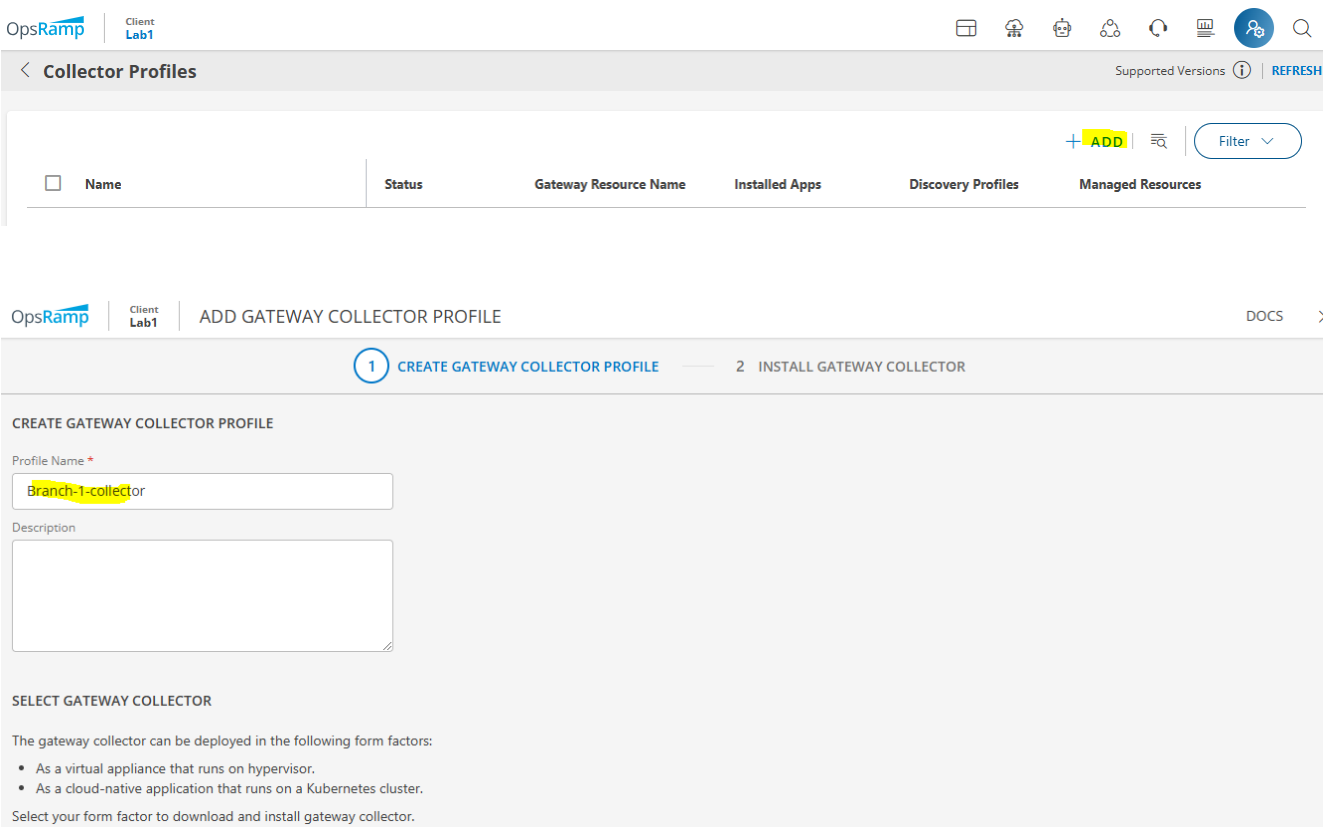
4 OpsRamp Collector

4.1 Configuring the Collector Profile

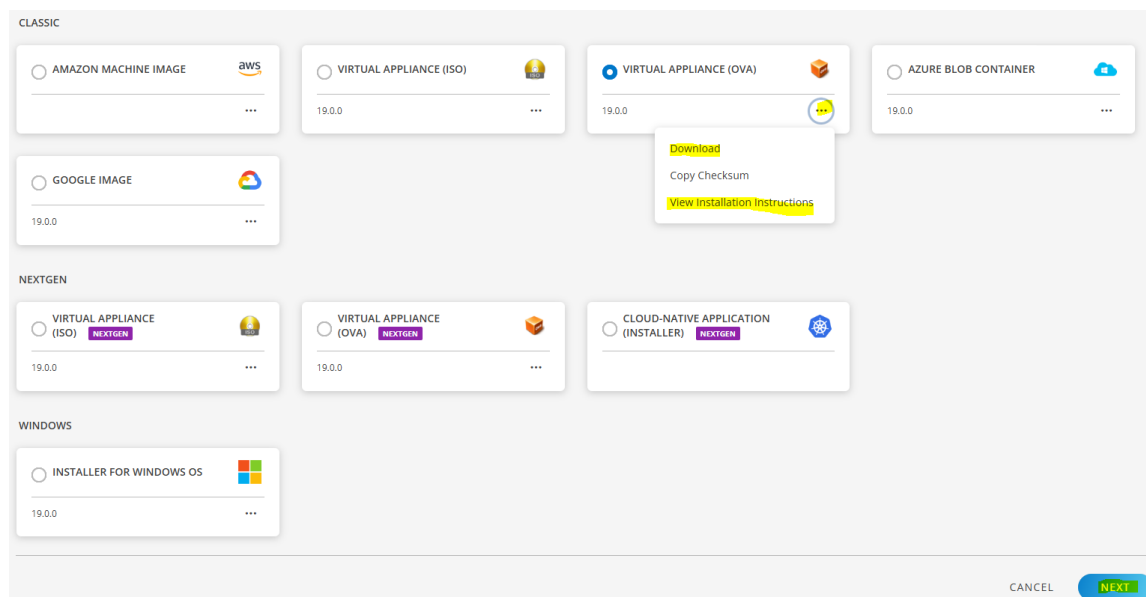
We need to add at least one collector to get the telemetry info from the 3rd party devices for that we'll first create a Collector profile.



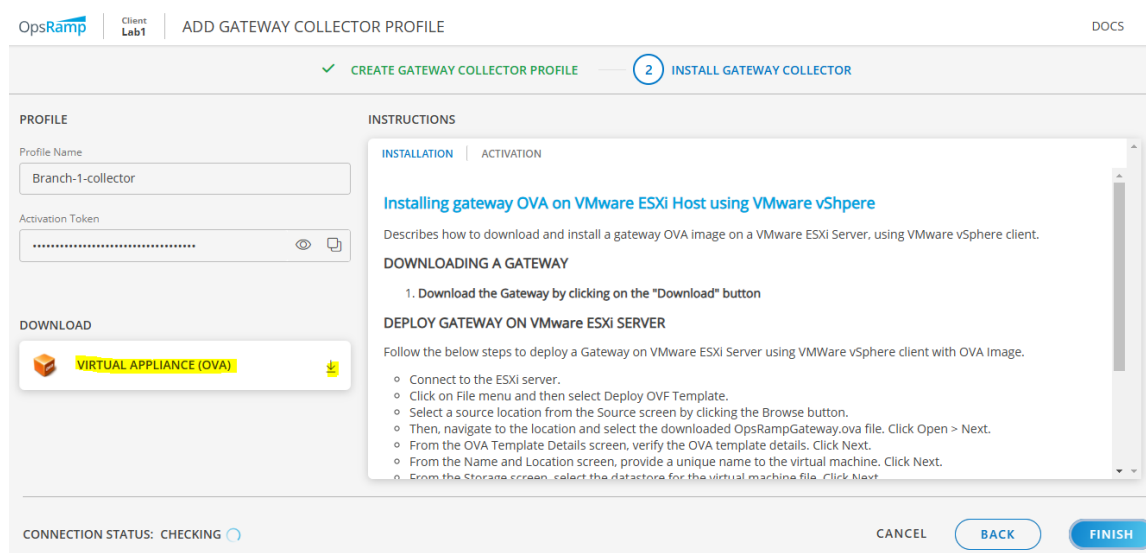
Here I am adding my first collector for branch-1 site.



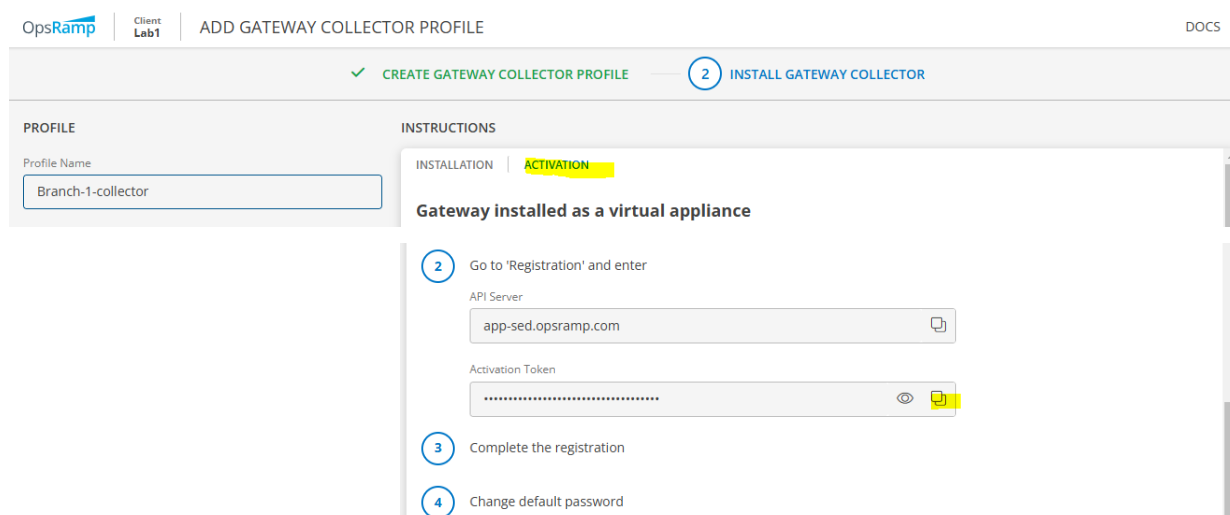
The collectors can be virtual machines and I am choosing that so I can run it on my ESXi infrastructure. Note, here I am using Collector version 19.0, but always use the latest version as new capabilities are added.



After clicking on the Next button, you'll see the following page where you have another opportunity to download the OVA and copy the activation key.



Now copy Activation token as shown below.



4.2 Installing the Classic Gateway Collector

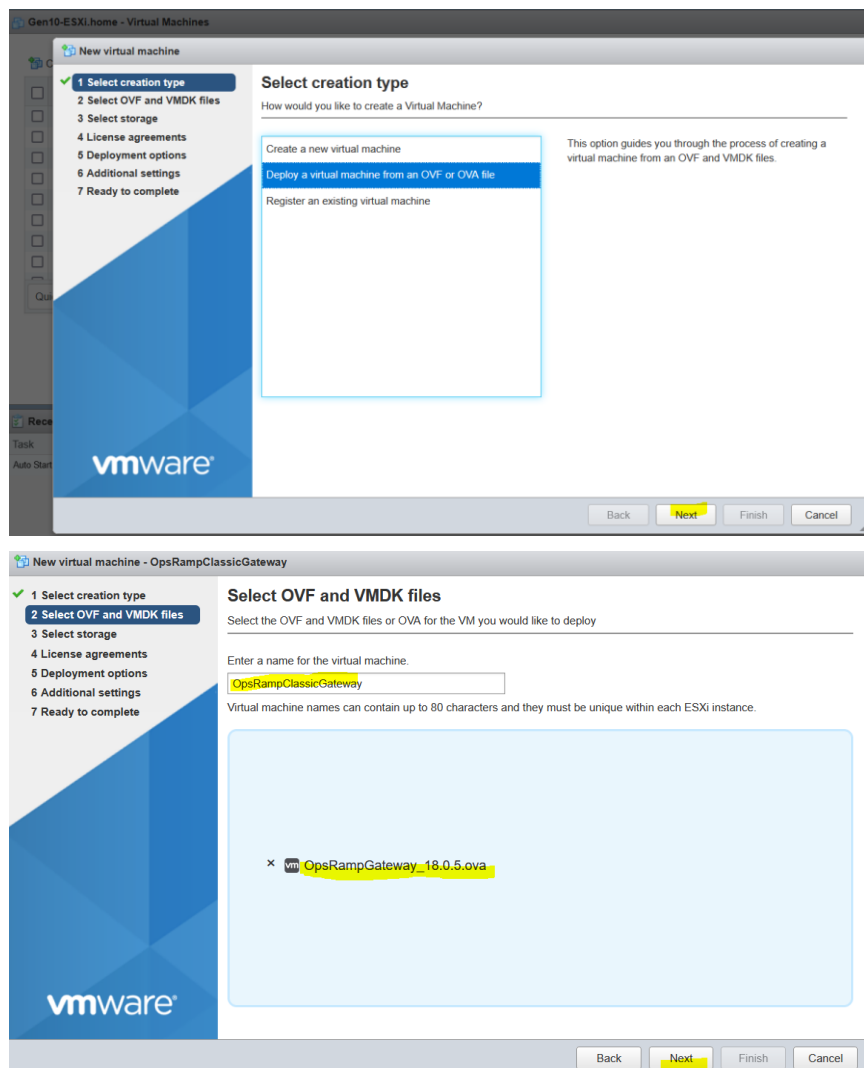
Here are the instructions that were shown when we were adding the Collector profile. I have added here for ease of use. Note that OpsRamp calls a VM collector as a gateway.

DEPLOY GATEWAY ON VMware ESXi SERVER

Follow the below steps to deploy a Gateway on VMware ESXi Server using VMWare vSphere client with OVA Image.

- Connect to the ESXi server.
- Click on File menu and then select Deploy OVF Template.
- Select a source location from the Source screen by clicking the Browse button.
- Then, navigate to the location and select the downloaded OpsRampGateway.ova file. Click Open > Next.
- From the OVA Template Details screen, verify the OVA template details. Click Next.
- From the Name and Location screen, provide a unique name to the virtual machine. Click Next.
- From the Storage screen, select the datastore for the virtual machine file. Click Next.
- From the Disk Format screen, select Thick Provision Lazy Zeroed.
- From the Network Mapping screen, choose the network adaptor.
- From the Ready to Complete screen, verify all of the deployment settings you've chosen. Finally, click Finish.
- A pop-up page appears, displaying the OpsRamp Gateway deployment progress.
- When the deployment is Successfully Completed, you will see a pop-up screen with a confirmation message. Now, the ESXi server displays the OpsRamp Gateway virtual machine.
- To power on the machine, right-click on the machine and select Power > Power On.

Now we'll start the installation process for the collector and here are the screenshots to guide you through it.



New virtual machine - OpsRampClassicGateway

- 1 Select creation type
- 2 Select OVF and VMDK files
- 3 Select storage
- 4 License agreements
- 5 Deployment options
- 6 Additional settings
- 7 Ready to complete

Select storage

Select the storage type and datastore

Standard Persistent Memory

Select a datastore for the virtual machine's configuration files and all of its' virtual disks.

| Name | Capacity | Free | Type | Thin pro... | Access |
|------------|----------|---------|-------|-------------|--------|
| datastore1 | 5.45 TB | 3.62 TB | VMFS6 | Supported | Single |

1 items

Back Next Finish Cancel

New virtual machine - OpsRampClassicGateway

- 1 Select creation type
- 2 Select OVF and VMDK files
- 3 Select storage
- 4 Deployment options
- 5 Additional settings
- 6 Ready to complete

Deployment options

Select deployment options

| | | |
|------------------------|----------------------------|--|
| Network mappings | VM Network | VM Network |
| Disk provisioning | <input type="radio"/> Thin | <input checked="" type="radio"/> Thick |
| Power on automatically | <input type="checkbox"/> | |

Back Next Finish Cancel

Note that we have not checked the “Power on Automatically”.

New virtual machine - OpsRampClassicGateway

- 1 Select creation type
- 2 Select OVF and VMDK files
- 3 Select storage
- 4 Deployment options
- 5 Additional settings
- 6 Ready to complete

Additional settings

Additional properties for the VM

| | |
|------------------------------|--------------------------------------|
| Network | |
| HostName | GW1 |
| DomainName | |
| IPAddress | 192.168.1.99 |
| NetworkMask | 255.255.255.0 |
| Gateway | 192.168.1.249 |
| DNSServer | 8.8.8.8 |
| ExternalProxy | Click to expand |
| NTPServers | |
| NTPServers | pool.ntp.org |
| AddOns | Click to expand |
| OpsRamp Gateway Registration | |
| RegistrationUrl | app-sed.opsramp.com |
| ActivationToken | 007d9ed1-6fc5-464e-979a-0afb74d8a207 |

Back Next Finish Cancel


New virtual machine - OpsRampClassicGateway

- 1 Select creation type
- 2 Select OVF and VMDK files
- 3 Select storage
- 4 Deployment options
- 5 Additional settings
- 6 Ready to complete

Ready to complete

Review your settings selection before finishing the wizard

| | |
|-------------------|--------------------------------|
| Product | OpsRamp Gateway |
| VM Name | OpsRampClassicGateway |
| Files | OpsRampGateway-1805-disk1.vmdk |
| Datastore | datastore1 |
| Provisioning type | Thick |
| Network mappings | VM Network: VM Network |
| Guest OS Name | Ubuntu Linux (64-bit) |
| Properties | Click to expand |

 Do not refresh your browser while this VM is being deployed.

Back Next **Finish** Cancel

Last part is to save the configuration by clicking on the Finish button. Now you can power it up and should get the following on the console.

```

OpsRamp Gateway - OGVMAU22
-----
Service Tag      : 00:0C:29:57:E2:F9
Build Tag        : 18.0.5-b206-202409030700
Firmware Version : 18.0.5
Host Name        : GW1.null
Admin Web URL     : https://192.168.1.99:5480

-- * Note * --
Only authorized users can use this Appliance. Activities of any users using
this Appliance without authority, or in excess of their authority, may be
monitored and recorded at the discretion of the Management. Any user using
this Appliance expressly consents to such monitoring and is advised if such
monitoring reveals malicious or improper activity.

Copyright OpsRamp Inc. 2024. All rights reserved.

GW1 login: _

```

For the default password, you need to navigate to Setup->Setup, Download, and click Gateway to copy the access password settings.

HPE GreenLake


OpsRamp Partner GLP - Ariya Internal



Dashboards Infrastructure Automation Configuration Management Command Center Reports **Setup**

Accounts Resources Integrations **Downloads** Monitoring

GATEWAY

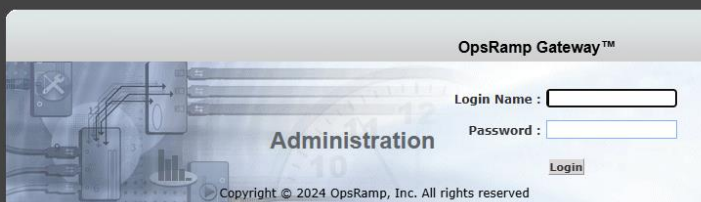
Supported Versions

Default Credentials  v18.0.0 or later

| | Username | Default Password |
|-------------------------------|----------|---|
| Gateway administrator account | admin |  |
| System user account | ruser |  |

Now you can login to the gateway and on your first login you have to change the password.

Not secure https://192.168.1.99:5480/login



OpsRamp Gateway™

Administration

Login Name :

Password :

Login

Copyright © 2024 OpsRamp, Inc. All rights reserved

This portal best viewed in Chrome 81.x, Firefox 83.x, IE 11.x and above

Appliance Administration Admin Password has expired

* Indicates mandatory fields.

You are required to change your password immediately

User Name * :

Old Password * :

New Password * :

Confirm Password * :

4.3 Configuring the Classic Gateway Collector

Here is what we see after successful login to the collector we just installed.

Administration Menu

Status

[General](#)

Setup

[Network](#)

[Date and Time](#)

[Password](#)

[Registration](#)

[Applications](#)

[Proxy Configuration](#)

[Syslog Settings](#)

[SSL Configuration](#)

[Maintenance](#)

[SNMP](#)

[Troubleshooting](#)

[Reboot / Shutdown](#)

Integrations

[External Alerts Store](#)

[External RM Store](#)

Utilities

[Ping Device](#)

[Telnet Device](#)

[DNS Lookup](#)

[Trace route](#)

[SNMP Walk](#)

[Routing Table](#)

Appliance Information

Model : OGVMAU22

Firmware Build Tag : 18.0.5-b206-202409030700

Appliance Firmware Version : 18.0.5

Registration Status : Not Registered

Tunnel Status : Not Established

Network Information

Host Name : GW1

Domain Name : null

MAC Address: 00:0C:29:57:E2:F9

IP Address : 192.168.1.99

Subnet Mask : 255.255.255.0

Default Gateway : 192.168.1.249

DNS Entries : 8.8.8.8

Our first task for my setup is to go to the network setting and change it to direct connection to Internet as I don't have any proxies.

Network Connection Settings

* Indicates mandatory fields.

☒ Direct connection to the Internet

☐ Manual proxy configuration

HTTP/HTTPS Proxy (IP/Hostname) * :

Port * :

User :

Password :

Next we need to setup the correct Date and time and select your correct Time Zone and click on Synchronise Now.

OpsRamp Appliance Administration Panel

Welcome Administrator | Logout

Administration Menu

- Status
 - General
- Setup
 - Network
 - Date and Time
 - Password
 - Registration
 - Applications
 - Proxy Configuration
 - Syslog Settings
 - SSL Configuration
- Maintenance
 - SNMP
 - Troubleshooting
 - Reboot / Shutdown
- Integrations
 - External Alerts Store

Date and Time

Current time : Thu Feb 20 06:01:41 UTC 2025

Time Zone

Select Time Zone * : (GMT+10:00) Sydney, Melbourne

Internet Time

NTP Server status* : On

NTP servers* : pool.ntp.org

NTP Synchronization Status : ✓ Synchronize Now

☐ Set Date and Time Manually (This forces NTP service to be turned off)

Set date * : (MM-DD-YYYY)

Set time * : 0 0 0 (HH:MM:SS)

Save Reset

The current time will change for me it is synchronised.

OpsRamp Appliance Administration Panel

Welcome Administrator | Logout

Administration Menu

- Status
 - General
- Setup
 - Network
 - Date and Time
 - Password
 - Registration
 - Applications
 - Proxy Configuration
 - Syslog Settings
 - SSL Configuration
- Maintenance
 - SNMP
 - Troubleshooting
 - Reboot / Shutdown
- Integrations
 - External Alerts Store

Date and Time

Current time : Thu Feb 20 17:04:47 AEDT 2025

Time Zone

Select Time Zone * : (GMT+10:00) Sydney, Melbourne

Internet Time

NTP Server status* : On

NTP servers* : pool.ntp.org

NTP Synchronization Status : ✓ Synchronize Now

So now we'll check the registration and we see all is good and the TLS tunnel has been established.

OpsRamp Appliance Administration Panel

Welcome Administrator | Logout

Administration Menu

- Status
 - General
- Setup
 - Network
 - Date and Time
 - Password
 - Registration
 - Applications
 - Proxy Configuration
 - Syslog Settings
 - SSL Configuration
- Maintenance
 - SNMP
 - Troubleshooting
 - Reboot / Shutdown
- Integrations
 - External Alerts Store

Registration

OpsRamp Server : app-sed.opsramp.com

Deactivate

Registration Status : ✓ Registered

Tunnel Status : ✓ Established

Note that OpsRamp Gateway is a hardened Linux appliance that connects to OpsRamp cloud using TLS1.2 / TLS 1.3 protocols. So you need to configure your firewall to allow that traffic out and it does not need to have a public IP address. The connection is always initiated by the gateway just like all the Aruba Devices (APs, switches and gateways).

Now we go to the OpsRamp portal to view the status of our collector by going to Setup->Account->Collector Profiles.

OpsRamp

Client Lab1

Collector Profiles

Supported Versions ⓘ | [REFRESH](#)

+ ADD

Filter

| <input type="checkbox"/> | Name | Status | Gateway Resource Name | Installed Apps | Discovery Profiles | Managed Resources |
|--------------------------|--------------------|-------------|-----------------------|----------------|--------------------|-------------------|
| <input type="checkbox"/> | Branch-1-collector | CONNECTED ⓘ | GW1 | 0 | 0 | 1 |

4.4 **Creating SNMP Profile for Gateway Collector**

Our next task is to configure SNMP profiles that facilitates monitoring of network devices.
For that you need to go to Setup->Account->choose your client (Lab1 in my case).

OpsRamp

Client Lab1

Account Details

OpsRamp

Lab1

Account ID: 6545b27a-e5cd-4b7d-bfcc-c721c3863261

URL:

API Endpoint:

Account Created: Feb 20, 2025

NOTES

0

Integrations

Manage your integrations.

1 integrations

Collector Profiles

Manage your OpsRamp gateways

1 collector profiles

Credentials

Manage credentials for your discovery and monitoring, and to remotely access your infrastructure.

No credentials

Then click on the Integration and then ADD and choose SNMP

OpsRamp

Client Lab1

Installed Integrations

+ ADD

HPE Aruba Networking Central

1

+ ADD

OpsRamp

Client Lab1

Featured Integrations

Discover our top integrations for seamless connectivity with your favorite tools and enhanced IT management.

Redfish - Server

HPE SimpliVity

SNMP

HPE OneView

HPE Alletra MP/9000 Series

VMware

Aruba AirWave

Kubernetes

K3S

HPE Primera

Available Integrations

snmp

All Categories

SNMP

ADD

SNMP Traps Configuration

ADD

OpsRamp

Client Lab1

ADD SNMP

1 CONFIGURATION

2 SELECT COLLECTOR PROFILE

Configuration

Name

+ ADD

OpsRamp | Client Lab1 | ADD SNMP

1 CONFIGURATION 2 SELECT COLLECTOR PROFILE

Add Configuration

Name: SNMP-profile-1

Profile Type (Note: We support Cisco and Aruba WLAN Controllers only) *: SNMP Network Device

Credentials: Select credentials

CLI Credentials: Select credentials

Discovery Type: Iprange

IP Range: *

☐ Discovery only SNMP enabled devices

☐ Use CDP, LLDP

CANCEL ADD

Then from the drop down menu choose SNMP communities based on the SNMP versions (v1-3 are supported)

ADD CREDENTIAL

Credential Type: SNMP

Name: Branch1

Description:

Snmp Version: V1

Port: 161

Community: xxxxxxxxxxxxxxxxxxxx

Connection Timeout (ms): 1000

CANCEL ADD

Once you have configured the credentials click on the Add button to go back to the SNMP collect profile.

Add Configuration

BASIC INFORMATION

Name: SNMP-profile-1

Profile Type (Note: We support Cisco and Aruba WLAN Controllers only) *: SNMP Network Device

Credentials: branch1

CLI Credentials: Select credentials

Discovery Type: Iprange

IP Range: 192.168.1.0/24

CANCEL ADD

☒ Discovery only SNMP enabled devices

☒ Use CDP, LLDP

☒ Use OSPF

☒ Use BGP

☒ Use BRIDGE

☐ Use LOADBALANCER

☐ Use Reverse DNS lookup

☐ Discover VoIP phones

☐ Advanced Options

CUSTOM ATTRIBUTES

| Custom Attribute | Value |
|------------------|----------|
| Site ID | Branch-1 |

PERFORM ACTIONS

☒ Manage Device

FILTER BY QUERY

+ QUERY

DISCOVERY SCHEDULE

NONE

HOURLY

DAILY

WEEKLY

MONTHLY

Every 1 hours

CANCEL

ADD

There are couple of points to note

Once you add it you get the following screen.

SELECT COLLECTOR PROFILE

+ ADD

A collector is required to install this integration. Select from existing collector profiles or add a new one. [Learn more.](#)



CANCEL BACK FINISH

Installed Integrations

+ ADD All Categories

| | | | |
|------------------------------|--------------------|----------------------------|------------------|
| HPE Aruba Networking Central | DNS Response Probe | Linux OS - Agentless (SSH) | Linux Patch Feed |
| SNMP | VMware | Windows Patch Feed | |
| 1 + ADD | 1 + ADD | 1 + ADD | |

| <input type="checkbox"/> | Name | Collector Profile | Status | Added On | Updated On |
|--------------------------|-------------------------|--------------------|---------|-----------------------|----------------------|
| <input type="checkbox"/> | Branch-1-collector-SNMP | Branch-1-collector | RUNNING | Feb 21, 2025, 1:40 PM | Jun 9, 2025, 5:13 PM |

We can now start the discovery process by clicking on the highlighted SNMP profile.

DOCS X

CONFIGURATIONS

+ ADD

| <input type="checkbox"/> | Name | Discovery Status | Devices | Last Discovery Time | UID |
|--------------------------|----------------|------------------|---------|---------------------|---------------|
| <input type="checkbox"/> | SNMP-profile-1 | | 0 | - | ADAPTER-MANIF |

1 results | Rows: 20

- Edit
- Remove
- Discover
- View Logs

ADVANCED SETTINGS

Collector Profile

Branch-1-collector CHANGE

☐ Enable Global Policies

So by doing the discovery, the switch that will be discovered and its associated attributes will be synced with HPE Aruba Networking New Central using the custom attribute.

OpsRamp

Client Lab1

BRANCH-1-COLLECTOR-SNMP Installed by 217556-ariyap@hpe.com on Feb 21, 2025, 1:40 PM

DOCS

CONFIGURATIONS

✓ Action initiated successfully

+ ADD

| <input type="checkbox"/> | Name | Discovery Status | Devices | Last Discovery Time | UID | |
|--------------------------|----------------|------------------|---------|---------------------|---|---|
| <input type="checkbox"/> | SNMP-profile-1 | | 0 | - | ADAPTER-MANIFEST-85af8b44-6cae-410b-98d0-4d7e7ad55aaf | ⋮ |

1 results | Rows: 20 | Page 1 of 1

ADVANCED SETTINGS

Collector Profile

Branch-1-collector

CHANGE

☒ Enable Global Policies

DONE

Once you click on Done button, you are taken back to the following screen.

OpsRamp

Client Lab1

Dashboards

Infrastructure

Automation

Configuration Management

Command Center

Reports

Setup

< Installed Integrations

+ ADD

All Categories

⋮

HPE Aruba Networking Central

SNMP

1

+ ADD

| <input type="checkbox"/> | Name | Collector Profile | Status | Added On | Updated On | |
|--------------------------|----------------------------|--------------------|---------|-----------------------|-----------------------|---|
| <input type="checkbox"/> | SNMP ON Branch-1-collector | Branch-1-collector | RUNNING | Feb 21, 2025, 1:40 PM | Feb 21, 2025, 5:11 PM | ⋮ |

You can then navigate to Infrastructure-> Resources

OpsRamp

Client Lab1

Dashboards

Infrastructure

Automation

Configuration Management

Command Center

Reports

Setup

Network Device

1

0

0

0

1

Search Name / IP Address

Advanced Search

⚙

↺

| <input type="checkbox"/> | Name | Host Name | Resource Name | IP Address | Operating System | Notes | Last Updated (GMT) | Trails |
|--------------------------|--------------|--------------|---------------|---------------|------------------|-------|----------------------|--------|
| <input type="checkbox"/> | Cisco2960-E5 | Cisco2960-E5 | | 192.168.1.247 | ios | | 10/06/2025, 08:22:30 | ⋮ |

Gateway

1

Network Device

1

Endpoint

1

Discovered

1

At this point we are finished with the OpsRamp platform configuration.

5 Monitoring 3rd Party Switches in New Central

Now we should be able view the 3rd party switch in New Central. Remember that the component that stitches this visibility is that customer attribute that we configured and then added to SNMP profile of the client in OpsRamp. So when we go to the classic Central, the 3rd party switch is not even listed in the Branch-1 site.

The screenshot shows the HPE Aruba Central interface. On the left, there's a sidebar with 'Branch-1' selected. The main area displays 'SUMMARY STATISTICS' for the site. It shows 'LOCATION: 22 Bluff Street Hampton 3187', 'Timezone: AEDT - 5:36 PM', 'APS: 0', 'SWITCHES: 0', and 'GATEWAYS: 0'. The 'SWITCHES: 0' is highlighted in yellow.

This is because this functionality is only for New Central. So now that we go to New Central we see it listed in Branch-1 Site.

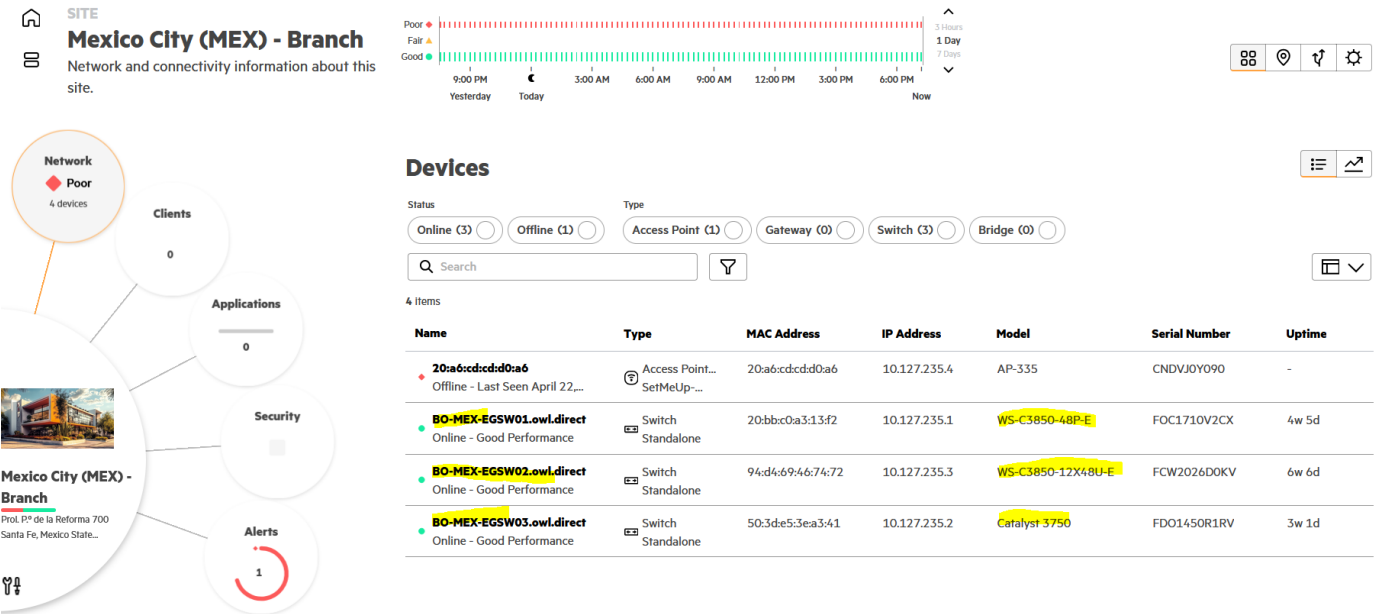
The screenshot shows the 'Devices' section in HPE Aruba Central. It displays a list of devices for 'Branch-1'. The table has columns: Name, Type, MAC Address, IP Address, Model, Serial Number, and Uptime. One device is listed: 'Cisco2960-ES' (Switch Standalone) with MAC Address '00:21:1cbd:33:c3', IP Address '192.168.1.247', Model 'C2960-LANBASEK9-M', and Serial Number 'FOC1218Z0NC'. The device status is 'Online - Good'.

When the switch is click we get more information about it as shown below.

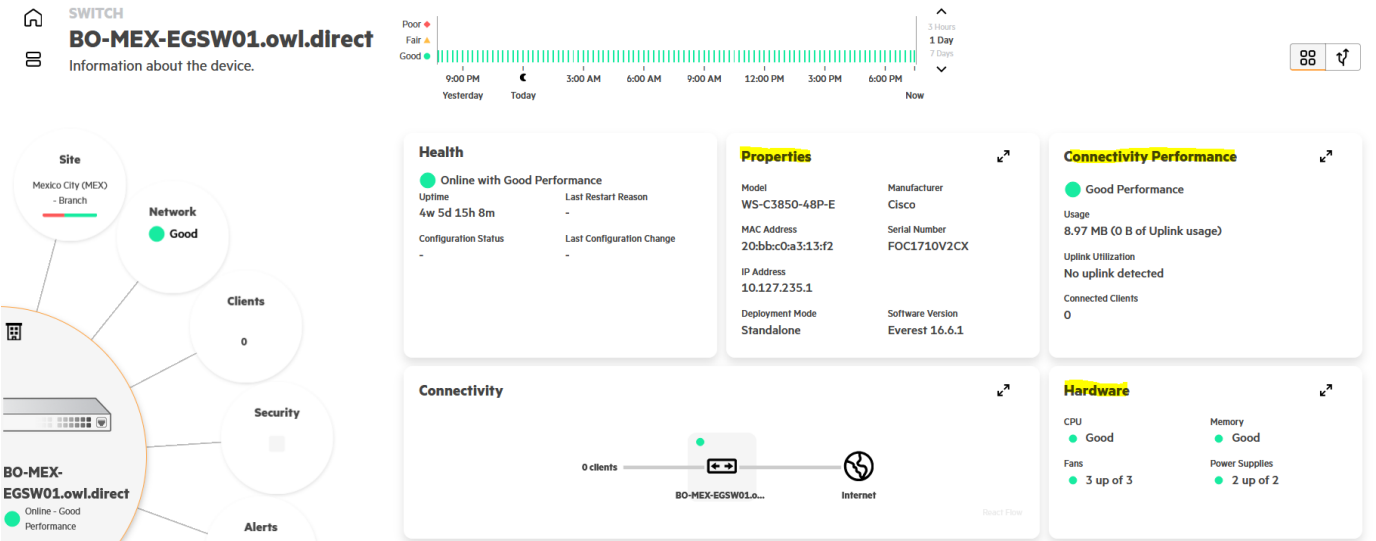
The screenshot shows the detailed view of the 'Cisco2960-ES' device. It includes a 'Health' section showing 'Online with Good Performance' and 'Uptime 14m 33s'. A 'Properties' section lists details like Model, Manufacturer, MAC Address, IP Address, and Software Version. A 'Connectivity Performance' section shows 'Good Performance' and 'Usage 0 B (0 B of Uplink usage)'. A 'Hardware' section shows 'CPU Good', 'Memory Good', 'Fans 1 up of 1', and 'Power Supplies 1 up of 1'. A 'Connectivity' diagram shows the device connected to '0 clients' and the 'Internet'.

The sync period between OpsRamp and New Central for State/topology is hourly and for statistics, events and alerts is every 5 minutes.

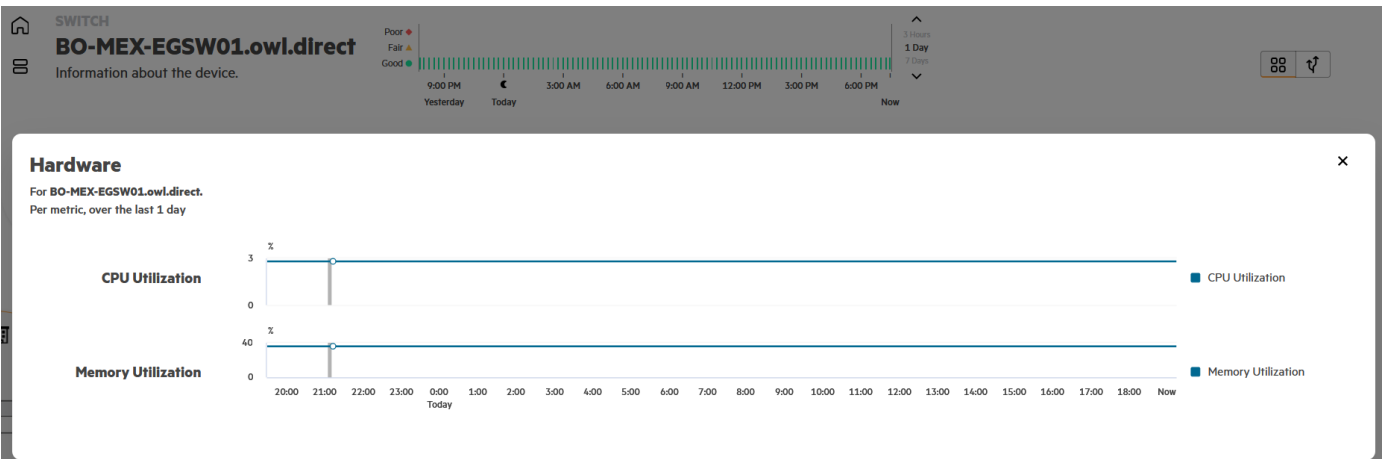
Here are other 3rd party switches that were also added.



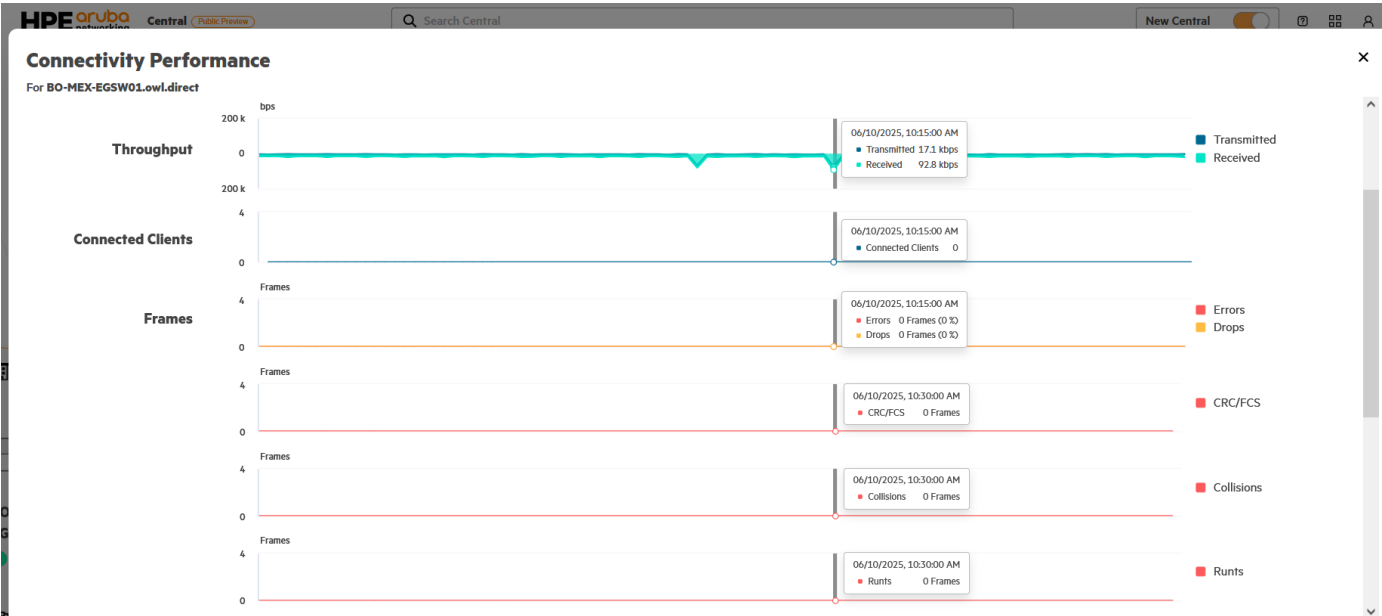
Checking out the first switch



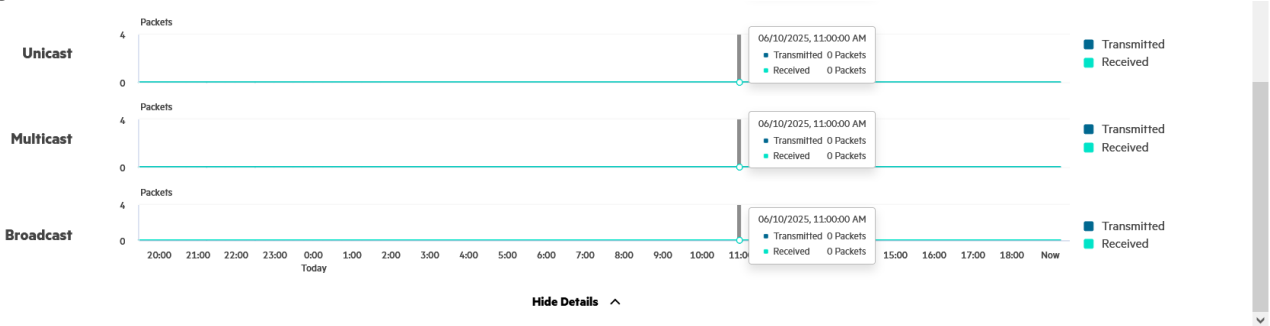
Checking the Hardware card



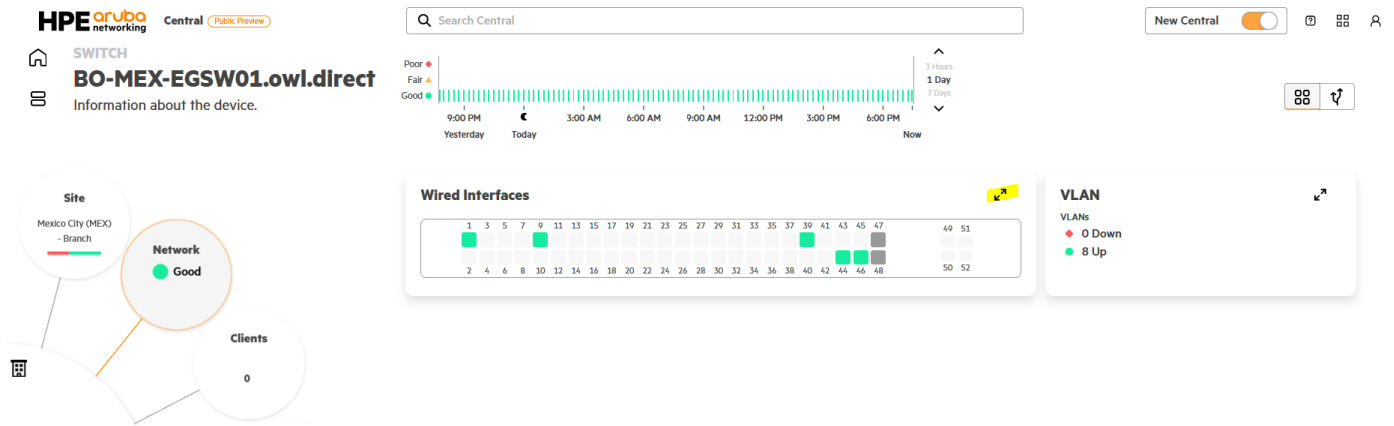
The connectivity Performance



You also get the unicast, Multicast and Broadcast levels.



You can also get the faceplate of the switch by selecting the Network planet



And then expanding it

