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# Monitoring HPE: Aruba Networking Central

HPE: Aruba Networking Central PowerPack version 100

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# Chapter

# 2

## Introduction

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### Overview

This manual describes how to monitor HPE: Aruba Networking Central devices in Skylar One using the Dynamic Applications in the "HPE: Aruba Networking Central" PowerPack.

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## What Does the HPE: Aruba Networking Central PowerPack Monitor?

This PowerPack enables you to align Dynamic Applications to HPE: Aruba Networking Central devices to collect data. To monitor HPE: Aruba Networking Central devices using Skylar One, you can install the "HPE: Aruba Networking Central" PowerPack.

The "HPE: Aruba Networking Central" PowerPack includes:

- Dynamic Applications that discover and collect data from HPE: Aruba Networking Central access points, SD-WAN gateways, and switches.
- Event policies and corresponding alerts that are triggered when HPE: Aruba Networking Central devices meet certain status criteria.
- A universal credential and guided discovery workflow for discovering HPE: Aruba Networking Central devices.

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## Installing the HPE: Aruba Networking Central PowerPack

Before completing the steps in this manual, you must import and install the latest version of the "HPE: Aruba Networking 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 section on [Global Settings](#).

**NOTE:** For details on upgrading Skylar One, see the relevant [Skylar One Platform Release Notes](#).

To download and install the PowerPack:

1. Search for and download the PowerPack from the **PowerPacks** page at the [ScienceLogic Support Center](#) (Skylar One > PowerPacks, login required).
2. In Skylar One, go to the **PowerPacks** page (System > Manage > PowerPacks).
3. Click the **[Actions]** button and choose *Import PowerPack*. The **Import PowerPack** dialog box appears.
4. Click **[Browse]** and navigate to the PowerPack file from step 1.
5. Select the PowerPack file and click **[Import]**. The **PowerPack Installer** modal displays a list of the PowerPack contents.
6. Click **[Install]**. The PowerPack is added to the **PowerPacks** page.

**NOTE:** If you exit the **PowerPack Installer** modal without installing the imported PowerPack, the imported PowerPack will not appear in the **PowerPacks** 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*.

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# Chapter

# 3

## Configuring HPE: Aruba Networking Central Monitoring

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### Overview

This manual describes how to monitor HPE: Aruba Networking Central devices in Skylar One using the Dynamic Applications in the "HPE: Aruba Networking Central" PowerPack.

This chapter covers the following topics:

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### Configuring a Universal Credential for HPE: Aruba Networking Central

To define a universal credential to access HPE: Aruba Networking Central:

1. Go to the **Credentials** page (Manage > Credentials).
2. Click **[Create New]** and select *Hpe: aruba networking central Credential*. The **Create Credential**

modal page appears.

3. Supply values in the following fields:

- **Name.** Type a name for your credential.
- **All Organizations.** Toggle on (blue) to align the credential to all organizations, or toggle off (gray) and then select one or more specific organizations from the **What organization manages this service?** drop-down field to align the credential with those specific organizations.
- **Timeout (ms).** Keep the default value of 1500.
- **Client ID.** Enter your application's client ID.
- **Client Secret.** Enter your application's client secret.
- **URL.** Type the URL and port for the HPE: Aruba Networking Central system, using the following format: *https://Host:Port/Path*.
- **Authentication Failure Retry Time (seconds).** Keep the default value of 60.

#### Proxy Settings

Toggle on this field if you are using a proxy server to communicate with your HPE: Aruba Networking Central account, and then enter the values in the fields listed below:

- **Proxy scheme type.** Select *http* or *https* from the drop-down field.
- **Proxy Hostname/IP.** Enter the hostname or the IP address associated with your device.
- **Proxy Port.** Enter the port number for the proxy server.
- **Proxy User.** Enter the username for the proxy server.
- **Proxy Password.** Enter the password for the proxy server.

4. Click **[Save & Close]**.

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## HPE: Aruba Networking Central Guided Discovery

You can use the Guided Discovery Framework process in Skylar One to guide you through a variety of existing discovery types in addition to traditional SNMP discovery. This process, which is also called "guided discovery", lets you choose a discovery type based on the type of devices you want to monitor. The Guided Discovery workflow includes a button for HPE: Aruba Networking Central.

To run a Guided Discovery:

1. On the **Devices** page () or the **Discovery Sessions** page (Devices > Discovery Sessions), click the **[Add Devices]** button. The **Select** page appears.
2. Select the **[HPE Aruba Networking]** button. Additional information about the requirements for device discovery appears in the **General Information** pane to the right.
3. Click **[Select]**. The **Credential Selection** page appears.

**NOTE:** During the guided discovery process, you cannot click **[Next]** until the required fields are filled on the page, nor can you skip to future steps. However, you can revisit previous steps that you have already completed.

4. On the **Credential Selection** page of the guided discovery process, select the HPE: Aruba Networking Central universal credential that you configured previously, and then click **[Next]**. The **Root Device Details** page appears.
5. Complete the following fields:
  - **Root Device Name.** Type the name of the root device for the HPE: Aruba Networking Central root device you want to monitor.
  - **Select the organization to add discovered devices to.** Select the name of the organization to which you want to add the discovered device.
  - **Collector Group Name.** Select an existing collector group to communicate with the discovered device. This field is required.
6. Click **[Next]**. Skylar One creates the HPE: Aruba Networking Central root device with the appropriate device class assigned to it and aligns the relevant Dynamic Applications. The **Final Summary** page appears.
7. Click **[Close]**.

**TIP:** This PowerPack uses the snippet framework in order to function. Not all values returned in an API call in a Dynamic Application may have a collection object. For more information about how collections can be modified, added, or deleted using the snippet framework, see the [Snippet Framework](#) documentation.

**NOTE:** The results of a guided discovery do not display on the **Discovery Sessions** page (Devices > Discovery Sessions).

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## Creating a HPE: Aruba Networking Central Virtual Device

Because the HPE: Aruba Networking Central service does not have a static IP address, you cannot discover a HPE: Aruba Networking Central device using discovery unless you use guided discovery. Instead, you must create a **virtual device** that represents the HPE: Aruba Networking Central service. A virtual device is a user-defined container that represents a device or service that cannot be discovered by Skylar One. You can use the virtual device to store information gathered by policies or Dynamic Applications.

To create a virtual device that represents your HPE: Aruba Networking Central service:

1. Go to the **Device Manager** page (Devices > Classic Devices, or Registry > Devices > Device Manager in the classic user interface).
2. Click the **[Actions]** button and select *Create Virtual Device* from the menu. The **Virtual Device** modal page appears.
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 Networking| Central Controller*.
  - **Collector.** Select the collector group that will monitor the device.
4. Click **[Add]** to create the virtual device.

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## Aligning Dynamic Applications to the Virtual Device

After creating the HPE: Aruba Networking Central virtual device, you must manually align the "HPE: Aruba Network Central Site Discovery" Dynamic Application to the HPE: Aruba Networking Central virtual device.

To manually align the "HPE: Aruba Network Central Site Discovery" Dynamic Application in the Skylar One classic user interface:

1. Go to the **Device Manager** page (Devices > Classic Devices, or Registry > Devices > Device Manager in the classic user interface).
2. Click the wrench icon () for your HPE: Aruba Networking Central virtual device.
3. In the **Device Administration** panel, click the **[Collections]** tab. The **Dynamic Application Collections** page appears.
4. Click the **[Actions]** button and select *Add Dynamic Application* from the menu.
5. In the **Dynamic Application Alignment** window, from the **Dynamic Applications** field, select the "HPE: Aruba Network Central Site Discovery" Dynamic Application.
6. In the **Credentials** field, select the universal credential you created previously.
7. Click **[Save]** to align the Dynamic Application with the HPE: Aruba Networking Central virtual device.

After aligning the "HPE: Aruba Network Central Site Discovery" Dynamic Application, your HPE: Aruba Networking Central component devices will be discovered and classified.



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## Viewing Information About the HPE: Aruba Networking Central System

You can view your HPE: Aruba Networking Central devices in the following places in the user interface:

- The **[Map]** tab of the **Device Investigator** for a selected device on the **Devices** page displays a map of that 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 Skylar One. 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 a HPE: Aruba Networking Central device, find the device and click its plus icon (+)
- The **Classic Maps** page (Maps > Classic Maps) allows you to view devices by root node and view the relationships between root nodes, parent components, and child components in a map. From this page, go to Device Maps > Component to easily visualize and manage root nodes and their components. Skylar One automatically updates the **Classic Maps** as new component devices are discovered. The platform also updates each map with the latest status and event information. To view the map for a HPE: Aruba Networking Central device, go to the **Classic Maps** page and select the map from the list in the left NavBar. To learn more about the **Classic Maps** page, see the **Maps** manual.

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