Monitoring Cisco HyperFlex

Beta Version

Cisco: HyperFlex PowerPack version 101

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Chapter 1

Overview

Introduction

This manual describes how to use the *Cisco: Hyperflex* PowerPack to monitor Cisco HyperFlex data clusters in the ScienceLogic platform.

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What Does the Cisco: Hyperflex PowerPack Monitor?

To monitor HyperFlex data clusters using the ScienceLogic platform, you must install the *Cisco: Hyperflex* PowerPack. This PowerPack enables you to discover, model, and collect data about HyperFlex data clusters.

The *Cisco: Hyperflex* PowerPack includes:

- An example credential you can use to create SOAP/XML credentials to connect to HyperFlex data clusters
- Dynamic Applications to discover and monitor HyperFlex data clusters
- A Device Class for HyperFlex data clusters
- Event Policies and corresponding alerts that are triggered when HyperFlex data clusters meet certain status

criteria

- A Run Book Action and Policy to ensure that HyperFlex devices are classified to the appropriate Device Class

Installing the Cisco: Hyperflex PowerPack

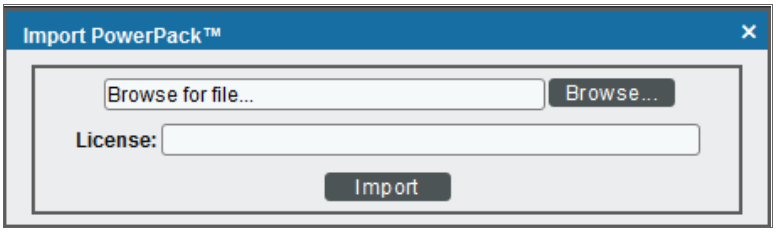
Before completing the steps in this manual, you must import and install version 101 of the *Cisco: Hyperflex* PowerPack.

NOTE: To install version 101 of the *Cisco: Hyperflex* PowerPack, your ScienceLogic system must be upgraded to the 8.1.0 or later release.

To download and install a PowerPack:

TIP: By default, installing a new version of a PowerPack overwrites all content in 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.)

1. Download the PowerPack from the ScienceLogic Customer Portal.
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:



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

NOTE: If you exit the **PowerPack Installer** modal page 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 page. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

Chapter 2

Discovering Cisco HyperFlex

Overview

The following sections describe how to configure and discover Cisco HyperFlex data clusters for monitoring by the ScienceLogic platform using the *Cisco: Hyperflex* PowerPack:

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Prerequisites

Before performing the tasks in this chapter, you must have the following information about the HyperFlex data clusters that you want to monitor:

- IP addresses for the voice mailboxes
- SNMP community strings for the voice mailboxes

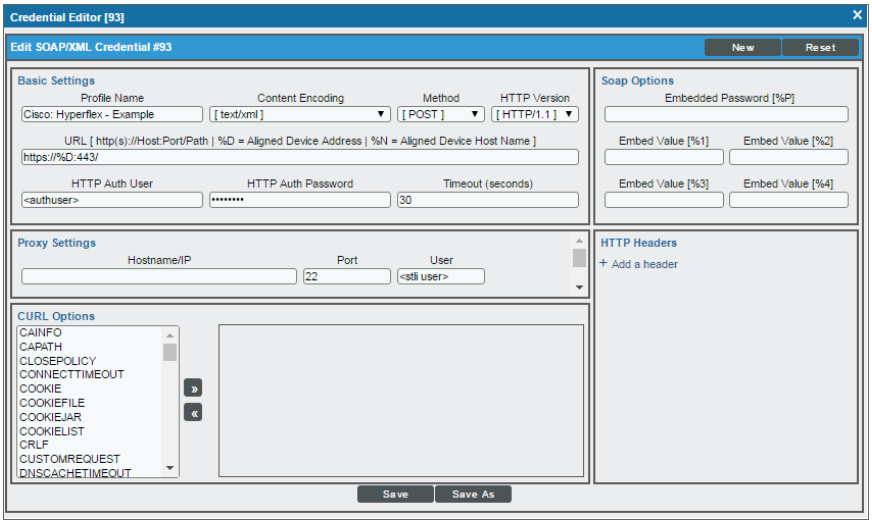
Creating a SOAP/XML Credential for Cisco HyperFlex

To configure the ScienceLogic platform to monitor Cisco HyperFlex, you must first create a SOAP/XML credential. This credential allows the platform (specifically, the Dynamic Applications in the *Cisco: HyperFlex* PowerPack) to connect with HyperFlex devices. An example SOAP/XML credential that you can edit for your own use is included in the *Cisco: HyperFlex* PowerPack.

To configure a SOAP/XML credential to access HyperFlex devices:

1. Go to the **Credential Management** page (System > Manage > Credentials).

2. Locate the sample credential included in the *Cisco: HyperFlex* PowerPack, called **Cisco: HyperFlex - Example**, then click its wrench icon ( ).
3. Enter values in the following fields:



Basic Settings

- ***Profile Name***. Enter a new name for the HyperFlex credential.
- ***Content Encoding***. Select *text/xml*.
- ***Method***. Select *POST*.
- ***HTTP Version***. Select *HTTP/1.1*.
- ***URL***. Keep the default value.
- ***HTTP Auth User***. Enter the username for a user with administrative access to the HyperFlex devices.
- ***HTTP Auth Password***. Enter the HyperFlex administrator user's password.

Proxy Settings

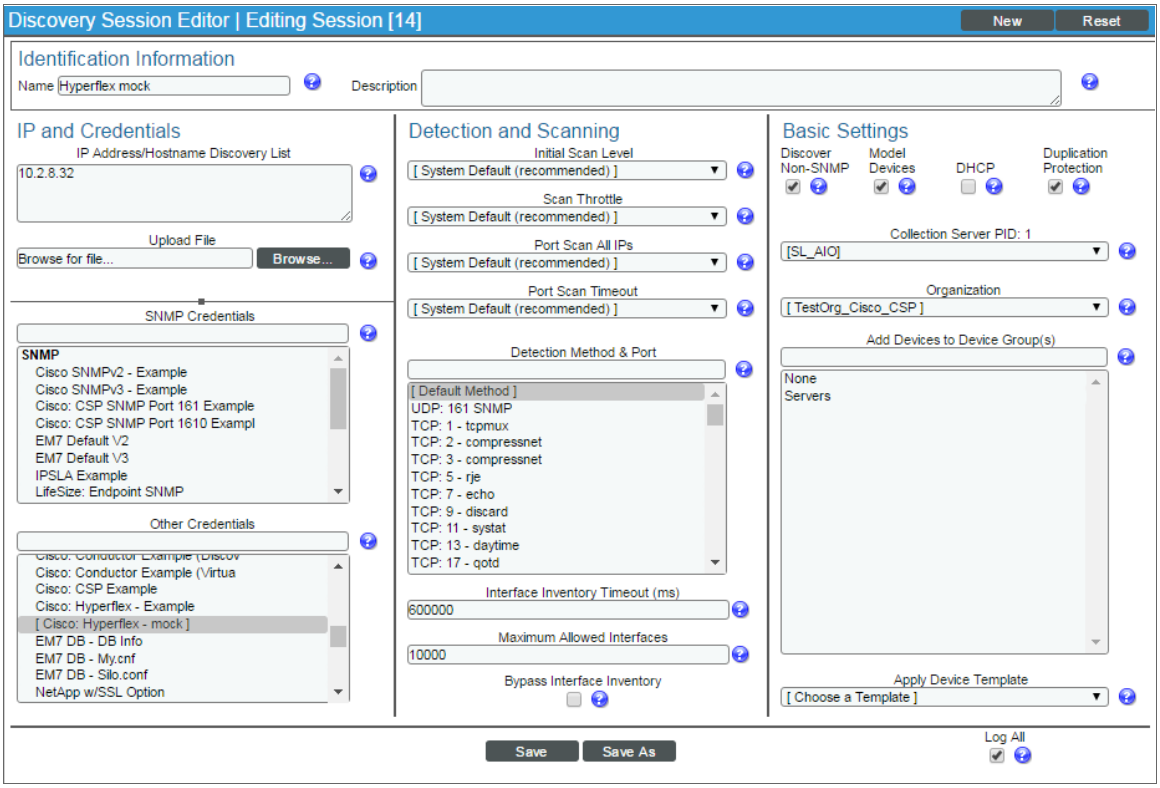
- ***Hostname/IP***. Leave this field blank.
- ***Port***. Keep the default value.
- ***User***. Enter the SSH username for the HyperFlex device(s).
- ***Password***. Enter the SSH password for the HyperFlex device(s).

4. Click **[Save As]**.
5. In the confirmation message, click **[OK]**.

Discovering Cisco HyperFlex Devices

To create and run a discovery session that will discover Cisco HyperFlex devices, perform the following steps:

1. Go to the **Discovery Control Panel** page (System > Manage > Discovery).
2. Click the **[Create]** button to create a new discovery session. The **Discovery Session Editor** page appears:



3. Enter values in the following fields:
   - ***IP Address Discovery List***. Enter the IP address(es) for the Cisco HyperFlex device(s) you want to discover.
   - ***SNMP Credential***. Select the *SOAP/XML credential that you created for Cisco HyperFlex*.
   - ***Discover Non-SNMP***. Select this checkbox.
4. You can enter values in the other fields on this page, but are not required to and can simply accept the default values. For more information about the other fields on this page, see the ***Discovery and Credentials*** manual.
5. Click **[Save]** and then close the **Discovery Session Editor** window.
6. The discovery session you created appears at the top of the **Discovery Control Panel** page. Click its lightning bolt icon ( ) to run the discovery session.

7. The **Discovery Session** window appears.
8. When the Cisco HyperFlex data cluster is discovered, click its device icon ( ) to view its **Device Properties** page.

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