ScienceLogic

Monitoring Cisco Unified Computing System Standalone Rack Servers

Cisco: UCS Standalone Rack Server PowerPack Version 101

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Chapter 1

Introduction to Monitoring Cisco UCS Standalone Rack Servers

Overview

This manual describes how to configure the ScienceLogic platform to monitor Cisco Unified Computing System (UCS) standalone rack servers.

NOTE: ScienceLogic provides this documentation for the convenience of ScienceLogic customers. Some of the configuration information contained herein pertains to third-party vendor software that is subject to change without notice to ScienceLogic. ScienceLogic makes every attempt to maintain accurate technical information and cannot be held responsible for defects or changes in third-party vendor software. There is no written or implied guarantee that information contained herein will work for all third-party variants. See the End User License Agreement (EULA) for more information.

Prerequisites

Before performing the steps listed in this manual, you must know the username and password for a web service user on the Cisco UCS standalone rack servers you want to monitor.

What Does the Cisco: UCS Standalone Rack Server PowerPack Monitor?

To monitor Cisco UCS standalone rack servers using the ScienceLogic platform, you must install the *Cisco: UCS Standalone Rack Server* PowerPack. This PowerPack includes:

- An example credential that you can use as a template to create SOAP/XML credentials to connect to the Cisco UCS standalone rack servers you want to monitor
- Dynamic Applications to discover, model, and monitor performance metrics and collect configuration data for Cisco UCS standalone rack servers.
- Device Classes for each of the Cisco UCS standalone rack servers the ScienceLogic platform monitors
- Event Policies and corresponding alerts that are triggered when Cisco UCS standalone rack servers meet certain status criteria
- A Device Template that you can apply during discovery to align Dynamic Applications to the appropriate Device Classes
- A Device Dashboard that displays information about Cisco UCS standalone rack servers

Installing the Cisco: UCS Standalone Rack Server PowerPack

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

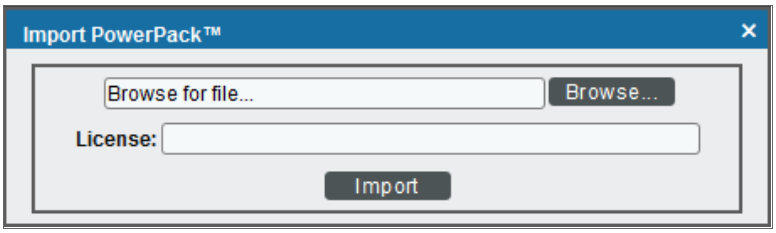
NOTE: To install version 101 of the *Cisco: UCS Standalone Rack Server* PowerPack, your ScienceLogic system must be upgraded to the 7.8.3 or later release. The Dynamic Applications in version 101 of the *Cisco: UCS Standalone Rack Server* PowerPack support Cisco UCS C-Series Rack Servers running firmware version 2.0 or later.

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

Monitoring Cisco UCS Standalone Rack Servers

Overview

This chapter describes how to:

- *Create a SOAP/XML credential for a Cisco UCS standalone rack server*
- *Discover a Cisco UCS standalone rack server in the ScienceLogic platform*

Configuring a SOAP/XML Credential

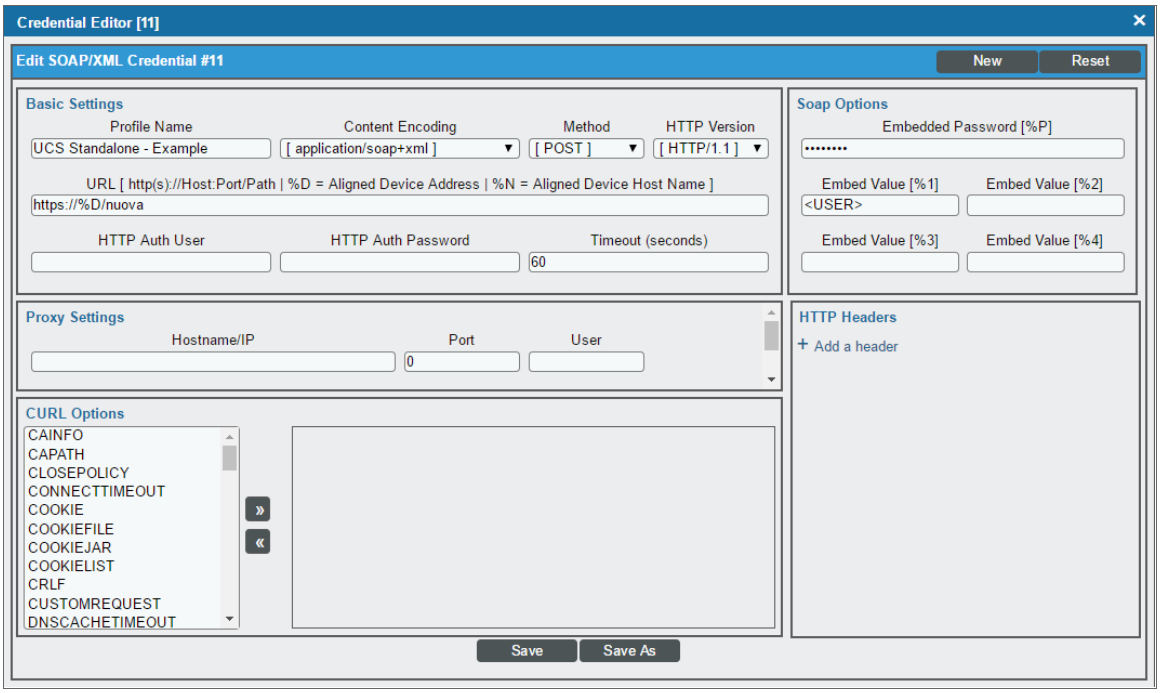
To use the Dynamic Applications in the *Cisco: UCS Standalone Rack Server* PowerPack, you must configure a SOAP/XML credential for the UCS web service.

The PowerPack includes an example SOAP/XML credential that you can edit for your own use.

To do so:

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

2. Locate the **UCS Standalone - Example** credential and click its wrench icon (). The **Edit SOAP/XML Credential** modal page appears.



3. Supply values in the following fields:

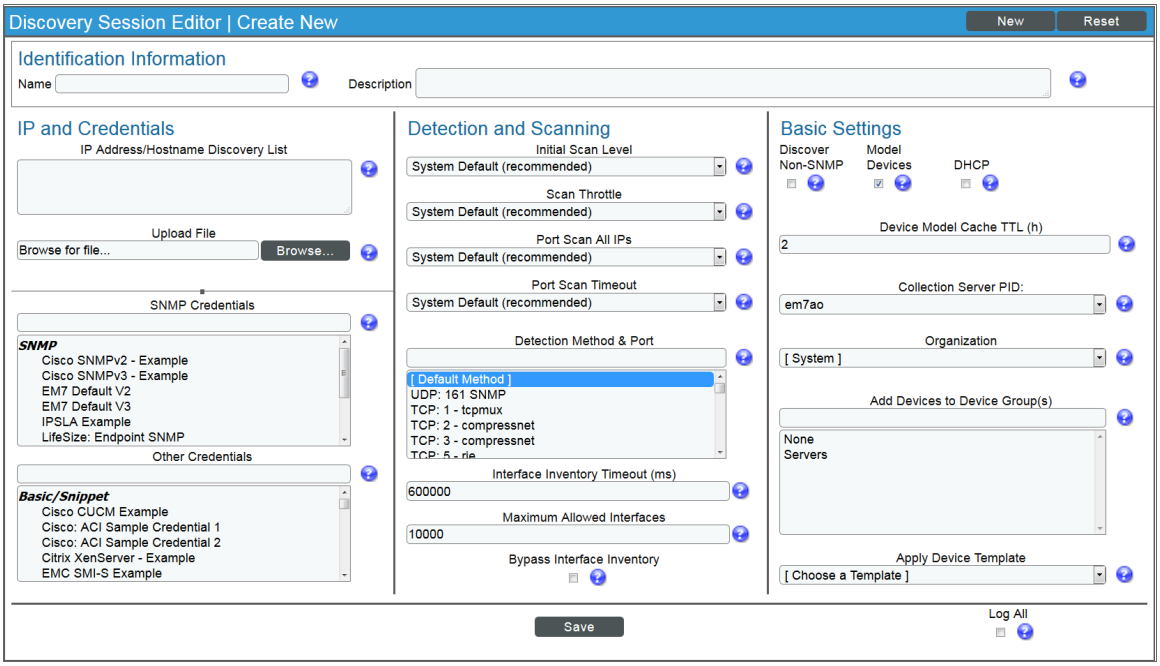
   - ***Profile Name***. Type a name for the credential.
   - ***URL***. Type "https://%D/nuova".
   - ***Embed Value [%1]***. Type the username for a web service user on your UCS Rack Server.
   - ***Embedded Password [%P]***. Type the password for the user account on your UCS Rack Server.

4. Click the **[Save As]** button.

Discovering a UCS Rack Server

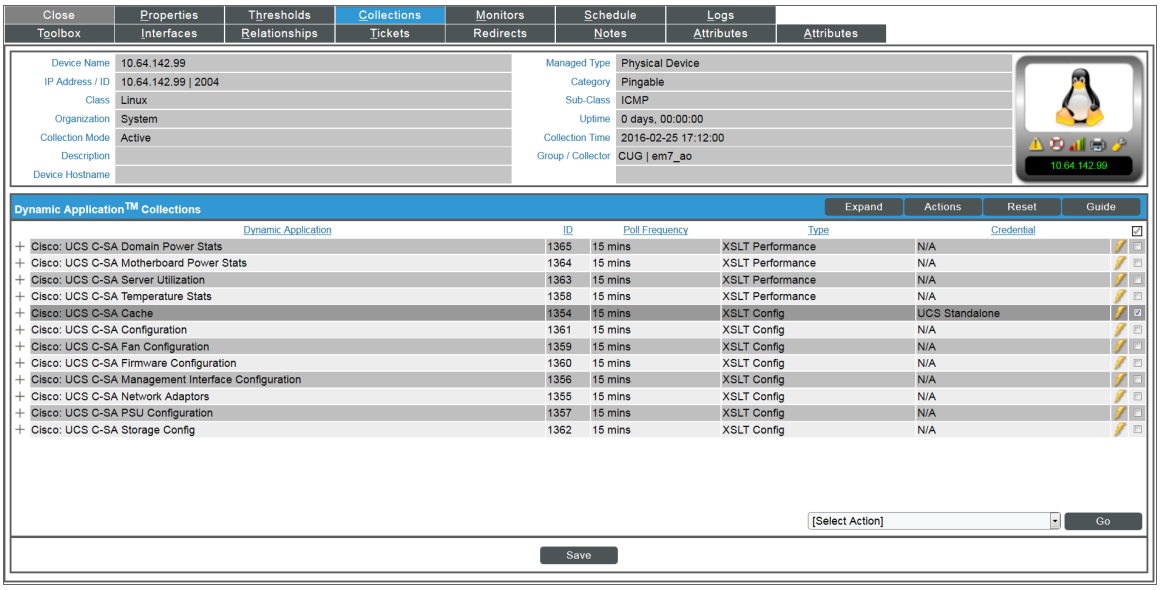
To create and run a discovery session that will discover a UCS Rack Server, perform the following steps:

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** window appears:



3. Supply values in the following fields:
   - ***IP Address Discovery List***. Type the IP address for the UCS Rack Server.
   - ***SNMP Credentials***. If SNMP is enabled on your UCS Rack Server, select the appropriate SNMP credential.
   - ***Initial Scan Level***. Select *5. Deep Discovery*.
   - ***Detection Method & Port***. Select *443 - HTTPS*. You can select additional ports, but you must include port 443 - HTTPS.
   - ***Discover Non-SNMP***. Select this checkbox.
   - ***Apply Device Template***. Select *Cisco: UCS Standalone Template*.
4. Optionally, you can supply values in the other fields on this page. For more information about the other fields on this page, see the ***Discovery & Credentials*** manual.
5. Click the **[Save]** button and then close the **Discovery Session Editor** window.

6. The discovery session you created displays 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. When the UCS Rack Server is discovered, click its device icon ( ) to view the **Device Properties** page for the UCS Rack Server server.
8. Click the **[Collections]** tab. The **Dynamic Application Collections** page appears:



9. Select the checkbox for the *Cisco: UCS C-SA Cache* Dynamic Application.
10. In the **Select Action** drop-down list, locate the *Assign SOAP/XML* section and select the credential you *created in the previous section*.
11. Click the **[Go]** button.

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