



Monitoring Cisco Unified Computing System (UCS) Director

Cisco: UCS Director PowerPack version 105

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Chapter



1

Introduction

Overview

This manual describes how to monitor Cisco UCS Director devices in SL1 using the Dynamic Application in the *Cisco: UCS Director PowerPack*.

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon (.
- To view a page containing all of the menu options, click the Advanced menu icon ().

The following sections provide an overview of Cisco UCS Director and the *Cisco: UCS Director PowerPack*:

This chapter covers the following topics:

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What Does the *Cisco: UCS Director PowerPack* Monitor?

The Dynamic Applications in the *Cisco: UCS Director PowerPack* can monitor performance metrics and/or collect configuration data for the following UCS Director components:

- ACI Applications
- ACI Tenants
- Application Containers
- Cloud Services
- Pods
- Servers
- Sites

Installing the Cisco UCS DirectorPowerPack

Before completing the steps to this manual, you must import and install the latest version of the Cisco: *UCS Director 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 **System Administration** manual.)

IMPORTANT: The minimum required MySQL version is 5.6.0.

To download and install the PowerPack:

1. Search for and download the PowerPack from the **PowerPacks** page (Product Downloads > PowerPacks & SyncPacks) at the [ScienceLogic Support Site](#).
2. In SL1, 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*.



Chapter

2

Configuration and Discovery

Overview

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon ().
- To view a page containing all of the menu options, click the Advanced menu icon ().

The following sections describe how to configure and discover Cisco UCS Director devices for monitoring by SL1 using the Cisco: *UCS Director* PowerPack:

This chapter covers the following topics:

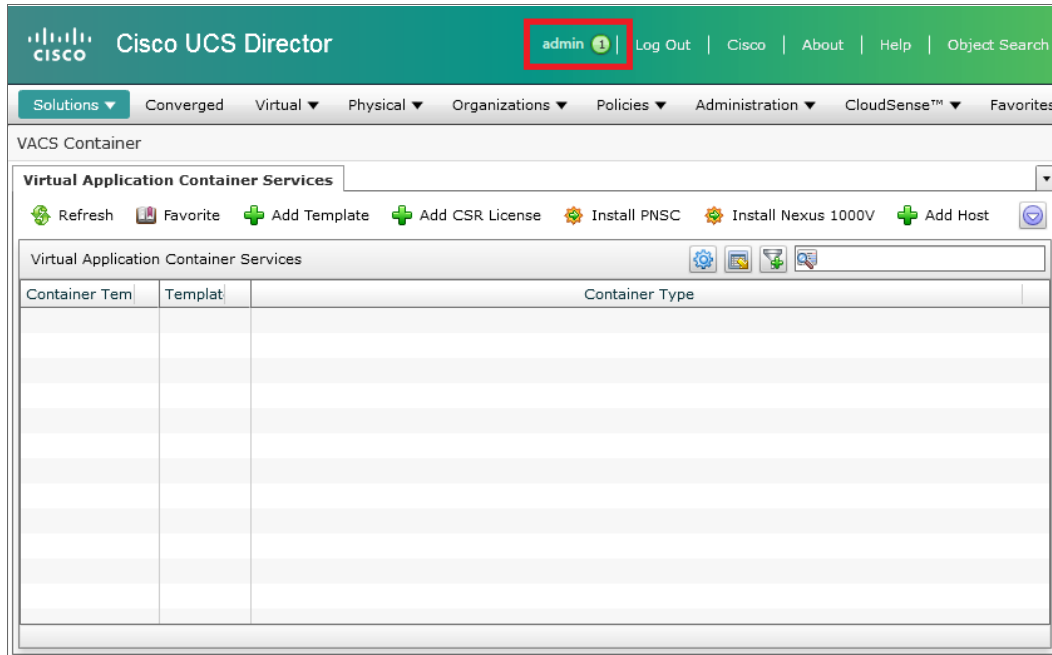
<i>Copying the REST API Access Key for a UCS Director Account</i>	6
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Copying the REST API Access Key for a UCS Director Account

When *configuring the Basic/Snippet credential* that SL1 uses to discover and monitor UCS Director, you must include the REST API Access Key for a UCS Director administrator user account as the credential password.

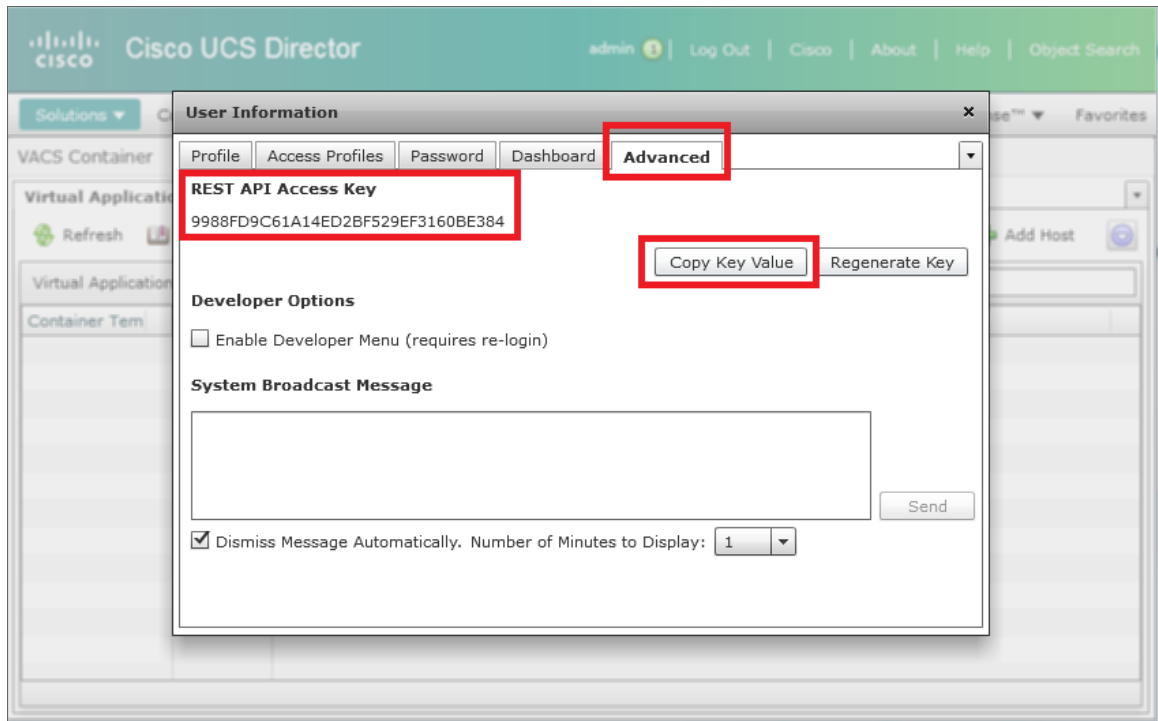
To locate and copy the REST API Access Key:

1. Log in to UCS Director as an administrator, and then click the username at the top of the page.



2. The **User Information** modal page appears. Click the **[Advanced]** tab.

3. Click the [Copy Key Value] button to copy the REST API Access Key.



Configuring a UCS Director Credential

To configure SL1 to monitor UCS Director, you must first create a Basic/Snippet credential. This credential allows the Dynamic Applications in the *Cisco: UCS Director PowerPack* to connect with a UCS Director server. An example Basic/Snippet credential that you can edit for your own use is included in the *Cisco: UCS Director PowerPack*.



To create a Basic/Snippet credential to access a UCS Director server:

1. Go to the **Credential Management** page (System > Manage > Credentials).
2. Locate the **UCS Director - Example** credential, then click its wrench icon (🔧). The **Edit Basic/Snippet Credential** modal page appears.
3. Enter values in the following fields:
 - **Credential Name**. Enter a new name for the UCS Director credential.
 - **Hostname/IP**. Enter "http://%D".
 - **Port**. Enter "80".
 - **Timeout**. Enter "60000".
 - **Username**. Keep the default value.

- **Password.** Enter the REST API Access Key that you located in the section [Copying the REST API Access Key for a UCS Director Account](#).
4. Click the **[Save As]** button.
 5. When the confirmation message appears, click **[OK]**.

Discovering UCS Director

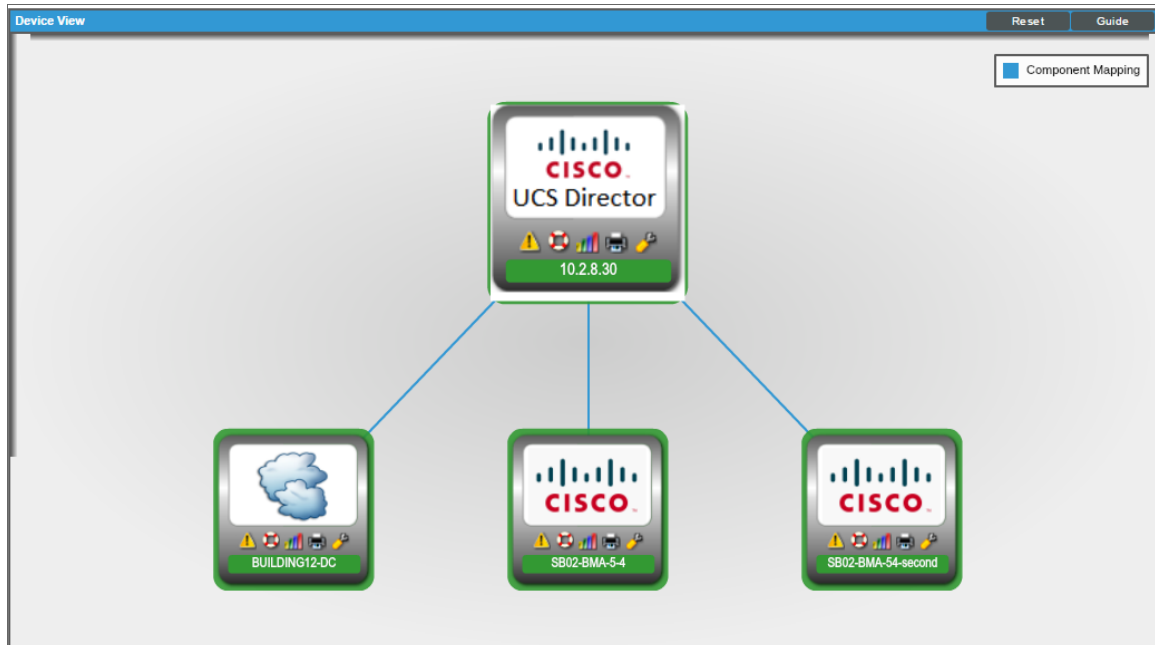
To create and run a discovery session that will discover UCS Director, perform the following steps:

1. Go to the **Discovery Control Panel** page (System > Manage > Classic Discovery).
2. Click the **[Create]** button to create a new discovery session. The **Discovery Session Editor** window appears.
3. Edit the following fields in the **Discovery Session Editor** window:
 - **Name.** Enter a name for the discovery session.
 - **IP Address/Hostname Discovery List.** Enter the IP address for UCS Director.
 - **Other Credentials.** Select the [Basic/Snippet credential that you created for UCS Director](#).
 - **Discover Non-SNMP.** Select this checkbox.
4. Optionally, you can enter 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 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. When UCS Director is discovered, click its device icon () to view the **Device Properties** page for the UCS Director server.

Viewing UCS Director Component Devices

In addition to the **Device Manager** page (Registry > Devices > Device Manager), you can view UCS Director component devices in the following places in the user interface:

- The **Device View** modal page displays a map of a particular device and all of the devices with which it has parent-child relationships. Double-clicking any of the devices listed reloads the page to make the selected device the primary device:



- The **Device Components** page (Registry > Devices > Device Components) displays a list of all root devices and component devices discovered by SL1 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 UCS Director, find the UCS Director device and click its plus icon (+):

Device Components Devices Found [3]											Actions	Reset	Guide
	Device Name	IP Address	Device Category	Device Class Sub-class	DID	Organization	Current State	Collection Group	Collection State				
1. -	10.2.8.30	10.2.8.30	Servers	Cisco Systems UCS Director	165	System	Healthy	CUG	Active				
1. -	BUILDING12-DC	--	Servers	Cisco Systems Site	166	System	Healthy	CUG	Active				
1. -	HyperFLEX	--	Servers	Cisco Systems Pod	170	System	Minor	CUG	Active				
1. -	HFLEX_UCSD01	--	Infrastructure	Cisco Systems ACI Tenant	173	System	Healthy	CUG	Active				
2. -	HFLEX_USD02	--	Infrastructure	Cisco Systems ACI Tenant	171	System	Healthy	CUG	Active				
1. -	ConExt3	--	Infrastructure	Cisco Systems ACI Application	175	System	Major	CUG	Unavailable				
2. -	LBoutC	--	Infrastructure	Cisco Systems ACI Application	176	System	Healthy	CUG	Active				
3. -	TenantZ	--	Infrastructure	Cisco Systems ACI Tenant	172	System	Healthy	CUG	Active				
1. -	ContZ	--	Infrastructure	Cisco Systems ACI Application	174	System	Healthy	CUG	Active				
2. -	SB02-POD2-Test	--	Servers	Cisco Systems Pod	169	System	Healthy	CUG	User-Disabled				
2. -	SB02-BMA-S-4	--	Servers	Cisco Systems Bare Metal Server	167	System	Healthy	CUG	Active				
3. -	SB02-BMA-S4-second	--	Servers	Cisco Systems Bare Metal Server	168	System	Major	CUG	Active				
2. +	FakeUCSD	--	Infrastructure	Cisco Systems ACI Tenant	95	System	Minor	CUG	Active				
3. +	ucsd	198.18.133.112	Servers	Cisco Systems UCS Director	130	System	Major	CUG	Unavailable				

[Select Action] Go

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