



Monitoring Cisco UCS Director

Beta Version

Cisco: UCS Director PowerPack version 103

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Introduction to Monitoring Cisco UCS Director

Overview

This manual describes how to monitor Cisco UCS Director in the ScienceLogic platform.

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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

Configuring Cisco UCS Director Monitoring

Overview

This chapter describes how to configure a credential in the ScienceLogic platform to monitor Cisco UCS Director and how to discover and view UCS Director component devices. It details the following processes:

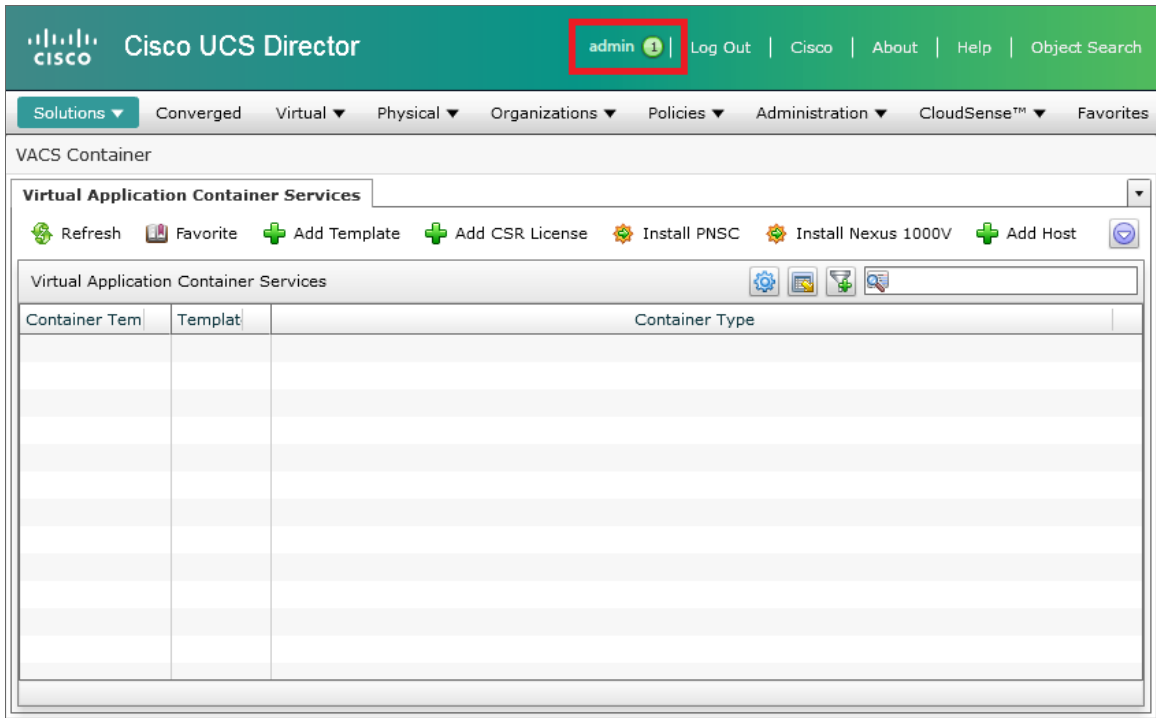
- [Copying the REST API Access Key for a UCS Director Account](#)
- [Configuring a UCS Director Credential](#)
- [Discovering UCS Director](#)
- [Viewing UCS Director Component Devices](#)

Copying the REST API Access Key for a UCS Director Account

When [configuring the Basic/Snippet credential](#) that the ScienceLogic platform 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.

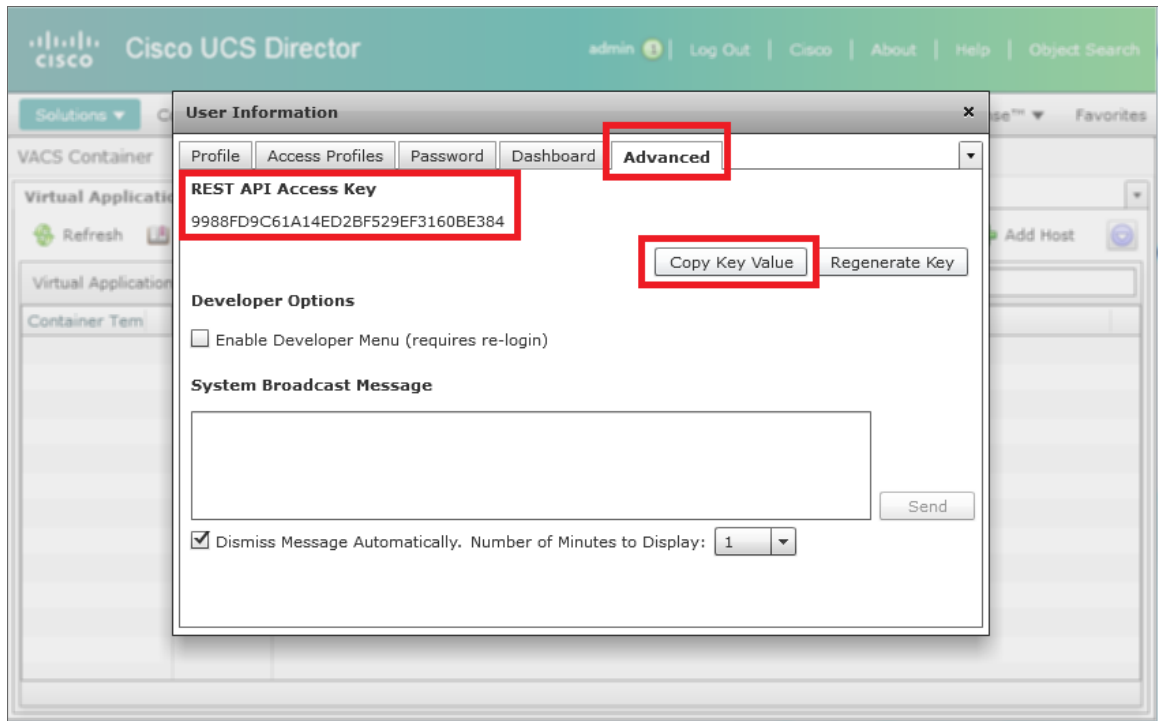
To locate and copy the REST API Access Key:

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.



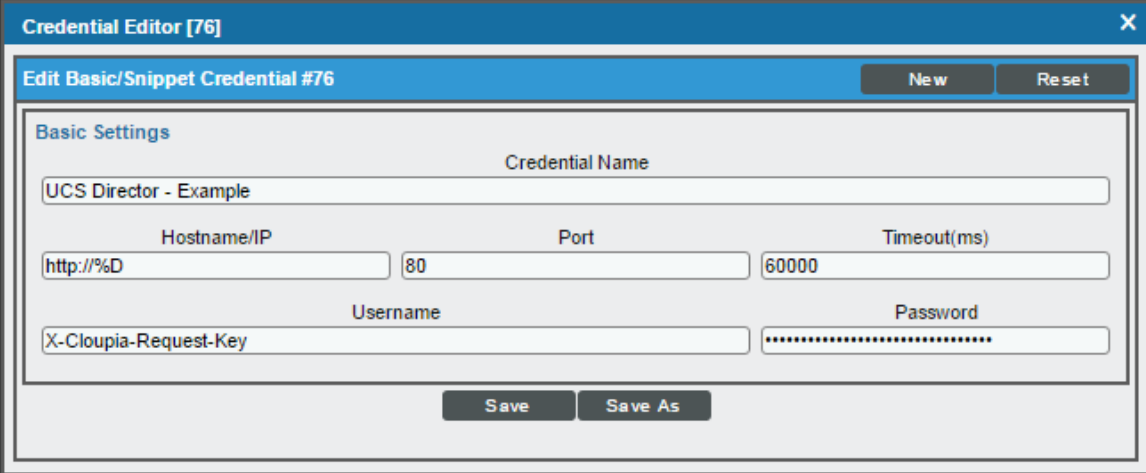
Configuring a UCS Director Credential

To configure the ScienceLogic platform to monitor UCS Director, you must first create a Basic/Snippet credential. This credential allows the platform (specifically, 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:



The screenshot shows a window titled "Credential Editor [76]". Inside, there's a sub-header "Edit Basic/Snippet Credential #76" with "New" and "Reset" buttons. The main area is labeled "Basic Settings" and contains several input fields: "Credential Name" (with "UCS Director - Example" entered), "Hostname/IP" (with "http://%D" entered), "Port" (with "80" entered), "Timeout(ms)" (with "60000" entered), "Username" (with "X-Cloupia-Request-Key" entered), and "Password" (with a masked password of dots). At the bottom are "Save" and "Save As" buttons.

- **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](#).

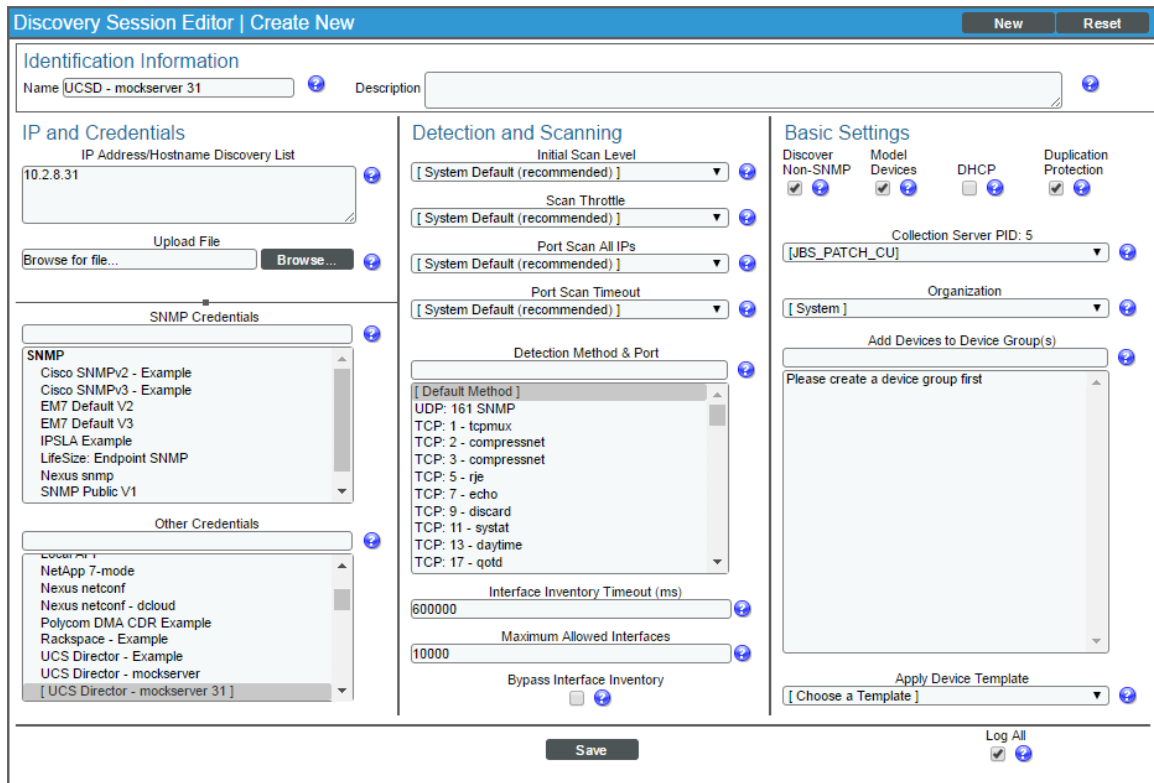
4. Click the **[Save As]** button.
5. When the confirmation message appears, click **[OK]**.



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 > Discovery).

- Click the **[Create]** button to create a new discovery session. The **Discovery Session Editor** window appears:

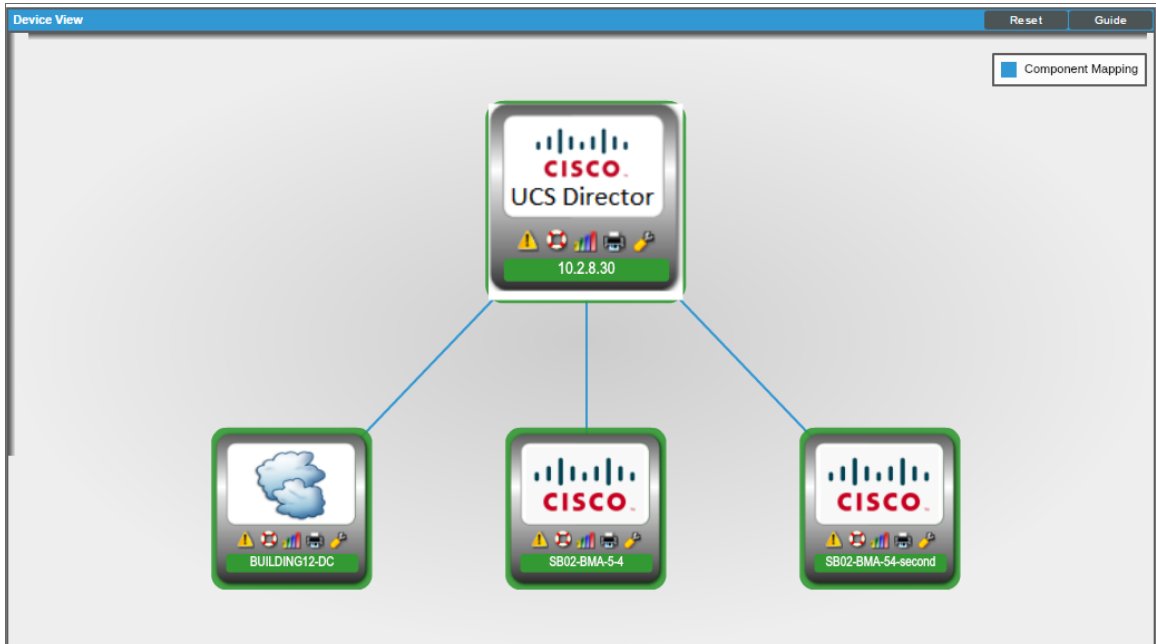


- Edit the following fields in the **Discovery Session Editor** window:
 - Name.** Enter a name for the discovery session.
 - IP Address/Hostname Discovery List.** Enter the IP address for UCS Director.
 - Other Credentials.** Select the *Basic/Snippet credential that you created for UCS Director*.
 - Discover Non-SNMP.** Select this checkbox.
- 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.
- Click the **[Save]** button and then close the **Discovery Session Editor** window.
- 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.
- 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:

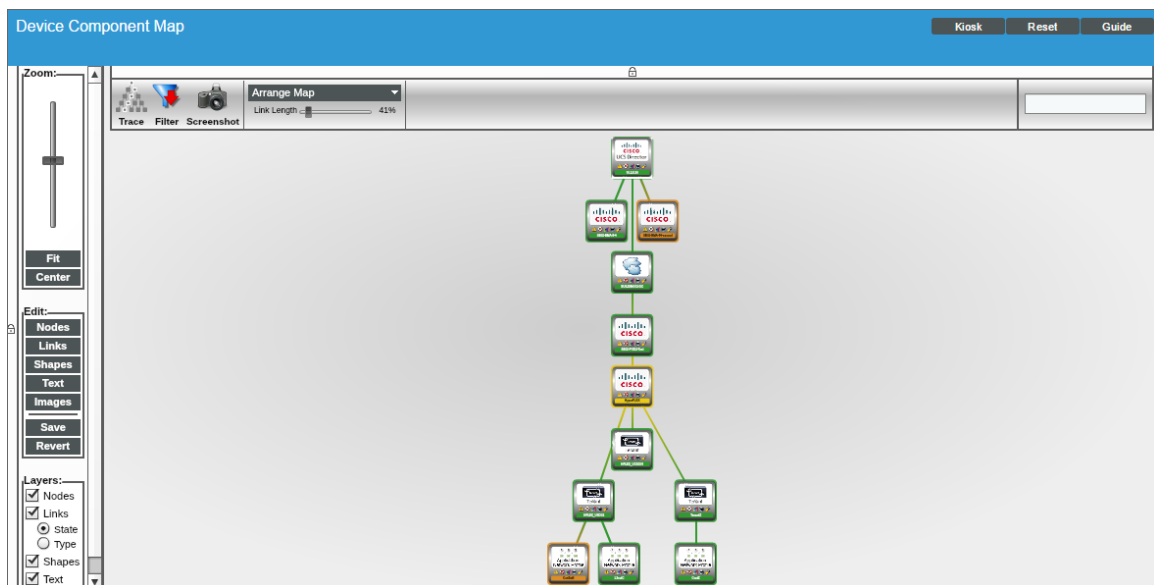
- The **Device View** modal page displays a map of a particular device and all of the devices with which it has parent-child relationships. Double-clicking any of the devices listed reloads the page to make the selected device the primary device:



- The **Device Components** page (Registry > Devices > Device Components) displays a list of all root devices and component devices discovered by the ScienceLogic platform 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					
10.2.8.30	10.2.8.30	Servers	Cisco Systems UCS Director	165	System	Healthy	CUG	Active					
BUILDING12-DC	--	Servers	Cisco Systems Site	166	System	Healthy	CUG	Active					
HyperFLEX	--	Servers	Cisco Systems Pod	170	System	Minor	CUG	Active					
HFLEX_UCSD01	--	Infrastructure	Cisco Systems ACI Tenant	173	System	Healthy	CUG	Active					
HFLEX_USD02	--	Infrastructure	Cisco Systems ACI Tenant	171	System	Healthy	CUG	Active					
ConExt3	--	Infrastructure	Cisco Systems ACI Application	175	System	Major	CUG	Unavailable					
L3outC	--	Infrastructure	Cisco Systems ACI Application	176	System	Healthy	CUG	Active					
TenantZ	--	Infrastructure	Cisco Systems ACI Tenant	172	System	Healthy	CUG	Active					
ContZ	--	Infrastructure	Cisco Systems ACI Application	174	System	Healthy	CUG	Active					
SB02-POD2-Test	--	Servers	Cisco Systems Pod	169	System	Healthy	CUG	User-Disabled					
SB02-BMA-5-4	--	Servers	Cisco Systems Bare Metal Server	167	System	Healthy	CUG	Active					
SB02-BMA-54-second	--	Servers	Cisco Systems Bare Metal Server	168	System	Major	CUG	Active					
FakeUCSD	--	Infrastructure	Cisco Systems ACI Tenant	95	System	Minor	CUG	Active					
ucsd	198.18.133.112	Servers	Cisco Systems UCS Director	130	System	Major	CUG	Unavailable					

- The **Component Map** page (Views > Device Maps > Components) allows you to view devices by root node and view the relationships between root nodes, parent components, and child components in a map. This makes it easy to visualize and manage root nodes and their components. The ScienceLogic platform automatically updates the **Component Map** as new component devices are discovered. The platform also updates each map with the latest status and event information. To view the map for UCS Director, go to the **Component Map** page and select the map from the list in the left NavBar. To learn more about the **Component Map** page, see the **Views** manual.



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