Monitoring Cisco Tetration Analytics

Beta Version

Cisco: Tetration PowerPack version 101

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Chapter 1

Introduction

Overview

This manual describes how to monitor Cisco Tetration Analytics using the the ScienceLogic platform.

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What is Cisco Tetration Analytics?

Cisco Tetration Analytics provides complete visibility into data center applications. It uses unsupervised machine learning techniques to generate application behavior insights and automated white-list policies for granular segmentation.

What Does the Cisco: Tetration PowerPack Monitor?

To monitor Tetration Analytics using the ScienceLogic platform, you must install the *Cisco: Tetration* PowerPack. This PowerPack includes:

- A sample credential you can use to create credentials to connect to Tetration Analytics clusters
- Dynamic Applications to discover, model, and collect configuration data for Tetration Analytics clusters and component devices
- Device Classes for each of the Tetration Analytics components the ScienceLogic platform monitors

Installing the Cisco: Tetration PowerPack

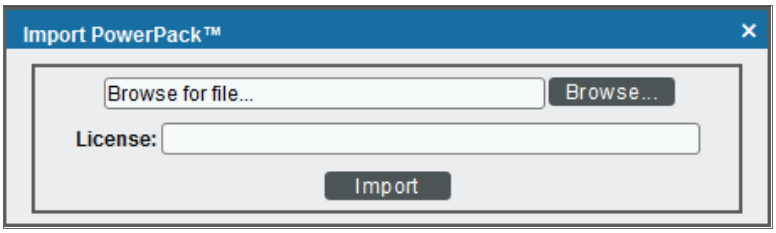
Before completing the steps in this manual, you must import and install version 101 of the *Cisco: Tetration* PowerPack.

NOTE: To install version 101 of the *Cisco: Tetration* 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

Configuring Cisco Tetration Analytics Monitoring

Overview

The following sections describe how to configure and discover Cisco Tetration Analytics devices for monitoring using the *Cisco: Tetration* PowerPack:

- *Configuring Cisco Tetration Analytics for Monitoring*
- *Creating a Basic/Snippet Credential for Cisco Tetration Analytics*
- *Discovering Cisco Tetration Analytics Devices*
- *Viewing Cisco Tetration Analytics Component Devices*

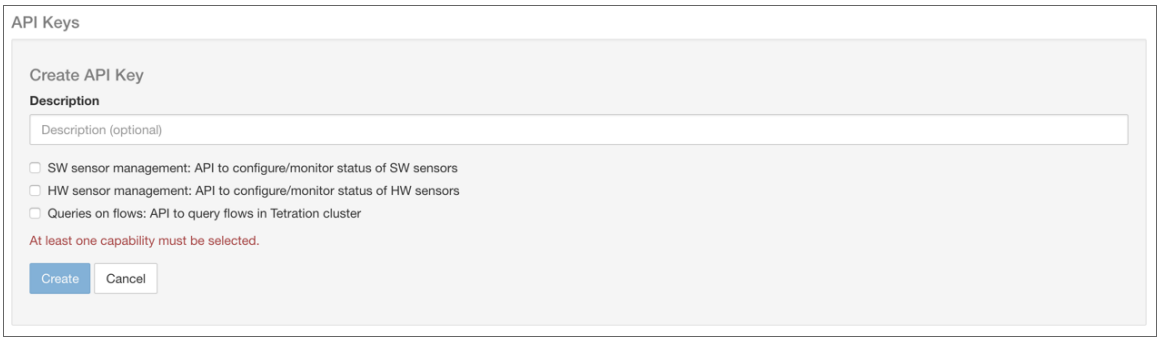
Configuring Cisco Tetration Analytics for Monitoring

Before you can use the ScienceLogic platform to monitor Cisco Tetration Analytics, you must first generate a Tetration Analytics API key and secret password. You will then use this API key and secret password to *create a Basic/Snippet credential* that enables the platform to communicate with and monitor Tetration Analytics clusters.

To configure Cisco Tetration Analytics for monitoring:

1. Log in to the Cisco Tetration Analytics web interface with a **site_admin** or **customer_support** account.
2. Go to **Settings > API Keys**, and then click **[Create API Key]**.

3. Type a ***Description*** and select the checkbox of the appropriate API key capability.



4. Click **[Create]**.
5. The API key appears. Copy and save the key value.

NOTE: API keys are visible only to the user that created them.

6. The secret password appears. Copy and save the password value.

WARNING: The secret password value appears only once and cannot be recovered. If you forget or lose the password value, you must generate a new API key with a different password value.

Creating a Basic/Snippet Credential for Cisco Tetration Analytics

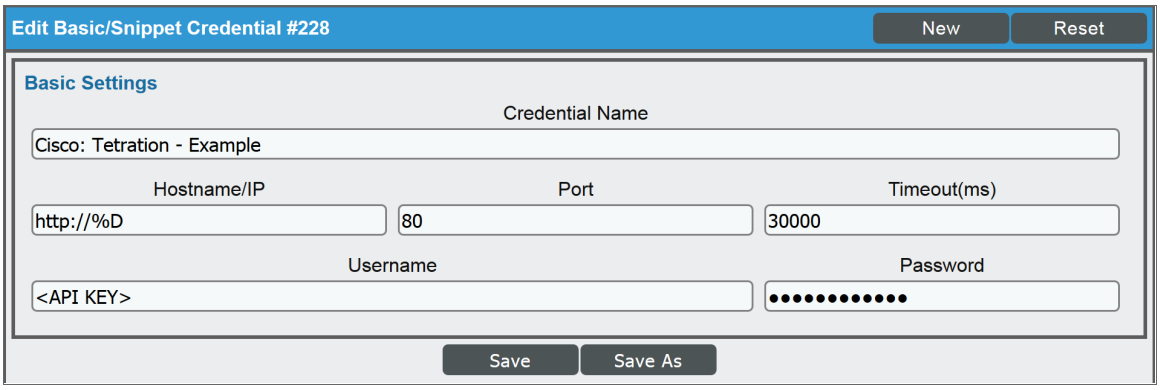
To monitor Cisco Tetration Analytics in the ScienceLogic platform, you must configure a Basic/Snippet credential that the platform can use to discover and communicate with Tetration Analytics clusters.

The *Cisco: Tetration* PowerPack includes an example credential (*Cisco: Tetration - Example*) that you can use to create a Basic/Snippet credential for monitoring Tetration Analytics.

To configure a credential for Cisco Tetration Analytics:

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

2. Click the wrench icon ( ) for *Cisco: Tetration - Example*. The **Credential Editor** page appears:



3. Supply values in the following fields:
   - ***Credential Name***. Type a new name for the credential.
   - ***Hostname/IP***. Type "http://%D".
   - ***Username***. Type the Tetration Analytics API key *you previously generated*.
   - ***Password***. Type the Tetration Analytics API secret password you previously generated.
4. Click the **[Save As]** button.

Discovering Cisco Tetration Analytics Devices

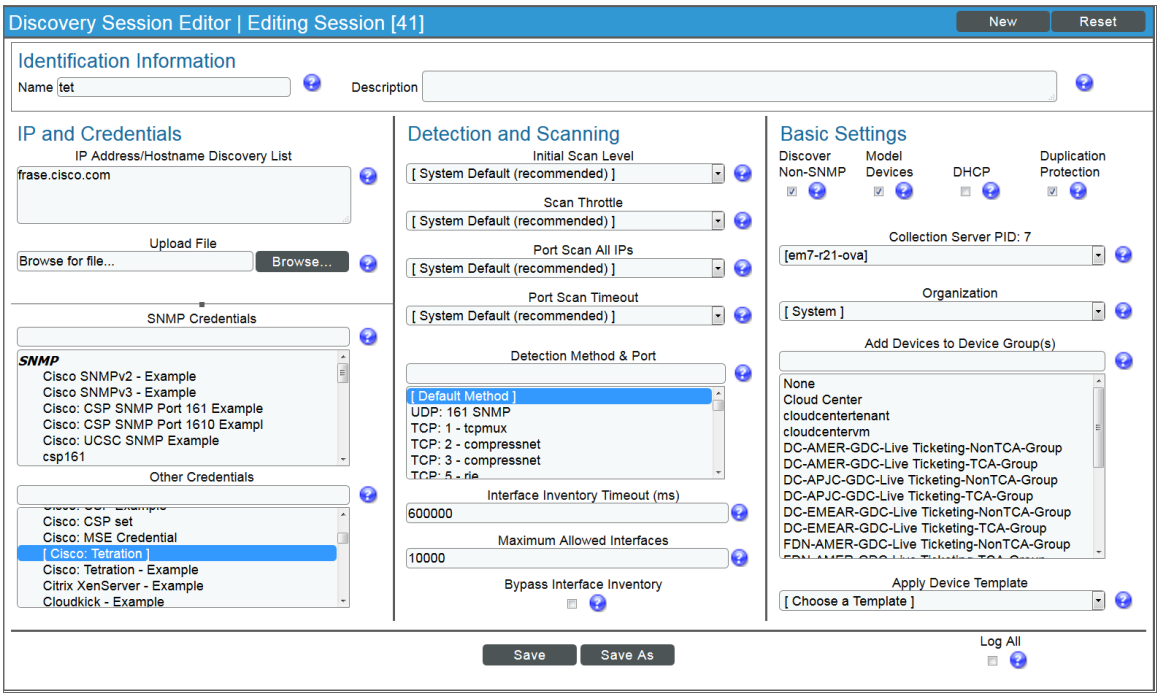
To monitor Cisco Tetration Analytics devices, you must run a discovery session to discover the Tetration Analytics clusters that the ScienceLogic platform will use as the root devices for monitoring the devices.

Several minutes after the discovery session has completed, the Dynamic Applications in the *Cisco: Tetration* PowerPack should automatically align to the cluster root devices and then discover, model, and monitor the remaining component devices.

To discover the Tetration Analytics clusters that you want to monitor:

1. Go to the **Discovery Control Panel** page (System > Manage > Discovery).
2. In the **Discovery Control Panel**, click the **[Create]** button. The **Discovery Session Editor** page appears.

3. In the **Discovery Session Editor** page, define values in the following fields:



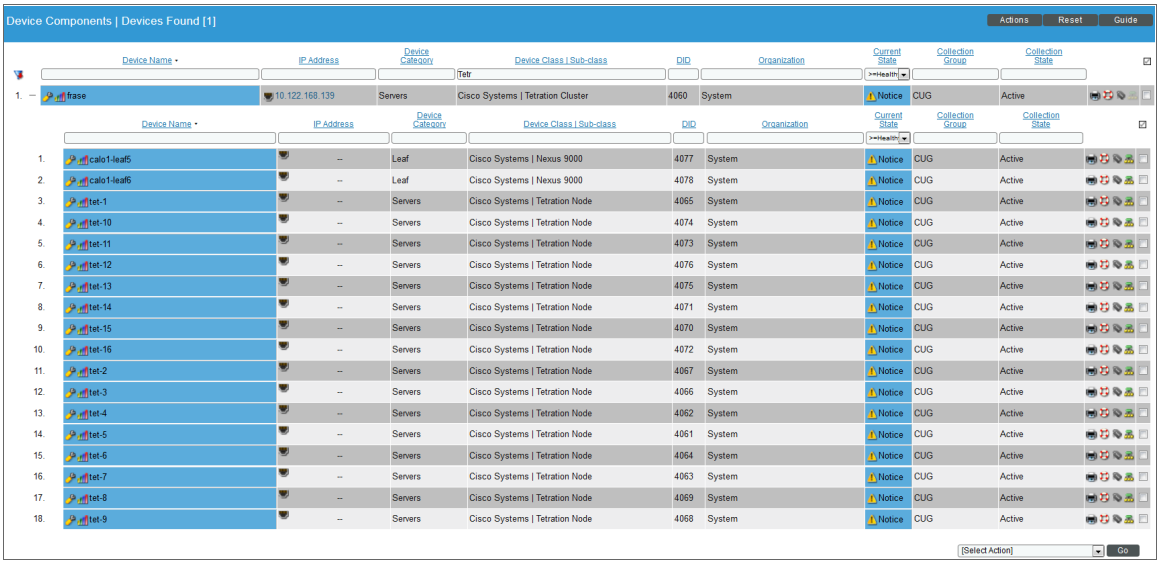
- ***IP Address/Hostname Discovery List***. Enter the IP address(es) or hostname(s) for the cluster root device(s) you want to discover.
- ***Other Credentials***. Select the *Basic/Snippet credential you created* for the device clusters.
- ***Discover Non-SNMP***. Select this checkbox.

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 to save the discovery session 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 the cluster root device(s) are discovered, you can click the device icon ( ) to view the **Device Properties** page for each device.

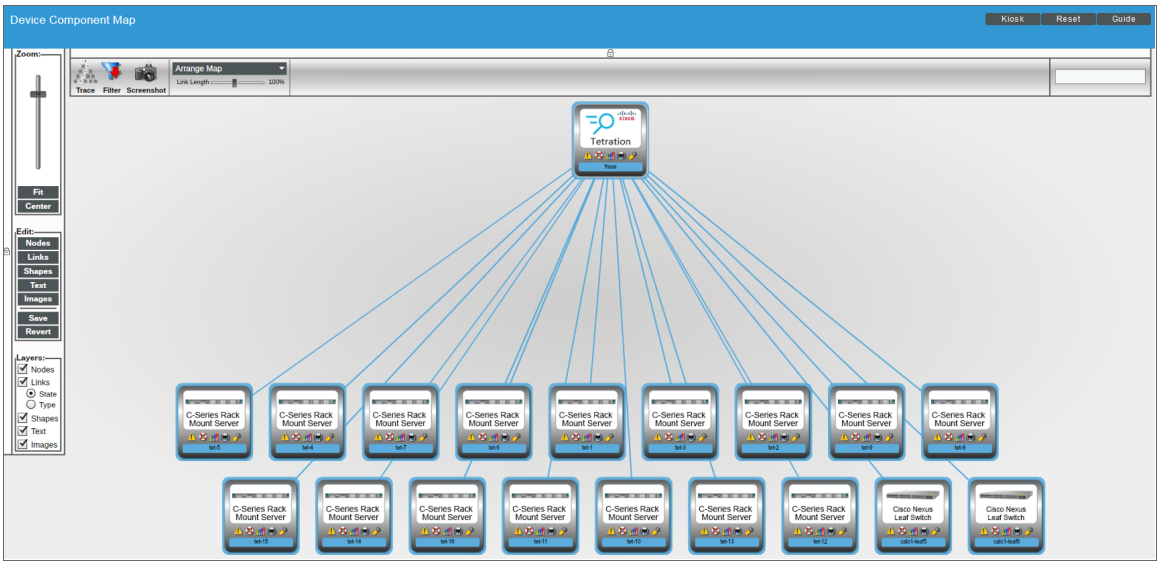
Viewing Cisco Tetration Analytics Component Devices

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

- The **Device View** modal page (click the bar-graph icon [] for a device, then click the **Topology** tab) 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 Tetration Analytics component devices, find the Tetration Analytics cluster device and click its plus icon (+):



- 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, 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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