



Cisco ACI: SL1 Dashboards PowerPack Release Notes

Version 100

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Overview

Version 100 is the initial version of the *Cisco ACI: SL1 Dashboards PowerPack*. Version 100 includes Dashboards that present graphical representations of the configuration data and performance metrics that are collected for ACI devices by the *Cisco: ACI PowerPack*.

NOTE: These dashboards are intended for use only in the new user interface for SL1 and will not load in the classic ScienceLogic platform user interface.

- **Minimum Required SL1 Version:** 8.8.0
- **Minimum Required AP2 Version:** 5.114.6
- **Minimum Required Widget Components Version:** 2.168.10
- **Minimum Required Cisco: ACI PowerPack Version:** 106
- **Support Status:** Beta

This document describes:

- [Pre-install information](#)
- [The installation process for the PowerPack](#)
- [The features included in version 100](#)
- [The known issues in Version 100](#)

Before You Install

Before installing the *Cisco ACI: SL1 Dashboards PowerPack* version 100, you must first ensure that you are running version 8.8.0 or later of SL1, AP2 version 5.114.6 or later, and Widget Components version 2.168.10 or later.

NOTE: For details on upgrading SL1, see the appropriate SL1 [Release Notes](#).

You must also import and install the *Cisco: ACI PowerPack* version 106 or later before installing the *Cisco ACI: SL1 Dashboards PowerPack* version 100.

Installation Process

To install version 100 of the *Cisco ACI: SL1 Dashboards PowerPack*, perform the following steps:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. If you have not done so already, upgrade your SL1 system to the 8.8.0 or later release.

3. If you have not done so already, install the *Cisco: ACI PowerPack* version 106 or greater.
4. Download version 100 of the *Cisco ACI: SL1 Dashboards PowerPack* from the Customer Portal to a local computer.
5. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 100 of the *Cisco ACI: SL1 Dashboards PowerPack*.
6. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.

Included Features

The following dashboards are included in version 100 of the *Cisco ACI: SL1 Dashboards PowerPack*:

- An "ACI Application" dashboard, which includes the following widgets that display overview data about your ACI applications:
 - Available Applications
 - ACI Health Score
 - Bottom 10 - ACI Endpoint Group Health
 - Events
 - Top 10 - ACI Application Total Faults
 - Selected Application Total Faults
 - Top 10 - ACI Application Critical and Major Faults Domain
 - Selected ACI Application Critical and Major Faults Domain
 - Top 10 - Tenant Fault count by Domain
 - Selected Tenant Critical and Major Faults Domain
 - Selected Minor and Warning Faults Domain

- An "ACI Health" dashboard, which includes the following widgets that display data about your ACI devices:
 - Pod Health Score
 - Selected Pod Health Score
 - Top 10 - APIC Process CPU Utilization
 - Top 10 - Switch Utilization
 - APIC CPU Utilization
 - APIC Memory Utilization
 - Bottom 10 - Fabric Switch Health Scores
 - Bottom 10 - Tenant Health Score
 - Critical Faults
 - Major Faults
 - Minor Faults
 - Warning Faults
 - Critical Faults by Domain
 - Major Faults by Domain
 - Minor Faults by Domain
 - Warning Faults by Domain

- An "ACI Leaf Health" dashboard, which includes the following widgets that display data about your ACI leaves:
 - Leaf Switch List
 - Leaf Switch Health Score
 - Events
 - Top 10 - Line Card Health Score
 - Selected Card Health Score
 - Top 10 - Supervisor Card Health Score
 - Selected Supervisor Card Health Score
 - Top 10 - Fan Tray Health Score
 - Selected Fan Tray Score
 - Top 10 - Power Supply Health Score
 - Selected Power Supply Health Score
 - Top 10 - Interface Health Score
 - Selected Interface Health Score

- An "ACI Overview" dashboard, which includes the following widgets that display data about your ACI devices:
 - Bottom 5 - Health Score
 - Top 5 - CPU Utilization
 - Bottom 5 - Tenant Health Score
 - Top 5 - Switch Utilization
 - Top 5 - APIC Memory Usage
 - Bottom 5 - Endpoint Group Health Score
 - Critical Faults
 - Major Faults
 - Minor Faults
 - Warning Faults
 - Events

- An "ACI Spine Health" dashboard, which includes the following widgets that display data about your ACI spines:
 - Spine Health List
 - Spine Switch Health Score
 - Events
 - Top 10 - Line Card Health Score
 - Selected Line Card Health Score
 - Top 10 - Supervisor Card Health Score
 - Selected Supervisor Card Health Score
 - Top 10 - Fan Tray Health Score
 - Selected Fan Tray Health Score
 - Top 10 - Power Supply Health Score
 - Selected Fan Tray Health Score
 - Top 10 - Interface Health Score
 - Selected Interface Health Score
 - Top 10 - Fabric Health Score
 - Selected Fabric Health Score

- An "ACI Switch" dashboard, which includes the following widgets that display data about your ACI switches:
 - ACI Devices by Health
 - Leaf Health Score
 - Events
 - Fault Counts by Domain
 - Fault Counts by Type
 - Top 5 - Total Fault Counts
 - Top 5 - Critical Fault Counts on Modules
 - Top 5 - Major Fault Counts on Modules
 - Top 5 - Warning Fault Counts on Modules
 - Top 5 - Minor Fault Counts on Modules

- An "ACI Switch Interface" dashboard, which includes the following widgets that display data about your ACI switch interfaces:
 - Network Leaf and Spine List
 - Top 10 - Interface ACI Switch Utilization
 - Selected Interface ACI Switch Utilization
 - Top 10 - Host Interface Utilization
 - Selected Host Utilization
 - Bottom 10 - Interface Health Score
 - Selected Interface Health Score
 - Top 10 - Fabric Interface Utilization
 - Selected Fabric Interface Utilization
 - Top 10 - Total Drops
 - Errors In/Out

- An "ACI Tenant Health" dashboard, which includes the following widgets that display data about your ACI tenants:
 - ACI Tenants
 - Tenant Health Score
 - ACI Total Fault Counts By Type
 - Events
 - Top 10 - Total Fault Counts By Type
 - Selected Critical and Major Fault Counts by Type
 - Selected Minor and Warning Fault Counts by Type
 - Top 10 - Tenant Fault Counts By Domain
 - Selected Critical and Major Fault Counts By Domain
 - Selected Minor and Warning Fault Counts By Domain
 - Bottom 10 - Bridge Domain Health Score
 - Selected Bridge Domain Health Score
 - Bottom 10 - Private Network Health Score
 - Selected Private Network Health Score

Known Issues and Workarounds

The following known issue affects *Cisco ACI: SL1 Dashboards* PowerPack version 100:

- Dashboard widgets might be slow to load or display red bells. If this occurs, you can do the following to address the issue:

1. Start an SSH session into your SL1 appliance.
2. At the shell prompt, enter the following to open the `em7_limits.conf` file for editing:

```
cd /etc/nginx/conf.d
sudo cp em7_limits.conf em7_limits.conf.backup
sudo vi em7_limits.conf
```

3. Locate the line that begins with "`limit_req zone=addr_req`" and update it to the following:

```
limit_req zone=addr_req burst=5000 nodelay;
```

4. Locate the lines that begin with "`limit_conn`" and update them to the following:

```
limit_conn perip 10000;
limit_conn perserver 10000;
```

5. Restart nginx. To do this, enter the following at the shell prompt:

```
sudo systemctl restart nginx
```


- Dashboards might not appear immediately in the SL1 user interface after you import the *Cisco ACI: SL1 Dashboards* PowerPack using the PowerPack Importer. If this occurs, you can do the following to address the issue:

1. Type the following URL into your web browser:

```
https://<hostname or  
ip>/graphql?query=m%20importContentObjectsFromPowerPackQueue%20%7D%0  
A
```

2. When prompted, enter your user credentials.
3. Click the GraphQL "play" button. If successful, a "true" message appears in the right-hand panel.
4. Verify that the dashboards now appear by returning to the **Dashboards** page and refreshing your web browser.

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