



Cisco: ACI PowerPack Release Notes

Version 110

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Overview

Version 110 of the Cisco: ACI PowerPack includes an improved upgrade process, new Dynamic Applications, and addresses an issue with a content library when upgrading the PowerPack.

- **Minimum Required SL1 Version:** 8.12.2.4
- **Support Status:** GA

NOTE: For users on Military Unique Deployment (MUD) systems, the PowerPack will not work on a system older than 10.1.0.

This document describes:



- [Pre-installation or pre-upgrade information](#)
- [The installation and upgrade process for the PowerPack](#)
- [The features included in version 110](#)
- [The enhancements and issues addressed in version 110](#)
- [The known issues for version 110](#)

Before You Install or Upgrade



Ensure that you are running version 8.12.2.4 or later of SL1 before installing or upgrading the Cisco: ACI PowerPack version 110.

Before you upgrade to version 110, you must disable or delete the "Discovery" snippet in the "Cisco: ACI Device Reclassification" Dynamic Application.

To disable the "Discovery" snippet:

1. Go to the **Dynamic Applications Manager** page (System > Manage > Applications).
2. Locate the "Cisco: ACI Device Reclassification" Dynamic Application and click its wrench icon (.
3. In the **[Snippets]** tab, click the wrench icon () for the "Discovery" snippet.
4. In the **Active State** drop-down, select *Disabled*.
5. Click the **[Save]** button.

To delete the "Discovery" snippet:

1. Go to the **Dynamic Applications Manager** page (System > Manage > Applications).
2. Locate the "Cisco: ACI Device Reclassification" Dynamic Application and click its wrench icon () .
3. In the **[Snippets]** tab, locate the "Discovery" snippet and click the bomb icon () next to it.
4. Click **[OK]** when asked if you are sure you want to delete the snippet.
5. Click the **[Save]** button.

NOTE: For details on upgrading SL1, see the appropriate SL1 Release Notes.

Installing Cisco: ACI PowerPack version 110

To install the *Cisco: ACI PowerPack* for the first time, perform the following steps:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 8.12.2.4 or later release.
3. Download version 110 of the *Cisco: ACI PowerPack* from the Customer Portal to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 110 of the *Cisco: ACI PowerPack*.
5. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.
6. See the manual *Monitoring Cisco ACI* for instructions on using the PowerPack.

Upgrading to Cisco: ACI PowerPack version 110

To upgrade the *Cisco: ACI PowerPack* to version 110, perform the following steps:

TIP: By default, installing a new version of a PowerPack will overwrite 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 the new version of the PowerPack from overwriting local changes for some commonly customized fields.

NOTE: If you are currently using the Dynamic Applications in the *Cisco: ACI PowerPack* to monitor devices, collection errors might occur for one or two polling cycles during the installation of a new version. To prevent collection errors during an upgrade, you can optionally disable collection for monitored devices before performing the following steps and re-enable collection after the upgrade.

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 8.12.2.4 or later release.
3. Download version 110 of the *Cisco: ACI PowerPack* from the Customer Portal to a local computer.
4. Determine the best HTTP timeout value and apply it to the current ACI SOAP/XML credential in the **Timeout (seconds)** field. We recommend a timeout value of 5 seconds.

NOTE: Expect a gap in data collection for a 10 to 15 minutes, depending on the size of your environment.

NOTE: Expect to see an import error come up once the new version of the PowerPack is installed. This error should disappear within one to two poll intervals.

5. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 110 of the *Cisco: ACI PowerPack*.
6. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.
7. If you have a multi-collector environment, perform a manual sync in the **Appliance Manager** page (System > Settings > Appliances).
8. Align the "Cisco: ACI PP Upgrade Tasks" Dynamic Application to the virtual root device and wait until an event is triggered by that Dynamic Application. The run book action triggered by this event will align the "Cisco: ACI APIC Communications Manager" and the "Cisco: ACI API Performance Metrics" Dynamic Applications to all tenants. For large deployments, it will process 25 tenants at a time.
9. Go to the **Dynamic Applications Manager** page (System > Manage > Applications) and find the "Cisco: ACI APIC Communications Manager" and the "Cisco: ACI API Performance Metrics" Dynamic Applications. Verify that the number of subscribers to these Dynamic Applications matches the number of tenants in your system.
10. Verify that data collection is occurring and that no device is appearing as unavailable.
11. Un-align the "Cisco: ACI PP Upgrade Tasks" Dynamic Application.
12. See the manual [Monitoring Cisco ACI](#) for instructions on using the PowerPack.

Features

Cisco: ACI PowerPack version 110 includes the following features:

- Dynamic Applications that discover and collect data from Cisco Application Centric Infrastructure (ACI) devices
- Event Policies that are triggered when Cisco ACI devices meet certain status criteria
- Device Classes for each type of Cisco ACI device monitored
- Sample credentials for discovering Cisco ACI devices

- Device Dashboards that display information about Cisco ACI devices
- Run Book Actions that automate some aspects of the device discovery and creation process
- ScienceLogic Libraries that are utilized by this PowerPack:
 - content
 - silo_aci
 - silo_vmware
 - vmware

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 110 of the *Cisco: ACI* PowerPack:

- An issue was addressed in which the "silo_aci" content library was not updating upon upgrading the PowerPack.
- Previously, when users upgraded from any version previous to version 108, they needed to delete all devices and re-run discovery. The PowerPack has been updated to allow upgrades from any version after version 103 directly to version 110.
- The following Dynamic Applications have been added to the PowerPack:
 - Cisco: ACI API Performance Metrics
 - Cisco: ACI Health Score
- The "Cisco: ACI IC Interface Inventory" and "Cisco: ACI IC Interface Performance" Dynamic Applications were added to the PowerPack. These Dynamic Applications are disabled by default. You can enable them to pipe interface data collected via the API through ICDA, making it appear that a device was physically discovered. The interface data will appear in the Interface tab and thresholds can be set as you would for a device with physically-discovered interfaces. **NOTE:** If you do enable these Dynamic Applications, you must disable the interface data Dynamic Applications that report the data as API-collected data.
- The **Collector Affinity** field was updated to *Root device collector* for all Dynamic Applications in the PowerPack.
- The "Cisco: ACI CPU Errors" threshold and the "Cisco: ACI CPU Errors Has Exceeded Threshold" event policy were added to the "Cisco: ACI APIC Process Performance" Dynamic Application.
- New SVG Icons were added to the Device Classes in the PowerPack for the new user interface. **NOTE:** This update does not impact the classic SL1 user interface prior to SL1 version 10.1.0. SL1 version 10.1.0 will allow PowerPacks with SVG icons to be installed.
- Code has been refactored to improve performance and increase reliability during APIC failover by maintaining sessions with all APICs.
- An issue was addressed in the "Cisco: ACI Fault Counts" Dynamic Application in which some faults were not appearing under their respective metrics for Fault Types and Fault Domains.
- An issue was addressed in which the "Cisco: ACI Faults" Dynamic Application was exhibiting unexpected behavior with fault filtering. New alerts have been implemented that are triggered when principal ACI nodes are discovered.

Known Issues

The following known issue affects version 110 of the *Cisco: ACI PowerPack*:

- For users on Military Unique Deployment (MUD) systems, the PowerPack will not work on a system older than 10.1.0.
- If a user changes their APIC username and password, the *Cisco: ACI PowerPack* will not recognize the new credentials. To recognize new credentials, perform one of the following options:
 - Disable or delete the previous administrator account.
 - After updating the credentials, delete any cache entries with `"1C88582E76AADD40EB8C5E6A6F71B64A_ACI_{host}_{cred_id}_TOKENS"`
- Users running version 110 of the *Cisco: ACI PowerPack* may see a "no object found" error appear from the "Cisco: ACI Vitals" Dynamic Application. To stop the error, give the user an admin role with readPriv, as well as a read-all role with readPriv.

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