



Cisco: AppDynamics PowerPack Release Notes

Version 103

Overview

Version 103 of the *Cisco: AppDynamics* PowerPack includes updates to Dynamic Applications and the PowerPack's Run Book action.

- **Minimum Required SL1 Version:** 12.1.0

NOTE: ScienceLogic recommends running the latest version of the AppDynamics Agent when monitoring Cisco AppDynamics applications in SL1.

| | |
|--|---|
| <i>Before You Install or Upgrade</i> | 2 |
| <i>Installing or Upgrading the PowerPack</i> | 2 |
| <i>Features</i> | 3 |
| <i>Enhancements and Addressed Issues</i> | 4 |
| <i>Known Issues</i> | 4 |

Before You Install or Upgrade

Ensure that you are running version 12.1.0 or later of SL1 before installing *Cisco: AppDynamics* version 103.

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

Installing or Upgrading the PowerPack

To install this PowerPack:

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 12.1.0 or later release.
3. Download the "Cisco: AppDynamics" version 103 PowerPack from the Support Site 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 "Cisco: AppDynamics" version 103.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

CAUTION: If you have installed a previous version of the PowerPack, installing the latest version will overwrite the device template "Cisco: AppDynamics Application Template". In the **Dyn Apps** tab of the device template, the credential for each Dynamic Application will be overwritten and will now reference the example credential included with the PowerPack. Before installing the new PowerPack, note the credential aligned with each Dynamic Application. After installing the new PowerPack, edit the device template "Cisco: AppDynamics Application Template". In the **Dyn Apps** tab of the device template, edit the credential aligned with each Dynamic Application to reflect the user-defined credential.

For more information about using the PowerPack, see the *Monitoring Cisco: AppDynamics* manual.

Features

Version 103 of the *Cisco: AppDynamics* PowerPack includes the following features:

- Dynamic Applications to discover and monitor AppDynamics devices
- Device Classes for each type of AppDynamics component device SL1 monitors
- Event Policies that are triggered when AppDynamics component devices meet certain status criteria
- A sample SOAP/XML Credential for discovering AppDynamics devices
- Run Book Actions and Policies that automatically create AppDynamics Application virtual devices
- A device template that is used to align the PowerPack's Dynamic Applications to AppDynamics Application virtual devices

Enhancements and Addressed Issues

The following enhancements and addressed issues are included in version 103 of the *Cisco: AppDynamics* PowerPack:

- Updated the PowerPack to be Python 3-compatible.
- Added the following Dynamic Applications to the PowerPack to monitor AppDynamics Database objects:
 - Cisco: AppDynamics Database Configuration
 - Cisco: AppDynamics Database Discovery
 - Cisco: AppDynamics Database Events
 - Cisco: AppDynamics Database Performance
 - Cisco: AppDynamics Database Service Discovery
- The "Cisco: AppDynamics Database Events" Dynamic Application triggers the Database Health Rule Events on the database level when certain criteria are met. You might experience events that trigger on the controller level when first-time devices are discovered.
- Addressed an issue in the "Cisco: AppDynamics Application Discovery" Dynamic Application in which special characters in the description of **Applications** were not discovered.
- Addressed an issue in which applications with the same device name were not discovered. (Case: 00310562)
- Removed the "EM7 CDB" credential from the PowerPack. This credential was previously used for the "Cisco: AppDynamics Application Discovery" Run Book Action and is no longer required.

IMPORTANT: ScienceLogic recommends that you delete the "EM7 CDB" credential as it remains present after upgrading from previous versions to version 103. You should then configure the Snippet credential for "Cisco: AppDynamics Application Discovery" Run Book Action to **None** from the Snippet Credential drop-down.

Known Issues

The following known issues affect version 103 of the *Cisco: AppDynamics* PowerPack:

- After upgrading from any previous version to version 103 of this PowerPack, the Snippet credential must be set to **None** from the Snippet Credential drop-down menu in "Cisco: AppDynamics Application Discovery" Run Book Action (**Registry > Run Book > Actions**). ScienceLogic also recommends deleting the "EM7 CDB" Database credential because it is no longer required.
- When running Cisco AppDynamics Dynamic Applications in debug mode, you may receive Warning messages. You can ignore these messages as they do not affect data collection.
- When a tier or node name is renamed from the AppDynamics portal, the PowerPack will not update the component device name automatically; instead, the component device will always retain its original name.

This is because the **Preserve Hostname** option is enabled by default in the Preferences section of the component's **Device Properties** page (Registry > Devices > wrench icon). To update the tier or node name, uncheck the **Preserve Hostname** option.

- SL1 is unable to discover applications with names that include special characters.
- If a tier or node name includes special characters, SL1 replaces the special characters with empty spaces in the device name. This does not affect data collection, but it does prevent a relationship from being created between a physical server and a component node if the node's machine name contains special characters.
- When discovering a large number of component devices, the discovery process can cause the appearance of numerous critical events with the message, "Large backlog of asynchronous jobs detected". You can safely ignore this alert as long as the number of asynchronous processes decreases over time.
- Due to an API throttling issue, when monitoring an account with a large number of applications or component devices, some Dynamic Applications might generate an "Exception producing performance data" error message and experience some data gaps in the performance metrics. In this scenario, SL1 will attempt to collect the data again, but the issue might still recur.
- When an application is deleted from AppDynamics, it should be deleted from SL1 automatically. (This process will also cause the application's tiers and nodes to vanish.) If the application does not delete automatically, the Dynamic Applications aligned to the device will generate error messages in the log, and you might need to manually delete the application.

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