



Cisco: AppDynamics PowerPack Release Notes

Version 101

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Overview

Version 101 of the *Cisco: AppDynamics* PowerPack includes updates that enable the PowerPack to work on Federal Information Processing Standard (FIPS)-compliant SL1 systems, to monitor AppDynamics through a proxy server, and to align multiple credentials when using the Device Template. Additional updates were made to some of the PowerPack's Dynamic Applications, Device Classes, and Event Policies.

- **Minimum Required Platform Version:** 8.8.0
- **Support Status:** GA

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

This document describes:

- [Pre-installation information](#)
- [The installation process for the PowerPack](#)
- [The features included in version 101](#)
- [The enhancements and addressed issues included in version 101](#)
- [The known issues that affect version 101](#)

Before You Install or Upgrade

Ensure that you are running version 8.8.0 or later of SL1 before installing or upgrading the *Cisco: AppDynamics* PowerPack version 101.

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

Installation and Upgrade Process

To install or upgrade to version 101 of the *Cisco: AppDynamics* PowerPack:

1. If you have not done so already, upgrade your system to the 8.8.0 or later release.
2. Familiarize yourself with the [Known Issues](#) for this release.
3. Download version 101 of the *Cisco: AppDynamics* 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 101 of the *Cisco: AppDynamics* PowerPack.

CAUTION: If you have installed a previous version of the *Cisco: AppDynamics 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.

5. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.
6. For information about using the PowerPack, see the *Monitoring Cisco AppDynamics* manual.

Features

The following features are included in version 101 of the *Cisco: AppDynamics PowerPack*:

- 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 101 of the *Cisco: AppDynamics PowerPack*:

- The PowerPack was updated to work on Federal Information Processing Standard (FIPS)-compliant SL1 systems.
- The PowerPack was updated to support the ability to monitor AppDynamics through a proxy server. To use this functionality, you will need to populate the Proxy Settings section of the SOAP/XML credential used to monitor AppDynamics. (For more information, see the *Monitoring Cisco AppDynamics* manual.)
- All of the PowerPack's Performance Dynamic Applications were updated to set their **Summarization State** settings to *Enabled*.
- The "Cisco: AppDynamics Application Template" example Device Template that is included in the PowerPack was updated to work with more than one credential at a time. To use this feature, you will need to create a new Device Template from the example template by saving it with a different name, create new credentials from the example SOAP/XML credential by saving them with different names, and then align the credentials to the Dynamic Applications in the Device Template.

- A new "Cisco: AppDynamics Application Renamed" Event Policy was added to the PowerPack. This event is triggered when an Application is renamed.

NOTE: When an Application is renamed, errors will appear in the system log until the Event Policy triggers the "Cisco: AppDynamics Application Discovery" Run Book Automation Policy to run, which in turn will rename the Application virtual device. This might occur for one polling cycle.

- The Event Policies included in the PowerPack were updated to ensure that events are auto-cleared properly.
- The Device Class categories and tiers were updated as follows:

Device Class	Description	Category	Tier
Cisco Systems	AppDynamics Tier	APM	1
Cisco Systems	AppDynamics Node	APM	1
Cisco Systems	AppDynamics Controller	APM	1
Cisco Systems	AppDynamics Application	APM	1
Cisco Systems	AppDynamics .NET Application Server Tier	APM.Application	1
Cisco Systems	AppDynamics Application Server Tier	APM.Application	1
Cisco Systems	AppDynamics C/C++ SDK Tier	APM.Application	1
Cisco Systems	AppDynamics Golang SDK Tier	APM.Application	1
Cisco Systems	AppDynamics Node.JS Server Tier	APM.Application	1
Cisco Systems	AppDynamics PHP Application Server Tier	APM.Application	1
Cisco Systems	AppDynamics Python Server Tier	APM.Application	1
Cisco Systems	AppDynamics WMB Agent Tier	APM.Application	1
Cisco Systems	AppDynamics Web Server Tier	APM.Application	1
Cisco Systems	AppDynamics ActiveMQ Node	APM.Host	5
Cisco Systems	AppDynamics Apache Node	APM.Host	5
Cisco Systems	AppDynamics DB Agent Node	APM.Host	5
Cisco Systems	AppDynamics DB Collector Node	APM.Host	5
Cisco Systems	AppDynamics Glassfish Node	APM.Host	5
Cisco Systems	AppDynamics IBM DB2 Node	APM.Host	5
Cisco Systems	AppDynamics IBM MQ Node	APM.Host	5
Cisco Systems	AppDynamics IIS Node	APM.Host	5

Device Class	Description	Category	Tier
Cisco Systems	AppDynamics JBoss Node	APM.Host	5
Cisco Systems	AppDynamics Microsoft SQL Server Node	APM.Host	5
Cisco Systems	AppDynamics MySQL Node	APM.Host	5
Cisco Systems	AppDynamics Oracle Node	APM.Host	5
Cisco Systems	AppDynamics Postgres Node	APM.Host	5
Cisco Systems	AppDynamics Pound Node	APM.Host	5
Cisco Systems	AppDynamics Tomcat Node	APM.Host	5
Cisco Systems	AppDynamics Weblogic Node	APM.Host	5
Cisco Systems	AppDynamics Websphere Node	APM.Host	5

- An issue was addressed that was causing some Dynamic Application requests to occasionally generate the following error messages: "Error collecting performance data. Error to retry the operation." or "Exception producing performance data. Error to retry the operation."
- An issue was addressed that was causing the "Cisco: AppDynamics Tier Configuration" Dynamic Application to occasionally generate "object of type 'NoneType' has no len()" error messages.

Known Issues

The following known issues affect version 101 of the *Cisco: AppDynamics PowerPack*:

- When a tier or node name is renamed from the AppDynamics portal, the *Cisco: AppDynamics 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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800-SCI-LOGIC (1-800-724-5644)

International: +1-703-354-1010