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# Cisco: Cloud Center PowerPack Release Notes

Version 105

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## Overview

Version 105 of the *Cisco: Cloud Center PowerPack* includes the ability to monitor high-availability (HA) Cloud Center deployments. Version 105 also includes several new Dynamic Applications, Device Classes, Event Policies, Run Book Actions and Automation Policies, and a new sample SOAP/XML Credential to support this enhancement.

Additionally, the PowerPack has been updated to create dynamic component map relationships between Cisco Cloud Center Applications and Cisco ACI Application Network Profiles, to align Dynamic Applications from the *Linux Base Pack PowerPack* to Cloud Center components, and to discover a new CCO folder (region) component.

- **Minimum Required Platform Version:** 8.7.1.2
- **Support Status:** Beta

This document describes:

- [Pre-install or pre-upgrade information](#)
- [The installation and upgrade process for the PowerPack](#)
- [The features included in version 105](#)
- [The enhancements and issues addressed in version 105](#)
- [Known Issues and Limitations](#)

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## Before You Install or Upgrade

Ensure that you are running version 8.7.1.2 or later of the ScienceLogic platform before installing the *Cisco: Cloud Center PowerPack* version 105.

**NOTE:** For details on upgrading the ScienceLogic platform, see the appropriate ScienceLogic Release Notes.

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# Installing or Upgrading to Cisco: Cloud Center PowerPack version 105

To install the *Cisco: Cloud Center* PowerPack for the first time or to upgrade from a previous version, 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: Cloud Center* 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 8.7.1.2 or later release.
3. Download version 105 of the *Cisco: Cloud Center* 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 105 of the *Cisco: Cloud Center* 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 Cloud Center](#) for instructions on using the new PowerPack.

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## Features

The following features are included in version 105 of the *Cisco: Cloud Center* PowerPack:

- Dynamic Applications to discover and monitor Cloud Center devices
- Device classes for each type of Cloud Center device that the ScienceLogic platform monitors
- Event policies and corresponding alerts that are triggered when Cloud Center devices meet certain status criteria
- Sample Credentials you can use as templates to create your own Credentials to monitor Cloud Center deployments
- Run Book Actions that automate some aspects of the device discovery and creation process

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## Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 105 of the *Cisco: Cloud Center PowerPack*:

- The PowerPack was updated to enable monitoring for high-availability (HA) Cloud Center deployments. Specifically, the PowerPack can monitor HA modes for the following CloudCenter components:
  - Cisco Cloud Manager (CCM) servers and load balancers
  - PostgreSQL database servers and load balancers
  - Cisco Cloud Center Health Monitors
  - AMQP (RabbitMQ) servers and load balancers
  - Cisco Cloud Orchestrator (CCO) and load balancers
- The PowerPack was updated to align Dynamic Applications from the *Linux Base Pack PowerPack* with components on a discovered HA Cloud Center cluster, for users who are running version 105 of the *Cisco: Cloud Center PowerPack* and version 101 or greater of the *Linux Base Pack PowerPack*.
- The following Dynamic Applications were added to the PowerPack:
  - Cisco: Cloud Center CCC MongoDB Config
  - Cisco: Cloud Center CCC Port Monitoring Config
  - Cisco: Cloud Center CCC Postgress Config
  - Cisco: Cloud Center CCC Process Monitor
  - Cisco: Cloud Center CCM Load Balancer Health
  - Cisco: Cloud Center HA Discovery
- The following new Device Classes were added to the PowerPack:
  - Cloud Center Load Balancer
  - Cloud Center Monitor
  - Cloud Center PostGres
  - Cloud Center RabbitMQ Load Balancer
- A new sample SOAP/XML Credential, "Cisco Cloud Center - HA Example", was added to the PowerPack.

**NOTE:** For instructions on using the new Credential, see the *Monitoring Cisco Cloud Center* manual.

- The following new Event Policies were added to the PowerPack:

Event Policy Name	Event Source	Severity
Cisco: Cloud Center Align Process Monitor Dynamic Apps	API	Notice
Cisco: Cloud Center CCC Postgres DA Alignment	API	Notice
Cisco: Cloud Center CCC Process Monitor Process Not Running	Dynamic	Major
Cisco: Cloud Center CCC Process Monitor Process Running	Dynamic	Healthy
Cisco: Cloud Center CCM API Disable	API	Major
Cisco: Cloud Center CCM API Enable	API	Healthy
Cisco: Cloud Center CCM Load Balancer API Disable	API	Critical
Cisco: Cloud Center CCO Mongo DA Alignment	API	Notice
Cisco: Cloud Center Device Now Available	API	Notice
Cisco: Cloud Center Device Unavailable Vanish Timer Update	API	Notice
Cisco: Cloud Center Linux Base Pack Alignment	API	Notice
Cisco: Cloud Center MongoDB Node Health Unreachable	Dynamic	Major
Cisco: Cloud Center MongoDB Node Healthy	Dynamic	Healthy
Cisco: Cloud Center Postgres Node Disconnected	Dynamic	Major
Cisco: Cloud Center Postgres Node Status Healthy	Dynamic	Healthy
Cisco: Cloud Center Postgres Process Status Healthy	Dynamic	Healthy
Cisco: Cloud Center Postgres Process Status Not Running	Dynamic	Major
Cisco: Cloud Center RabbitMQ Align Dynamic Apps	API	Notice
Cisco: Cloud Center RabbitMQ LB Classification	API	Notice
Cisco: Cloud Center Vanish Timer Update	API	Notice

- The following new Run Book Action and Automation Policies were added to the PowerPack:

Run Book Automation Policy	Run Book Action(s)	Description
Cisco: Cloud Center Applications Thresholds	Cisco: Cloud Center Applications Thresholds	Sets the thresholds for device vanishing and device purge for the Application Instance components.
Cisco: Cloud Center CCC Postgres Dynamic App Alignment	Cisco: Cloud Center Postgres DA Alignment	Aligns the "Cisco: Cloud Center CCC Postgres Config" Dynamic Application.
Cisco: Cloud Center CCC Process Monitor Dynamic App Alignment	Cisco: Cloud Center CCC Process Monitor DA Alignment	Aligns the "Cisco: Cloud Center CCC Process Monitor" Dynamic Application.
Cisco: Cloud Center CCO Mongo Dynamic App Alignment	Cisco: Cloud Center Orchestrator Mongo DA Alignment	Aligns the "Cisco: Cloud Center CCC MongoDB Config" Dynamic Application.
Cisco: Cloud Center Device Available	Cisco: Cloud Center Restored Component	Removes events that set timers for device vanish and device purge for unavailable components.
Cisco: Cloud Center Linux Base Pack Alignment	Cisco: Cloud Center Linux Base Pack Alignment	Aligns the <i>Linux Base Pack</i> PowerPack to Cisco Cloud Center HA components.
	Cisco: Cloud Center Linux Base Pack Status	Informs the Data Collector of the <i>Linux Base Pack</i> PowerPack alignment status.
Cisco: Cloud Center RabbitMQ Dynamic App Alignment	Cisco: Cloud Center RabbitMQ Dynamic App Alignment	Aligns the RabbitMQ Dynamic Applications to Cisco Cloud Center RabbitMQ instances.
Cisco: Cloud Center RabbitMQ Load Balancer Classification	Cisco: Cloud Center RabbitMQ Load Balancer Classification	Reclassifies the Cloud Center RabbitMQ Load Balancer.
Cisco: Cloud Center Vanish Timer Reset	Cisco: Cloud Center Vanish Timer Reset	Sets the correct timer for device vanish for Application components.

- The "Cisco: Cloud Center Application Configuration" Dynamic Application was updated to create dynamic component map relationships between Cisco Cloud Center Applications and Cisco ACI Application Network Profiles, for users who are running version 105 of the *Cisco: Cloud Center* PowerPack and version 106 or greater of the *Cisco: ACI* PowerPack.

- The "Cisco: Cloud Center Application Resource Usage" Dynamic Application was updated to collect the following additional metrics:
  - Estimated Hourly Cost
  - Estimated Monthly Cost
  - Estimated Monthly Savings
  - Estimated Savings Percentage
- The "Cisco: Cloud Center Region Discovery" and "Cisco: Cloud Center Region Configuration" Dynamic Applications were updated to discover a new CCO folder (region) component, under which CCO component devices now appear in the device tree.
- The "Cisco: Cloud Center Vanish Timer Update" Run Book Action was updated to extend the vanish and purge timer of Cloud Center devices.
- An issue was addressed that was causing the "Cisco: Cloud Center Cloud Discovery" Dynamic Application to generate an exception in the system log if the Cloud Center system did not have any tenant configured.

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## Known Issues and Limitations

The following known issues and limitations apply to version 105 of the *Cisco: Cloud Center PowerPack*:

- When monitoring a high-availability deployment, the use of Basic/Snippet credentials will cause RabbitMQ Dynamic Applications to align to RabbitMQ devices, but those Dynamic Applications will not collect data. This is because SL1 discovers the RabbitMQ load balancer devices as the RabbitMQ components, rather than the actual RabbitMQ components themselves. This means that, even if you manually discover the RabbitMQ components, the *Cisco: Cloud Center PowerPack* has no way of linking them with the load balancers. If you would like to collect data for the non-load balancer RabbitMQ components, you can manually align the appropriate credentials.
- The current implementation of the *AMQP: RabbitMQ PowerPack* has a known issue where the data comes only from the first node in the cluster, leading to one of the nodes having incorrect data. This issue will be addressed in version 101 of the *AMQP: RabbitMQ PowerPack*.
- All devices associated with a Cisco Cloud Center instance must be monitored by the same Data Collector.
- If you delete a Cisco Cloud Center device and subsequently want to re-discover the same Cisco Cloud Center device, you must execute the following database query on the Data Collector or All-In-One Appliance that monitored the Cisco Cloud Center device:

```
DELETE FROM cache.dynamic_app WHERE key LIKE %ccc%;
```



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