



Cisco: Cloud Center PowerPack Release Notes

Beta Version 103

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Overview

Version 103 of the *Cisco: Cloud Center PowerPack* includes several new or updated Dynamic Applications; adds Run Book Actions to automatically merge Cloud Center Orchestra and RabbitMQ physical and component devices; and introduces dynamic component mapping relationships between Cloud Center and Microsoft Azure virtual machines, among other updates.

- **Minimum Required Platform Version:** 8.2.0
- **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 103](#)
- [The enhancements and issues addressed in version 103](#)
- [Known Issues and Limitations](#)

Before You Install or Upgrade

Ensure that you are running version 8.2.0 or later of the ScienceLogic platform before installing the *Cisco: Cloud Center PowerPack* version 103.

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

Installing or Upgrading to Cisco: Cloud Center PowerPack version 103

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 8.2.0 or later release.
3. Download version 103 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 103 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.

Features

The following features are included in version 103 of the *Cisco: Cloud Center PowerPack*:

- Dynamic Applications to discover and monitor Cloud Center devices
- Device classes for each type of Cloud Center device the ScienceLogic platform monitors
- Event policies and corresponding alerts that are triggered when Cloud Center devices meet certain status criteria
- A Basic/Snippet credential template you can use to create the credentials that enable you to collect data from Cloud Center devices
- Run Book Actions that automate some aspects of the device discovery and creation process

Enhancements and Issues Addressed

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

- A new performance Dynamic Application, "Cisco: Cloud Center Component Counts", was added to the PowerPack. This Dynamic Application summarizes the total system counts of various components in the Cloud Center.

NOTE: This Dynamic Application replaces a configuration Dynamic Application of the same name that was included in earlier versions of the *Cisco: Cloud Center PowerPack*. To ensure that duplicate collection objects are not created, you must delete the existing configuration "Cisco: Cloud Center Component Counts" Dynamic Application before installing version 103.

- A new "Cisco: Cloud Center User Configuration" Dynamic Application was added to the PowerPack to collect data about a tenant's users.
- A new "Cisco: CCO Components to Physical Merge" Dynamic Application and a new "Cisco: Cloud Center Orchestrator to Physical Merge" Run Book Action were added to the PowerPack to detect and merge Cloud Center Orchestrator (CCO) component devices with physical devices.

NOTE: For the merge to work properly, all CCO components must respond to ping requests, and the All-In-One Appliance or Data Collector must be able to resolve the hostname of the components. By default, CCO components do not respond to ping requests. To ensure that the components can be discovered as pingable devices, you must add new firewall rules on those components to allow incoming and outgoing ICMP packets. The All-In-One Appliance or Data Collector must also have access to a DNS server that can be used to resolve the hostname of each component, or the host file on the All-In-One Appliance or Data Collector must be updated with an entry for each component. The **Host File Entry Manager** page (System > Customize > Host Files) can be used to manage host file entries on all appliances.

NOTE: To prevent the creation of duplicate CCO component devices, you must clear the CCO cache using the cache key 'CCO_NODE_Cache_{PPGUID}_{NODEIP}' before rediscovering CCO devices.

- A new "Cisco: RabbitMQ Components to Physical Merge" Dynamic Application and "Cisco: Cloud Center RabbitMQ to Physical Merge" Run Book Action were added to the PowerPack to detect RabbitMQ component devices and merge them with physical devices.

NOTE: For the merge to work properly, all RabbitMQ components must respond to ping requests, and the All-In-One Appliance or Data Collector must be able to resolve the hostname of the components. By default, RabbitMQ components do not respond to ping requests. To ensure that the components can be discovered as pingable devices, you must add new firewall rules on those components to allow incoming and outgoing ICMP packets. The All-In-One Appliance or Data Collector must also have access to a DNS server that can be used to resolve the hostname of each component, or the host file on the All-In-One Appliance or Data Collector must be updated with an entry for each component. The **Host File Entry Manager** page (System > Customize > Host Files) can be used to manage host file entries on all appliances.

NOTE: To prevent the creation of duplicate RabbitMQ component devices, you must first clear the RabbitMQ cache using the cache key 'RMQ_NODE_Cache_{PPGUID}_{NODEIP}' before re-discovering RabbitMQ devices.

- The Dynamic Applications in the PowerPack have been updated to create relationships between Cloud Center and Microsoft Azure virtual machines (VMs).

NOTE: This relationship relies on the Azure VM names being unique. If you manually change an Azure VM name to duplicate the name of another discovered VM, the relationship between Cloud Center and the Azure VM will break.

- The "Cisco: Cloud Center Application Configuration" Dynamic Application was updated to collect tag configuration data, and to specify the cloud family type for component relationships with AWS and VMware vCenter virtual machines.
- The "Cisco: Cloud Center Vanish Timer Update" Run Book Action and Run Book Policy were updated to automatically change the vanish and purge threshold values for Application Instance components upon their discovery.
- The "Cisco: Cloud Center Device Class Realignment" Run Book Action was updated to ensure that Cloud Center Manager devices are aligned with the correct device classes.
- The Cloud Center Manager and Cloud Center Orchestrator Device Classes were updated to indicate host resources. With this update, you can now access the **Processes** tab from the **Device Summary** page for SNMP-enabled CCM and CCO devices.

Known Issues and Limitations

The following known issues and limitations apply to version 103 of the *Cisco: Cloud Center 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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