



OpenStack PowerPack Release Notes

Version 100

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Overview

Version 100 is the initial version of the *OpenStack PowerPack*. It includes Dynamic Applications, Device Classes, Event Policies, and sample credentials for monitoring OpenStack resources.

- **Minimum Required Platform Version:** 8.5.0
- **Support Status:** GA
- **Operating System Requirements:** Linux only

NOTE: Before discovering component devices for an OpenStack project, ensure that the project user whose information is included in the credential used for discovery is assigned a role with all of the required permissions. To discover an entire OpenStack domain, the credential used for discovery must be an administrator. For more information, see the *Monitoring OpenStack* manual.

This document describes:

- [Pre-install information](#)
- [The installation process for the PowerPack](#)
- [The features included in version 100](#)

Before You Install

Before installing the *OpenStack PowerPack* version 100, you ensure that you are running version 8.5.0 or later of the ScienceLogic platform.

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

Installation Process

To install version 100 of the *OpenStack PowerPack*:

1. See the [Before You Install](#) section. If you have not done so already, upgrade your system to the 8.5.0 or later release.
2. Download version 100 of the *OpenStack PowerPack* from the Customer Portal to a local computer.
3. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 100 of the PowerPack.

4. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **Install** button to install the PowerPack.
5. See the manual **Monitoring OpenStack** for instructions on using the new PowerPack.

Included Features

OpenStack PowerPack version 100 includes the following features:

- The following Dynamic Applications to discover and collect configuration and performance data for OpenStack component devices:
 - OpenStack: Account Discovery
 - OpenStack: Domain Collection Configuration
 - OpenStack: Hypervisor Configuration
 - OpenStack: Hypervisor Discovery
 - OpenStack: Hypervisor Performance
 - OpenStack: Hypervisor Pool Discovery
 - OpenStack: Image Catalog Configuration
 - OpenStack: Instance Configuration
 - OpenStack: Instance Performance
 - OpenStack: Network Configuration
 - OpenStack: Network Discovery
 - OpenStack: Network Pool Discovery
 - OpenStack: Project Block Storage Configuration
 - OpenStack: Project Collection Configuration
 - OpenStack: Project Configuration
 - OpenStack: Project Discovery
 - OpenStack: Project Images Configuration
 - OpenStack: Project Instance Discovery
 - OpenStack: Project Performance
 - OpenStack: Project Usage Configuration
 - OpenStack: Project Volumes Configuration
 - OpenStack: Resource Pool Discovery
 - OpenStack: Service Endpoint Configuration

NOTE: If the user credential you use to discover your OpenStack resources does not have access to the appropriate endpoints in its user policy, the ScienceLogic platform will discover Instance component devices, but the "OpenStack: Instance Performance" Dynamic Application will not collect performance metrics for those components due to an API limitation. In that scenario, the following log message appears: "Response code was not OK. Reason: Policy doesn't allow os_compute_api:os-server-diagnostics to be performed."

NOTE: Because OpenStack allows users to over-commit CPU on compute nodes, it is possible for the "OpenStack: Hypervisor Performance" Dynamic Application to display CPU utilization greater than 100%.

- Device Classes (with assigned Device Tiers) for each of the OpenStack devices monitored:
 - OpenStack Cloud Physical Service (Tier 1)
 - OpenStack Cloud Virtual Service (Tier 1)
 - OpenStack Domain (Tier 1)
 - OpenStack Hypervisor (Tier 2)
 - OpenStack Hypervisor Pool (Tier 1)
 - OpenStack Network (Tier 1)
 - OpenStack Network Pool (Tier 1)
 - OpenStack Project (Tier 3)
 - OpenStack Resources (No Tier)
 - OpenStack Virtual Machine (Tier 3)

NOTE: The Dynamic Applications in the PowerPack create dynamic component map relationships between the following components:

- Virtual machines and hypervisors
 - Virtual machines and networks
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- Event Policies and corresponding alerts that are triggered when OpenStack devices meet certain status criteria.
 - Sample credentials for discovering OpenStack component devices, either as an administrator or as a non-administrative user.

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