IBM: DataPower PowerPack Release Notes

Version 100

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Overview

Version 100 is the initial version of the *IBM: DataPower* PowerPack. It includes Dynamic Applications, Event Policies, Device Classes, and a Device Dashboard for monitoring IBM DataPower Gateways.

- **Minimum Required Platform Version**: 8.7.0
- **Support Status**: Beta

This document describes:

- *Pre-installation information*
- *The installation process for the PowerPack*
- *The features included in version 100*

Before You Install

Ensure that you are running version 8.7.0 or later of the ScienceLogic platform before installing the *IBM: DataPower* PowerPack version 100.

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

Installation Process

To install the *IBM: DataPower* PowerPack for the first time, 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 local changes for some commonly customized fields from being overwritten.

NOTE: If you are currently using the Dynamic Applications in the IBM: DataPower 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. See the *Before You Install* section. If you have not done so already, upgrade your system to the 8.7.0 or later release.

2. Download version 100 of the *IBM: DataPower* 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. For more information about using the PowerPack, see the ***Monitoring IBM DataPower Gateways*** manual.

Included Features

IBM: DataPower PowerPack version 100 includes the following features:

- Dynamic Applications to discover, model, and monitor performance metrics and collect configuration data for IBM DataPower systems, including:
    - IBM: DataPower Filesystem Performance
    - IBM: DataPower Performance
    - IBM: DataPower Session Count
    - IBM: DataPower XML Names Status
- Device Classes for each of the DataPower components that the *IBM: DataPower* PowerPack can monitor:
    - IBM: DataPower Gateway
    - IBM: DataPower X150
    - IBM: DataPower X152
    - IBM: DataPower XG45
- Event Policies that are triggered when DataPower devices meet certain status criteria:

Event Policy	Description	Severity
% Used Encrypted Storage has exceeded the threshold	The amount of used encrypted storage has exceeded the set threshold value.	Minor
% Used Internal Storage has exceeded the threshold	The amount of used internal storage has exceeded the set threshold value.	Minor
% Used Temporary Storage has exceeded the threshold	The amount of used temporary storage has exceeded the set threshold value.	Minor
% Used UnEncrypted Storage has exceeded the threshold	The amount of used unencrypted storage has exceeded the set threshold value.	Minor

Event Policy	Description	Severity
IBM: CPU has exceeded threshold	The CPU busy percentage in the last 5-minute period has exceeded the set threshold value.	Minor
IBM: Free XML name status threshold	The percentage of available XML namespaces is under 10% of the total.	Minor
IBM: Memory has exceeded threshold	The device's physical memory usage has exceeded the set threshold value.	Minor

- An "IBM: DataPower" device dashboard that is assigned as the default dashboard for IBM DataPower devices.

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