

IBM: DB2 PowerPack Release Notes

Version 108

Overview

Version 108 of the "IBM: DB2" PowerPack addresses several issues from previous releases.

- **Minimum Required Skylar One (SL1) Version**: 12.3.1

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Before You Install or Upgrade

Before you install the "IBM: DB2" PowerPack, ensure that you are running version 12.3.1 or later of Skylar One.

NOTE: For details on upgrading Skylar One, see the relevant *Skylar One Platform Release Notes*.

In addition, if you are upgrading from an earlier version of the PowerPack, database components that were previously discovered from remote catalog entries are not removed automatically. After upgrading to version 108, delete these components manually. If you do not, these components remain unavailable and continue to generate "Device Failed Availability Check" and connection failure events.

NOTE: : Historic data is not preserved when upgrading from version 100, 101, or 102 to version 103 or greater. See the *Known Issues* for more details.

Installation or Upgrade Process

TIP: By default, when you install a new version of a PowerPack, the new version overwrites all content in that PowerPack that has already been installed on the target system. To prevent the new PowerPack version from overwriting local changes to some commonly customized fields, use the ***Enable Selective PowerPack Field Protection*** setting in the **Behavior Settings** page (System > Settings > Behavior).

To install this PowerPack:

1. Search for and download the PowerPack from the **PowerPacks** page at the ScienceLogic Support Center (Skylar One > PowerPacks).
2. In Skylar One (formerly SL1), go to the **PowerPacksPowerPack Manager** page (System > Manage > PowerPacks).
3. Click the **[Actions]** menu and select *Import PowerPack*. The **Import PowerPack** modal appears.
4. Click **[Browse]** and go to the PowerPack file from step 1.
5. Select the PowerPack file and click **[Import]**. The **PowerPack Installer** modal displays a list of the PowerPack contents.
6. Click **[Install]**. The PowerPack appears on the **PowerPack Manager** page.

See the ***Monitoring IBM Db2*** manual for instructions on using the PowerPack.

Features

This release includes the following features:

- Dynamic Applications to discover, model, and monitor performance metrics and collect configuration data for IBM Db2 devices
- Event policies that are triggered when Db2 devices meet certain status criteria
- Example credentials that you can use to connect to IBM Db2 databases and instances
- A run book action and run book automation policy for aligning Dynamic Applications
- A device dashboard to display information about Db2 instances

Enhancements and Issues Addressed

This release includes the following enhancements and addressed issues:

- Resolved an issue that could cause additional Database-level Dynamic Applications to be aligned with the default SNMP credential if component information was not available when the "IBM DB2: Dynamic Application Alignment" run book policy and action were run. This issue impacted users on Skylar One version 12.5.20 and later.
- Updated database discovery so that the PowerPack discovers only local database instances, where the directory entry type is "indirect". Remote catalog entries and other non-local entry types, such as LDAP, are now excluded from discovery to prevent the PowerPack from monitoring duplicate instances.
- Updated the "silo_ibm_db2" library to 102.2.2 to fix the “Percentage of SQL Statement Failures” metric reporting values over 100%. (Case: 00692467)

Known Issues

The following known issues affect version 108 of the "IBM: DB2" PowerPack:

- If a device raises the following communication error, increase the value in the ***Timeout (ms)*** field of the database credential (Manage > Credentials) to resolve the error:

```
[IBM][CLI Driver] SQL30081N A communication error has been detected.
Communication protocol being used: "TCP/IP". Communication API being
used: "SOCKETS". Location where the error was detected:
"10.2.21.253". Communication function detecting the error:
"selectForRecvTimeout". Protocol specific error code(s): "115", "*",
"*". SQLSTATE=08001 SQLCODE=-30081
```

- Historic data is not preserved when upgrading from version 100, 101, or 102 to version 103 or greater of the PowerPack. Databases are discovered under Instances and Tablespaces are discovered under Databases. As a result, some Dynamic Applications have been relocated to the Database and Tablespace level. Due to the relocation of these Dynamic Applications, historical data will be lost.
- You may see the message "*<Metric Name>* is not valid in the context where it is used. SQLSTATE=42703 SQLCODE=-206" in the component log. This could happen in certain versions of Db2 such as version 9.7, in which some metrics monitored do not exist.
- This PowerPack does not currently support multiple Db2 paths per credential.
- This PowerPack does not currently support Military Unique Deployment (MUD) systems.
- When using the IBM DB2 PowerPack, some errors are logged to the collector syslog due to missing permissions. These errors will not cause any collection issues, but can be bothersome if you are monitoring the syslog. To clean up the errors, run the following commands on the collector you will be using to monitor your Db2 servers:

```
sudo chmod o+w /usr/lib64/python2.7/site-packages/clidriver/
```

```
sudo chmod o+w /usr/lib64/python2.7/site-
packages/clidriver/cfgcache/conlic.bin
```

- For Linux and Unix users, the user profiles that you create on the database will likely need to use a shell. If that is the case, Linux users should use Bash and Unix users should use KornShell. You should not use Shell (sh) as the user shell, as doing so could result in shell-related errors appearing in the Device Log.

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800-SCI-LOGIC (1-800-724-5644)

International: +1-703-354-1010