



MySQL PowerPack Release Notes

Version 102

Overview

Version 102 of the MySQL PowerPack includes a new sample credential and updates to Dynamic Applications and Device Categories.

- **Minimum Required SL1 Version:** 10.1.0

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Before You Install or Upgrade

Ensure that you are running version 10.1.0 or later of SL1 before installing MySQL version 102.

NOTE: For details on upgrading SL1, see the appropriate Release Notes .
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Installation and Upgrade Process

To install this PowerPack:

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 10.1.0 or later release.
3. Download the MySQL version 102 PowerPack from the Support Site 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 MySQL version 102.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the *PowerPacks* manual.

Features

Version 102 of the MySQL PowerPack includes the following features:

- Dynamic Applications to discover, model, and monitor performance metrics and collect configuration data for MySQL servers and instances.
- Execution environments to process data and commands for MySQL.

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 102 of the *MySQL PowerPack*:

- The "silos_apps" content library was updated to version 3.1.4.
- The "MySQL EE v1.0" execution environment was added to the PowerPack.
- The "MySQL Example Credential SSL" example credential was added to the PowerPack to support loading SSL certificates on the database connection. (Support Case: 00203146; JIRA ID: SOL-15582)
- The "Database.Application" Device Category has been applied to the "MySQL Server" Device Class.
- The "Database.Instance" Device Category has been applied to the "MySQL Instance" Device Class.
- The "Slow Queries Rate" presentation object was added to the "MySQL: Instance Overall Performance" Dynamic Application.
- The "Slow Queries" collection object was added to the "MySQL: Instance Overall Performance" Dynamic Application.
- The following collection objects were added to the "MySQL: Instance Configuration" Dynamic Application:
 - Long Query Time
 - Query Not Using Indexes
 - Slow Admin Statements

NOTE: To collect these metrics, your MySQL slow query log needs to be turned on.

- The following collection objects were added to the "MySQL: Instance InnoDB Buffer Pool Performance" Dynamic Application:
 - Log Waits
 - Log Wait Rate
 - Log Write Requests
- The "Table Locks Immediate Rate" collection object was added to the "MySQL: Instance Table Locking Performance" Dynamic Application.
- The following Dynamic Applications were updated to have **Collector Affinity** set to *Root device collector* by default:
 - MySQL: Discovery
 - MySQL: Instance Configuration
 - MySQL: Instance Discovery

- MySQL: Linux Instance Error Log Configuration
- MySQL: Windows Instance Error Log Configuration
- The following Dynamic Applications were updated to have **Collector Affinity** set to *Assigned collector* by default:
 - MySQL: Events Errors Summary Configuration
 - MySQL: Instance Commands Performance
 - MySQL: Instance Handler Performance
 - MySQL: Instance InnoDB Buffer Pool Performance
 - MySQL: Instance InnoDB Configuration
 - MySQL: Instance InnoDB Data Performance
 - MySQL: Instance InnoDB Row Performance
 - MySQL: Instance Overall Performance
 - MySQL: Instance Sort and Select Performance
 - MySQL: Instance Table Locking Performance
 - MySQL: Instance Threads and Connections Performance
 - MySQL Performance Schema Statements Configuration
 - MySQL: Performance Schema Summary Statement Configuration
 - MySQL: Process List Configuration
 - MySQL: Statements With Error/Warning Configuration
- The SQL Log Reader for PowerShell systems was updated to validate query results before checking for errors.
- An issue was addressed in the "MySQL: Discovery" Dynamic Application in which it was not discovering MySQL instances on slow Windows systems. Support was added to use the **Timeout** field in the SOAP/XML credential to address this issue. (Support Case: 00239606; JIRA ID: SOL-18318)

Known Issues

The following known issues affect version 102 of the MySQL PowerPack:

- When the server log level variable (log_error verbosity on MySQL, log_warnings on MariaDB) is set to information on a monitored device, a "Got Packets out of order" message may appear in some entries every 15 minutes.
- Version 102 of the MySQL PowerPack does not support error logs from MySQL on a Docker container.
- The MySQL PowerPack only parses errors (and not warnings) from the files set by the variable log_error. If it is set, it does not parse from stderr
- Users need to have permission to read the MySQL error log file on Linux servers. To enable this, execute the following command:

```
sudo usermod -a -G mysql <ssh user>
```

- The MySQL PowerPack is not supported on Military Unique Deployment (MUD) systems.
- The `caching_sha2_password` plugin is not supported in MySQL 8. Users should use `mysql_native_password`.

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