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# Microsoft: SQL Server Enhanced SL1 Dashboards PowerPack Release Notes

Version 100

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## Overview

Version 100 is the initial version of the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack. Version 100 includes Dashboards that present graphical representations of the configuration data and performance metrics that are collected for Microsoft devices by the *Microsoft: SQL Server Enhanced PowerPack*.

**NOTE:** These dashboards are intended for use only in the new user interface for SL1 and will not load in the classic ScienceLogic platform user interface.

- **Minimum Required SL1 Version:** 8.8.0
- **Minimum Required AP2 Version:** 5.114.6
- **Minimum Required Widget Components Version:** 2.168.10
- **Minimum Required Microsoft: SQL Server Enhanced PowerPack version:** 101
- **Support Status:** Beta

This document describes:

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

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## Before You Install

Before installing the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack version 100, you must first ensure that you are running version 8.8.0 or later of SL1, AP2 version 5.114.6 or later, and Widget Components version 2.168.10 or later.

**NOTE:** For details on upgrading SL1, see the appropriate SL1 [Release Notes](#).

You must also import and install the *Microsoft: SQL Server Enhanced PowerPack* version 101 or later before installing the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack version 100.

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## Installation Process

To install version 100 of the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack, perform the following steps:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. If you have not done so already, upgrade your SL1 system to the 8.8.0 or later release.
3. If you have not done so already, install the *Microsoft: SQL Server Enhanced* PowerPack version 101 or greater.
4. Download version 100 of the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack from the Customer Portal to a local computer.
5. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 100 of the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack.
6. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.

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## Included Features

The following dashboards are included in version 100 of the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack:

- A "Microsoft: SQL Server Enhanced Performance" dashboard, which includes the following widgets that display overview data about your SQL servers:
  - SQL Server Instance List
  - Selected SQL Server Database List
  - Instance Session Rates
  - Database Utilization
  - Instance Times
  - Database Size
  - Instance Memory
  - Instance Buffer Rates
  - Instance Counts
  - Database Rates
  - Instance Table Lock/Latch Rates
  - Instance Hit Ratios
  - Database Counts
  - Database Ratios

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## Known Issues

The following known issue affects *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack version 100:

- Dashboard widgets might be slow to load or display red bells. If this occurs, you can do the following to address the issue:

1. Start an SSH session into your SL1 appliance.
2. At the shell prompt, enter the following to open the `em7_limits.conf` file for editing:

```
cd /etc/nginx/conf.d
sudo cp em7_limits.conf em7_limits.conf.backup
sudo vi em7_limits.conf
```

3. Locate the line that begins with "`limit_req zone=addr_req`" and update it to the following:

```
limit_req zone=addr_req burst=5000 nodelay;
```

4. Locate the lines that begin with "`limit_conn`" and update them to the following:

```
limit_conn perip 10000;
limit_conn perserver 10000;
```

5. Restart nginx. To do this, enter the following at the shell prompt:

```
sudo systemctl restart nginx
```

- Dashboards might not appear immediately in the SL1 user interface after you import the *Microsoft: SQL Server Enhanced SL1 Dashboards* PowerPack using the PowerPack Importer. If this occurs, you can do the following to address the issue:

1. Type the following URL into your web browser:

```
https://<hostname or
ip>/gql?query=mutation%20%7B%20importContentObjectsFromPowerPackQueue%20%7D%0
A
```

2. When prompted, enter your user credentials.
3. Click the GraphQL "play" button. If successful, a "true" message appears in the right-hand panel.
4. Verify that the dashboards now appear by returning to the **Dashboards** page and refreshing your web browser.

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