

Microsoft® SQL® Content Pack

- **Overview:**

The Microsoft® SQL server® content pack provides a set of dashboards, pre-defined extracted fields, queries and alerts which can be imported to any instance of Log Insight to provide easier to read and more organized monitoring to server administrators. It gives you a convenient overview of the major parameters of MS SQL server which play a necessary role in analyzing the overall health of a MS SQL server.

- **Highlights:**

- Organized and simplified log analysis for MS-SQL Server
- Logically grouped widgets for easier readability and monitoring
- Pre-defined alarms to alert and enable early resolution of problems.

- **Description:**

The content pack for Microsoft® SQL Server® provides system and operations administrators with information about key entities of any MS SQL server. The content pack has 5 dashboards, 24 widgets, 3 queries in a query dashboard and 6 alarms.

The content pack offers the following:

General overview and connection related events of MS SQL server:

Holds information about various errors encountered in MS SQL server along with the severity and state of the error. Enables monitoring the sessions/connections over time and the logins to the SQL server and alert the database administrator in case of multiple failed login attempts.

Corruption, Deadlock Issues:

Alerts the administrator and gives a detailed view of various corruption events such as database corruption, index corruption etc. It also alarms for transaction deadlock related issues where resources are deadlocked and the queries have to be rerun.

Server related errors and invalid queries:

MS SQL server can encounter various media failure and database engine software related errors. Here you can monitor the various server related issues and raise an alarm to rectify it. Along with this you can also see errors related to insufficient resources, and invalid queries.

- **Tech Specs:**

- **Compatibility:**

- MS SQL server version 2008, 2012, 2014 and 2016

- **Installation**

- Navigate to the "Content Pack" menu in Log Insight. Select the "Import Content Pack" button. In the "Import Content Pack" menu, do the following:
 - Select the "Browse..." button and select the content pack you are trying to import
 - Select the "Install as content pack" radio button
 - Select the "Import" button
 - Alternately, you can also install the content pack from the marketplace available on Log Insight UI
 - On Log Insight UI, browse to Content Pack ->Marketplace
 - Click on the content pack and then click 'Install'

- **Configuration:**

The "**Microsoft – SQL Server**" content pack requires the use of the Log Insight agent with the cfapi protocol (default) and the included agent group configuration. To apply the agent group configuration:

- * Go to the **Administration -> Management -> Agents** page (requires Super Admin privileges)
- * Select the **All Agents** drop-down at the top of the window and select the **"Copy Template"** button to the right of the "**Microsoft – SQL Server**" agent g
- * Change the log directory of MSSQL as per the environment by using Build/Edit mode.roup
- * Add the desired filters to restrict which agent receive the configuration (optional)
- * Select the "Refresh" button at the top of the page
- * Select the "Save Configuration" button at the bottom of the page

Note:

- The reason of the missing logs can be incorrect log directory of MSSQL. Do not forget to update the directory in agent group config as per the environment.
- This content pack does not read SQL Server backup reports which are encoded as UTF8/ASCII.

IMPORTANT: If you have already enable some of the winlog channels on the mentioned agent you will get the configuration error or duplicate logs. To avoid such situation before applying "Microsoft - SQL" agent group make sure that there is no any winlog channel enabled.
(One of the conflict reason can be already installed "Microsoft - Windows" CP that is enable winlog channel)