

MSSQL

Background

The MSSQL Server log analysis App automatically Collect - Read - Parse - Analyzes - Reports all database generated error logs data of the server and presents a comprehensive set of graphs and reports to analyze DB generated data. Use a predefined set of dashboards and gadgets to visualize and address the system software, code written, and infrastructure during development, testing, and production. This MSSQL Server log analysis App helps measure, troubleshoot, and optimize your data bases integrity, stability and quality with the several visualization and investigation dashboards.

Steps:

1. MSSQL Server App is running on the MSSQL default ERRORLOG.
When adding/editing the logs to XpoLog it is mandatory to apply the correct log type(s) to each of the logs:
 - a. **mssql** - all logs that the application will analyze must have **mssql** as a log type.
 - b. **database** - all logs that the application will analyze must have **database** as a log type.
 - c. **error** - only the Error log must also be configured to have **error** as a log type.
2. By default, the error log is located at: *Program Files\Microsoft SQL Server\MSSQL.n\MSSQL\LOG\ERRORLOG and ERRORLOG.n files*
Therefore the suitable default log path should be: **[INSTALL_DIRECTORY]\Microsoft SQL Server\MSSQL{string}.\{string}\MSSQLLog\ERRORLOG{string}**
3. Encoding: ERRORLOG encoding is **UCS-2 LE BOM** which may not be parsed properly using the default character set. Enter Advanced Settings -> Regional Settings and choose the character set **UTF-16LE**
4. Once the required information is set, click next and edit the log pattern, this step is crucial to the accuracy and deployment of the MSSQL Server App. Use the following pattern for the log:
MSSQL Error log:
**{date:Date,yyyy-MM-dd HH:mm:ss.SS} {text:event,ftype=eventName}
{regexp:ErrorCode,refName=Message;ftype=errorCode,Error: (d+).*}{regexp:Severity,refName=Message,Severity: (d+).*}{regexp:State,refName=Message,State: (d+).*}{regexp:User,refName=Message,(login \u0022|user \u0027)[XPLG_PARAM([\u0027\u0022]+)].*}{regexp:DB,ftype=database;refName=Message,database \u0027([\u0027]+).*}{regexp:Failure_Message,refName=Message,Reason: ([\u005B]*).*}{regexp:Client,ftype=source;refName=Message,\u005BCLIENT:\s([\u005D]*).*} {string:Message,ftype=message}**