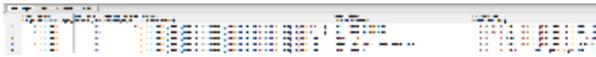
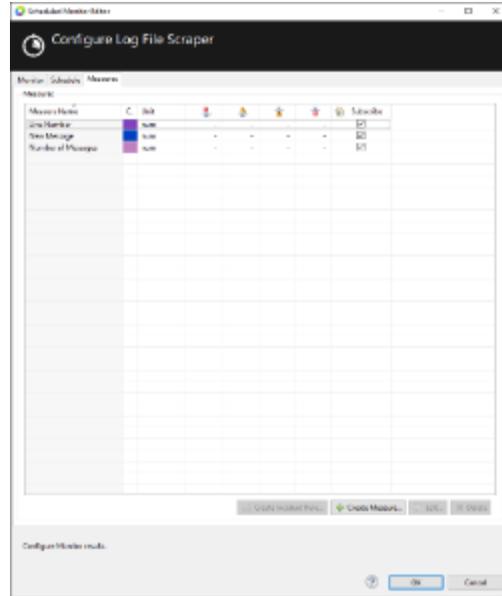
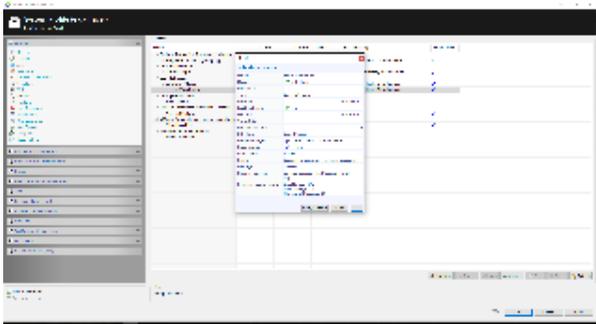


# Log File Monitor

## Overview

The monitor searches a Windows or Linux log file for text or regular expression and returns if a new line was found, and the last line number to contain the regex.

The Log File Scraper stores the last result and position in the monitored file in a Oracle, PostgreSQL, or SQL Server database so that it knows the last position the time it ran so it's not reading the same lines over and over. If the log file rolls over the monitor is smart enough to see that and starts from the beginning of the file again. The tables in the database (or App Mon Performance Warehouse) can be created by running the attached scripts. The scripts will create the table LogFileMonitor and LogRecords tables on the database.



Column Name	Data Type	Allow Nulls
LogID	numeric(18, 0)	<input type="checkbox"/>
OS	varchar(MAX)	<input checked="" type="checkbox"/>
Timestamp	numeric(18, 0)	<input checked="" type="checkbox"/>
Directory	varchar(MAX)	<input checked="" type="checkbox"/>
SearchTerm	varchar(MAX)	<input checked="" type="checkbox"/>
Server	varchar(MAX)	<input checked="" type="checkbox"/>
LogMessage	varchar(MAX)	<input checked="" type="checkbox"/>

LogRecord Table Schema

## Plugin Details

<b>Plug-In Versions</b>	<p>Log File Monitor for Windows and Linux 3.16.6 (for dynaTrace &gt;= 5.5)</p> <p>Content:</p> <ul style="list-style-type: none"> <li>• com.logfile_3.16.6.jar: Plugin</li> <li>• MS_SQL_LogFileMonitor.sql: SQL Server Commands to create LogFileMonitor Table</li> <li>• MS_SQL_LogRecords.sql: SQL Server Commands to create LogRecords Table</li> <li>• Oracle_CreateTable.sql: Oracle Commands to create Tables</li> <li>• PostGreSQL_CreateTable.sql: PostgreSQL Commands to create Tables</li> </ul>
<b>Author</b>	<p>Derek Abing</p> <p>Joshua Raymond</p>

<b>License</b>	dynaTrace BSD
<b>Support</b>	<p><b>Not Supported</b></p> <p>If you have any questions or suggestions for these plugins, please add a comment to this page, use our <a href="#">forum</a>, or drop us an email at <a href="mailto:apmcommunity@dynatrace.com">apmcommunity@dynatrace.com</a>!</p>
<b>Known Problems</b>	
<b>Release History</b>	<p>2013-03-12 Initial Release for Windows Log Files Only</p> <p>2013-12-18 Log File Monitor for Windows and Linux</p> <p>2014-10-22 Update for Windows and Linux Monitor - 3.15.5</p> <ul style="list-style-type: none"> <li>• Added support for Oracle and PostgreSQL Databases</li> <li>• Improved plugin logging</li> <li>• Enhanced insertion of data into LogFileMonitor table</li> </ul> <p>2015-04-09 Patch for Windows and Linux Monitor - 3.15.7</p> <ul style="list-style-type: none"> <li>• Improved logging for FileNotFoundException exceptions within Windows monitor</li> <li>• Improved hints within plugin configuration to indicate Windows monitor requirements</li> </ul> <p>2016-06-19 Update for Windows and Linux Monitor - 3.16.2</p> <ul style="list-style-type: none"> <li>• Added support for SSH Keys</li> <li>• Added support for local Collector server logs</li> </ul> <p>2017-03-17 Patches for windows compatibility</p> <ul style="list-style-type: none"> <li>• Defaulted Windows OS to "Local" connection method (even UNC file share paths are accessed "locally")</li> <li>• Fixed issue when using linux wildcards (Regexes)</li> <li>• Changed "ls" command parameter order to support Solaris OS</li> </ul> <p>2018-01-11 Update for PostgreSQL Drivers and UTF-16 Encoding</p> <ul style="list-style-type: none"> <li>• Updated PostgreSQL Drivers</li> <li>• Included support for UTF-16 encoding in addition to the default UTF-8 support</li> </ul>

## Provided Measures

**Line Number:** The Line Number of the last known occurrence of the specified search term.

**New Message:** Returns a 1 if a new entry was made to log file with the search term specified.

**Number of Messages:** The number of lines that matched the Search Term.

## Configuration

Name	Value
OS	Dropdown for selecting either Windows or Linux
Connection Type	For Linux connections, determines if a local log file or a remote host is being monitored (SSH) with relation to the AppMon Collector.
SSH Type	For SSH connections, defines whether a password or public key is used for the SSH connection. Currently, only .pem keys are supported.
Linux Username	Linux Username to use.
Linux Password	Linux password to use
Directory	The network path to the shared file on the server that contains the log file. Example: /myapplication/logs/ This entry will be combined with the host name to create the network path to the file: //localhost/myapplication/logs/

File Regex	If this is selected then the file must be specified in terms of a regex expression. If the directory contains multiple files that match the regex the newest file will be selected
File	The File that you wish to search. If the File Regex option is checked, then this must be a regex. If running using Windows, this file must be shared to the user running the dynaTrace Collector.
Search Term	A regex of what you wish to search for within the log file. The search is completed per line. Example <code>*Warning.*</code>
Database Type	The type of database where the log file scraper entries will be stored.
Database Server	SQL Server to contain the repository of log file searches
Database Port	Port to connect to on the database server. Default ports are: Oracle: 1521, SQL Server: 1433, PostgreSQL: 5432
Database Name	The database to use for the log file repository.
Database Username	Username used to connect to the SQL Database
Database Password	The password for the username used to connect to the SQL database
Additional Lines	Amount of additional lines to include in file after the log message is found
Skip Additional Records	If this box is checked, records included in the additional lines will be skipped for processing
Keep Historical Record	If this box is checked, a historical record of each log message will be added to the LogRecords database. This database can then be queried for a list of all log messages matching a specific search and the corresponding timestamps

## Installation

Import the Plugin into the dynaTrace Server. For details how to do this please refer to the [dynaTrace documentation](#).

## Contribution

Feel free to contribute any changes on [Github](#)