

Message Flow Statistics Monitoring Plugin

Overview



This monitor collects message flow statistics by connecting to the MQ Manager.

Plugin Details

Plug-In Versions	MessageFlowStatistics_2.0.0.jar MessageFlowStatistics_2.0.1.jar MessageFlowStatistics_2.0.2.jar MessageFlowStatistics_2.0.3.jar
dynaTrace Versions	>= 5.5
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License	dynaTrace BSD
Support	Not Supported
Known Problems	
Release History	2013-03-05 Initial Release

Provided Measures

The following statistics are collected for each message flow:

- TOTAL_ELAPSED_TIME
- ELAPSED_TIME_PER_MESSAGE
- MAXIMUM_ELAPSED_TIME
- MINIMUM_ELAPSED_TIME
- TOTAL_CPU_TIME
- CPU_TIME_PER_MESSAGE
- MAXIMUM_CPU_TIME
- MINIMUM_CPU_TIME
- CPU_TIME_WAITING_FOR_INPUT_MESSAGE
- ELAPSED_TIME_WAITING_FOR_INPUT_MESSAGE
- TOTAL_INPUT_MESSAGES
- TOTAL_SIZE_OF_INPUT_MESSAGES
- MAX_SIZE_OF_INPUT_MESSAGES
- MIN_SIZE_OF_INPUT_MESSAGES
- NUM_THREADS_IN_POOL
- TIMES_MAX_THREADS_REACHED
- TOTAL_NUM_MQ_ERRORS
- TOTAL_NUMBER_OF_MESSAGES_WITH_ERRORS
- TOTAL_NUMBER_OF_ERRORS_PROCESSING_MESSAGES
- TOTAL_NUMBER_OF_TIMEOUTS_WAITING_FOR_REPLIES_TO_AGGREGATE_MESSAGES
- TOTAL_NUMBER_OF_BACKOUTS
- TOTAL_NUMBER_OF_COMMITS

Configuration

The plugin can be run on any collector. In order for this plugin to work, ensure that SYSTEM.ADMIN.SVRCONN type channel is created on the MQ Manager. This is the channel that the MQ Manager would publish the statistics information.

For this monitor to work, ensure that the message flow statistics are enabled. To enable it, run the following command on the broker:

```
mqsichangeflowstats BrokerName -s -g -j -n advanced -t basic -b basic -c active -o xml
```

Restart the broker after executing the above command.

For more information, go to

<http://www-01.ibm.com/software/integration/wbimessagebroker/library>

When configuring the monitor to run in the dynaTrace environment, use the following value for the entry Stats Subscription Topic:

```
$SYS/Broker/+/StatisticsAccounting/SnapShot/#
```

This monitor works for IBM Message Broker 7.0 and higher. Additionally, for this monitor to work in dynaTrace, version 4.2.0.3170 and higher is required.

Installation

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