

# Transaction Log Statistics

The Transaction Log Statistics report provides data about the database transaction log size and activity on a per-database basis. You can display your results in hours or days, depending on the sample range selected. Note that SQL Diagnostic Manager displays the Cache Reads and Flushes chart types as data per second.

Select a metric from the Chart Type drop-down list to be displayed in this report: **Cache Hit Ratio**, **Cache Reads**, **File Size**, **Flush Waits**, **Flushes**, and **Kilobytes Flushed**.

## When to run this report

You should run the Transaction Log Statistics report when attempting to troubleshoot performance problems related to transaction logs.

## How SQL Diagnostic Manager calculates metric values on this report

Most values on the Transaction Log Statistics report correlate with the related SQL Server metric. However, some metric values represent averages over time. Likewise, a few metric values are based on performance algorithms that use multiple statistics to calculate a more accurate metric.

You can access our [Customer Support Portal](#) for more information about the algorithm used to calculate a specific metric.

- How is the Worst Performing and Most Frequent Queries information gathered? - Solution #00000412
- How does SQL Diagnostic Manager gather statistics from monitored SQL Servers? - Solution #00000055
- How does SQL Diagnostic Manager calculate the reorganization percentage for database tables? - Solution #00000301
- What does the 'Memory Usage' metric in the Console and Reports represent? - Solution #00002237

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