

Configure wait monitoring

SQL Diagnostic Manager allows you to collect and view wait statistics on the selected SQL Server instance. Wait statistics offer one of the best ways to diagnose why a bottleneck is occurring on your system.



Query Store

Query Store is now an option for query plan collection and monitoring. Query Store must be enabled on the monitored instance, along with Query Monitor and Query Waits.



SQL Diagnostic Manager does not change Query Store selections at this time. Try the [IDERA SQL Query Store Optimizer](#) for more on Query Store improvements

The screenshot shows the 'Monitored SQL Server Properties' window with the 'Wait Monitoring' tab selected in the left-hand navigation pane. The main content area is titled 'Configure Wait Monitoring' and contains the following sections:

- What is the current status of the query-level wait collector?**
 - An information icon followed by text: 'The query-level wait collector can be started either by the scheduled refresh or by opening the Query Waits view. Stopping the collector here will not prevent the collector from being restarted if the view remains open.'
 - 'Query-Level Wait Collector Status: Not Running' with a 'Refresh' button.
- What data should be excluded from query wait collection?**
 - Text: 'Filters apply to both scheduled and on-demand collection.' with a 'Filter Options...' button.
- Collect query-level wait statistics historically?**
 - An information icon followed by text: 'System-level wait monitoring is enabled at all times, but by default query-level wait statistics are only available in real time. Enable scheduled or continuous collection and storage of wait statistics below. This collection may impact performance on some systems. Schedule times should be specified in the monitored server's time zone.'
 - ☐ Collect query wait statistics (SQL 2005+ only)
 - ☐ Collect at a specified time and duration
 - Server Time: 5/14/2024 4:29 AM
 - Start Time: 05/14/2024 04:29 AM
 - Duration (hh:mm): 00:30
 - ☒ Collect indefinitely
 - ☐ Use Query Store (SQL 2017+ only)

At the bottom right of the window are 'OK' and 'Cancel' buttons.

The Wait Monitoring tab of the Monitored SQL Server Properties window allows you to configure how SQL Diagnostic Manager collects wait statistics.

- View, start, stop, and refresh the query-level wait collector.
- Collect query-level wait statistics historically and set the time to collect them.



Overly complex filters of SQL Text using Extended Events can cause high loads on the monitored instance due to a known Microsoft defect.

When to use wait monitoring

Wait Monitoring helps you diagnose congestion or blocks on your system. You should enable Wait Monitoring for the time period required to diagnose specific issues you experience. When your diagnosis is complete, disable Wait Monitoring.

Access the Wait Monitoring tab

You can access the Wait Monitoring tab of the Monitor SQL Server Properties window by right-clicking the appropriate monitored SQL Server instance and selecting **Properties**. Click **Wait Monitoring** when SQL Diagnostic Manager displays the Monitored SQL Server Properties window.

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