

SentryOne Database Maintenance

Last Modified on 05 August 2021

Overview

It's important that regular maintenance activities be performed on the SQL Sentry database to ensure optimal performance. The following are suggested practices for performing such maintenance.

Maintenance Schedule Summary

Maintenance should be performed on the following schedule:

Nightly

- Update Statistics
- Database Backups

Weekly

- Database integrity checks (some may choose nightly checks, but depending on your hardware, weekly should be enough for most)

Monthly

- Defrag Operations (consider weekly if problems arise)

Maintenance Details

SQL Sentry Database Maintenance Window

The [Maintenance Window](#) should also be configured with the above activity scheduled to avoid excessive **Failsafe Notifications**.

Statistics

Disable auto update stats

```
SET AUTO_UPDATE_STATISTICS OFF
```

Disable auto create stats

```
SET AUTO_CREATE_STATISTICS OFF
```

Update Statistics

Set daily statistics maintenance jobs. The following boxes list tables that are suggested for statistics updates. If you have the [scalability pack](#) installed, you cannot (nor do not need to) update statistics on the *PerformanceAnalysisData...* tables.

Tables to update statistics on if **not using the scalability pack**:

- PerformanceAnalysisData
- PerformanceAnalysisDataDatabaseCounter
- PerformanceAnalysisDataDiskCounter
- PerformanceAnalysisDataTableAndIndexCounter
- EventSourceHistory
- PerformanceAnalysisDataRollup2
- PerformanceAnalysisDataRollup4
- PerformanceAnalysisDataRollup6
- PerformanceAnalysisDataRollup8
- EventSourceHistoryDetail

Tables to update statistics on if **using the scalability pack**:

- EventSourceHistory
- EventSourceHistoryDetail

For a SQL Sentry database hosted on a version of SQL Server prior to 2016, consider setting trace flag 2317:

```
DBCC TRACEON (2371,1);
```

[Additional Information](#): See the [Controlling Autostat \(AUTO_UPDATE_STATISTICS\) behavior in SQL Server](#) article from Microsoft for more information about the trace flag and compatibility level settings for SQL Server 2016 or later.

Database Backups

- The SQL Sentry database **Recovery model** defaults to *Simple*. Nightly backups should be sufficient, but

High Availability / Disaster Recovery

The SQL Sentry database supports all SQL Server HA/DR options available, including log shipping, clustering, and availability groups.

Note: If using availability groups, you will need to update your hardware key to reflect the availability group ID. See the [Hardware Key](#) and [Hosting the SQL Sentry Database On An Availability Group](#) sections of the [License Management](#) article for full instructions.

Other

SQL Server Agent Alerts

Set alerts on the following SQL Server errors to alert you to potential database corruption:

- [Error 823](#)
- [Error 824](#)
- [Error 825](#)

[Additional Information:](#) See the [SQL Server Agent Alerts](#) post from Tim Radney on the [SQLPerformance](#) blog for more information about configuring SQL Server Agent alerts.

Apply Data Compression

SQL Server data compression may be applied to certain tables in the SQL Sentry database for increased performance. See the [Apply SQL Server Data Compression](#) article for full details and scripts.