



# DB Ace Enterprise for SQL Server® 2.1.1

## - Release Notes

Sep 2023

### About DB Ace Enterprise for SQL Server®

Toska DB Ace Enterprise for SQL Server is a powerful SQL tuning tool that can automatically tune your problematic SQL by just pointing and clicking. Before using this tool, you don't have to know anything about SQL tuning. Our product will automatically generate better SQL alternatives with SQL Server hints application, SQL syntax rewrite, and index recommendations to improve your SQL statements. Furthermore, Toska DB Ace Enterprise supports Plan Guide and Query Store tuning, by which you don't have to change your source code to improve your SQL performance.

### Supported SQL Server® versions

SQL Server® 2005 or higher

### New Features

#### DB Ace Enterprise for SQL Server 2.1.1

DB Ace Enterprise 2.1.1 is a hotfix version that includes bug fixes only.

#### Resolved Issues in 2.1.1

| Feature                  | Resolved Issue  | Issue ID |
|--------------------------|---|----------|
| Tune SQL with Plan Guide | Fixed an issue that the Plan Guide SQL Property window shows the wrong UI for the "SQL from a database object" option if the database name contains special characters or does not start with an alphabet letter. | STES-833 |
| Tune SQL with Plan Guide | Fixed an issue with the wrong selection in Object Explorer in the Plan Guide SQL Property window.   | STES-835 |
| Navigation Panel         | Fixed an error when opening a history session.  | STES-837 |



## DB Ace Enterprise for SQL Server 2.1.0

DB Ace Enterprise 2.1.0 is a minor release that includes enhancements and fixes.

- **Test Run SQL**

Change the default test run option to “Run original SQL 2 times and other alternatives once”.

- **Tune SQL with Plan Guide, Tune SQL with Query Store**

Check if the plan guide is supported by the SQL Server database before starting SQL tuning.

### Resolved Issues in 2.1.0

| Feature                  | Resolved Issue  | Issue ID |
|--------------------------|---|----------|
| Plan Viewer              | Fixed an issue: some query plans are not displayed completely in the plan viewer. | STES-781 |
| Options                  | Fixed a language error when resetting options                                     | STES-787 |
| Connections Navigator    | Fixed an error when switching between connections.                                | STES-790 |
| Test Run                 | Fixed an error when the test ran SQL with a linked server.                        | STES-793 |
| Tune SQL with Plan Guide | Fixed an error when tuning SQL with bind variable in XQuery.                      | STES-794 |
| Test Run                 | Fixed an error when the test ran SQL in Tune SQL with Plan Guide.                 | STES-797 |



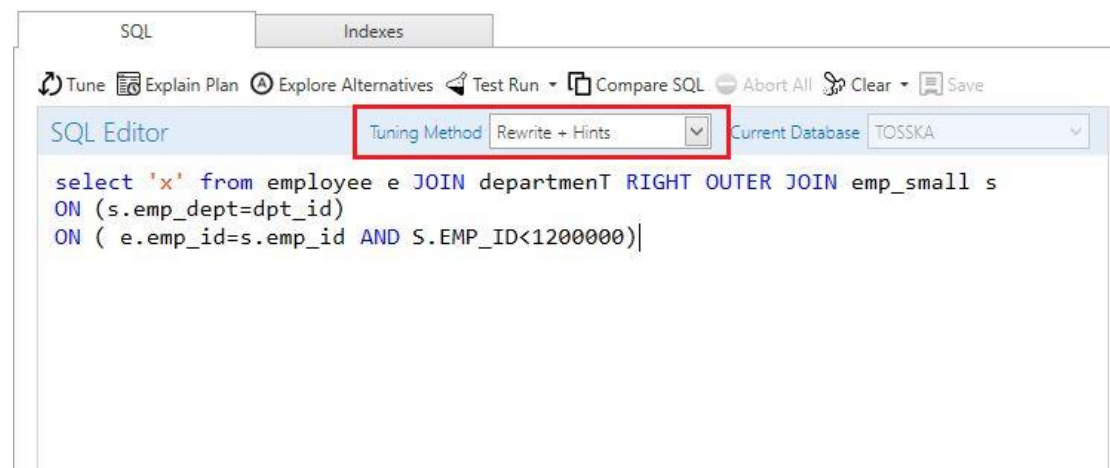
## DB Ace Enterprise for SQL Server 2.0.0

DB Ace Enterprise 2.0.0 is a major release that includes new features, enhancements, and fixes.

### Tune SQL

- **Rewrite and Hints Injection for Single SQL**

It is a very powerful tool to tune your SQL statements fully automatically without the need for the user's expertise involvement. Our AI engine will try the most effective hints combinations and semantic equivalent SQL alternatives to your SQL statement to explore potential better execution plans of your SQL statement. You can select the best-performance SQL alternative for your application after benchmarking all or selected SQL alternatives generated by the engine.



- **Recommend indexes for single SQL**

You can recommend indexes for single SQL with our AI technologies without compromising any overhead added. The feature will explore potential best indexes to improve the given SQL speed.



## Tune SQL with Plan Guide

Plan guides let you optimize the performance of queries when you cannot or do not want to directly change the SQL text of the actual SQL in your programs or database objects.

## Tune SQL with Query Store

Tune SQL from the Query Store without the need to change your source code. Query Store automatically captures a history of queries, plans, and runtime statistics, and retains these for your review. You can use SQL Server Management Studio to manage the SQL in Query Store.

## Manage Plan Guides

This module helps users drop or disable a selected Plan Guide created by users or by Tune SQL with Plan Guide.



## Manage Query Store

This module helps users unforce a query plan from a selected Query Store forced by users or by Tune SQL with Query Store.

### Resolved Issues in 2.0.0

| Feature  | Resolved Issue   | Issue ID |
|----------|--|----------|
| Tune SQL | Fixed an error when explaining the plan for specific SQL syntax. | STES-675 |