



Toska SQL Tuning Expert Pro for Oracle® 4.4.0 - Release Notes

Release Notes

Aug 2021

About Toska SQL Tuning Expert Pro for Oracle®

Toska SQL Tuning Expert Pro (TSE Pro™) for Oracle® is an automatic SQL tuning product that uses AI technology to tune your SQL statements by proprietary SQL Rewrite, Oracle Hints Injection, and exploring indexes technologies to improve your SQL statements' performance WITH or WITHOUT touching your source code. An intelligent cost-aware Indexes Advisor is also provided to recommend cost-effective indexes for a given SQL workload.

Supported Oracle® versions

Oracle® 11.2 or higher

Known Issues

1. Migration of SQL Patches or Plan Baselines from 12C or higher to 11G is not allowed.

SQL Tuning Expert Pro for Oracle 4.4.0

SQL Tuning Expert Pro 4.4.0 is a minor release that includes enhancements and fixes.

Tune Top SQL

Provide function to export all extracted top N SQL to excel or text file.

Extract SQL

Speed up to browse database performance statistics from AWR in Extract SQL window.

Resolved Issues in 4.4.0

Feature	Resolved Issue	Issue ID
SQL Tuning	Fixed an error when tuning SQL with a synonym for view.	TSEP-1310



SQL Tuning	Fixed an issue that Missing Privileges hyper link is not enabled in Extract SQL window.	TSEP-1330
SQL Tuning	Fixed an issue that the query plan is empty in Compare SQL window.	TSEP-1327

SQL Tuning Expert Pro for Oracle 4.3.0

SQL Tuning Expert Pro 4.3.0 is a minor release that includes enhancements and fixes.

Common

Improved the UI response performance.

Connection Manager

Improved the speed to login database and check privileges.

Recommend Indexes

Recommend indexes for SQL with READ ONLY view.

Resolved Issues in 4.3.0

Feature	Resolved Issue	Issue ID
SQL Tuning	Fixed an issue that data buffer is cleared during the Test Run when the "Flush data buffer before executing every SQL alternative" option is selected but the "Run all SQL once" is not selected.	TSEP-1368
SQL Tuning	Fixed a rewrite mistake for the specific syntax of SQL	TSEP-1382
SQL Tuning	Fixed issue that SQL text is wrapped in SQL Editor	TSEP-1397
SQL Tuning	Fixed an error when test run, tune SQL with bind variables in a CASE expression.	TSEP-1424
Common	Fixed an error when remote from Windows PC	TSEP-1383



Tune Top SQL Advise Indexes	Fixed an error when extract SQL from SGA	TSEP-1423
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SQL Tuning Expert Pro for Oracle 4.2.0

SQL Tuning Expert Pro 4.2.0 is a minor release which includes enhancements and fixes.

Common

Provide an option to specify decimal places to display for Seconds in a time value.

Connection Manager

Improved Connection Manager to show TNS names in file tnsnames.ora with incorrect format.

Tune SQL

Improved the SQL rewrite ability.

Resolved Issues in 4.2.0

Feature	Resolved Issue	Issue ID
SQL Tuning	Fixed an error when Tune SQL with view	TSEP-573
SQL Tuning	Fixed a rewrite mistake for the specific syntax of SQL	TSEP-1350
SQL Tuning	Fixed an error for SQL with USING join condition	TSEP-1356
SQL Tuning	Fixed an issue that SQL syntax is not supported when Windows default language is not English.	TSEP-1362



SQL Tuning Expert Pro for Oracle 4.1.0

SQL Tuning Expert Pro 4.1.0 is a minor release that includes enhancements and fixes.

Connection Manager

Improved Connection Manager to support TNS files with ifile definition inside.

Tune SQL

Improved the SQL rewrite ability.

Resolved Issues in 4.1.0

Feature	Resolved Issue	Issue ID
Connection Manager	Fixed an issue when connecting to 11G if FIPS is turned on	TSEP-568
Connection Manager	Corrected the grid position in the "New or Select Connection" window when no connection was created	TSEP-1324
SQL Tuning	Fixed an error when Tune SQL with trim function	TSEP-569
SQL Tuning	Fixed a rewrite mistake for the specific syntax of SQL with a subquery	TSEP-1335
SQL Tuning	Fixed an error when Deploy Plan Baseline or SQL Patch for Insert into statement.	TSE-1341

SQL Tuning Expert Pro for Oracle 4.0.0

SQL Tuning Expert Pro 4.0.0 is a major release that includes new features, enhancements, and bug fixes.

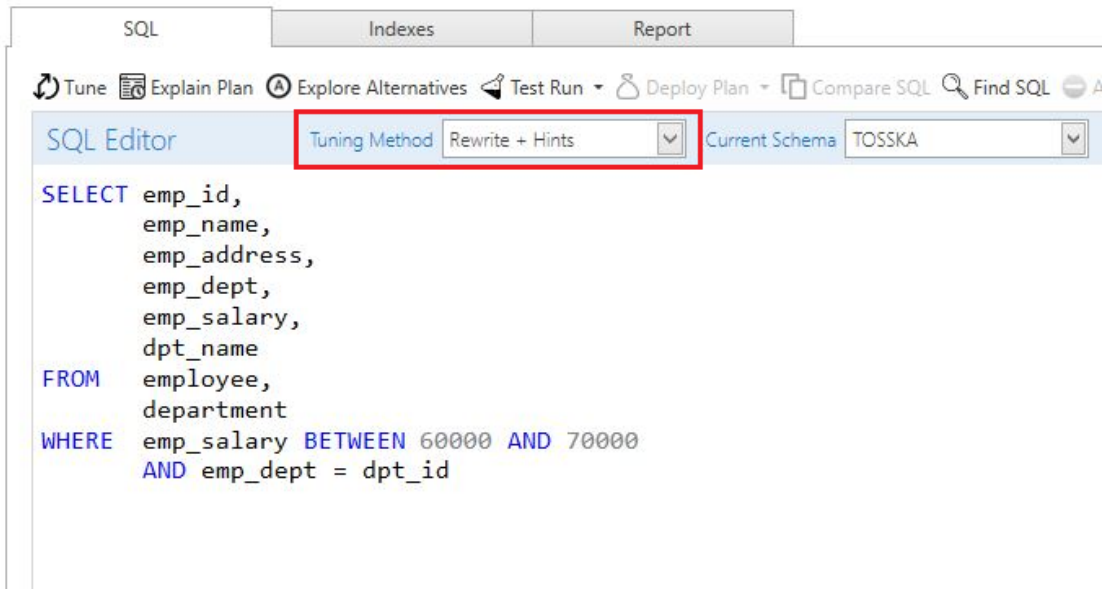
Tune SQL / Tune Top SQL

- Rewrite SQL

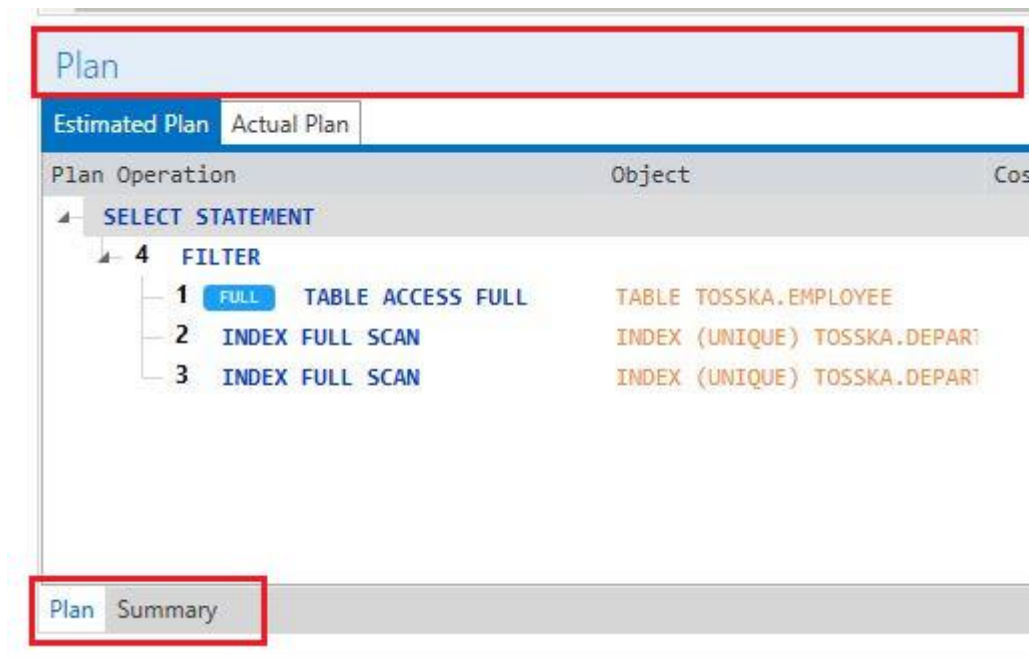
A new powerful A.I. SQL Rewrite Engine to help users to rewrite their problematic SQL statements to potential better semantical equivalent SQL alternatives. Users can



select “Rewrite + Hints”, “Rewrite Only” or “Hints Only” method in the “Tuning Method” dropdown menu to tell our A.I. Rewrite Engine which tuning method will be used to tune a given SQL.



- Recommend Indexes for single SQL
Speed up test run index sets
- Plan and Summary have separate docking panels. You can drag and drop to reorganize your layout.





Common

Support more SQL syntax.

Updated default UI layout.

Change Tree Plan to columns layout with access predicates and filter predicates added.

Resolved Issues in 4.0.0

Feature	Resolved Issue	Issue ID
Tune SQL Tune Top SQL	Fixed issue that DB time statistics is always 0 after test running of SQL alternatives	TSEP-1221
Tune SQL Tune Top SQL	Fixed an error when tune or test run update SQL statement if update table is a subquery	TSEP-1220
Tune SQL Tune Top SQL	Fixed an error when explain, tune or test run SQL with semicolon again after inputting return and new line at the end of SQL.	TSEP-1222
Tune SQL Tune Top SQL	Fixed an error when Explore Indexes if SQL contains functions with DB link.	TSEP-1180
Advise Indexes	Fixed an error when Advise Indexes	TSEP-1252