



Toska SQL Tuning Expert Pro for Oracle® 4.2.0 - Release Notes

Release Notes

Dec 2020

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 4.2.0

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 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 which 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 connect to 11G if FIPS is turned on	TSEP-568
Connection Manager	Corrected the grid position in "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 specific syntax of SQL with subquery	TSEP-1335
SQL Tuning	Fixed an error when Deploy Plan Baseline or SQL Patch for insert into statement.	TSE-1341



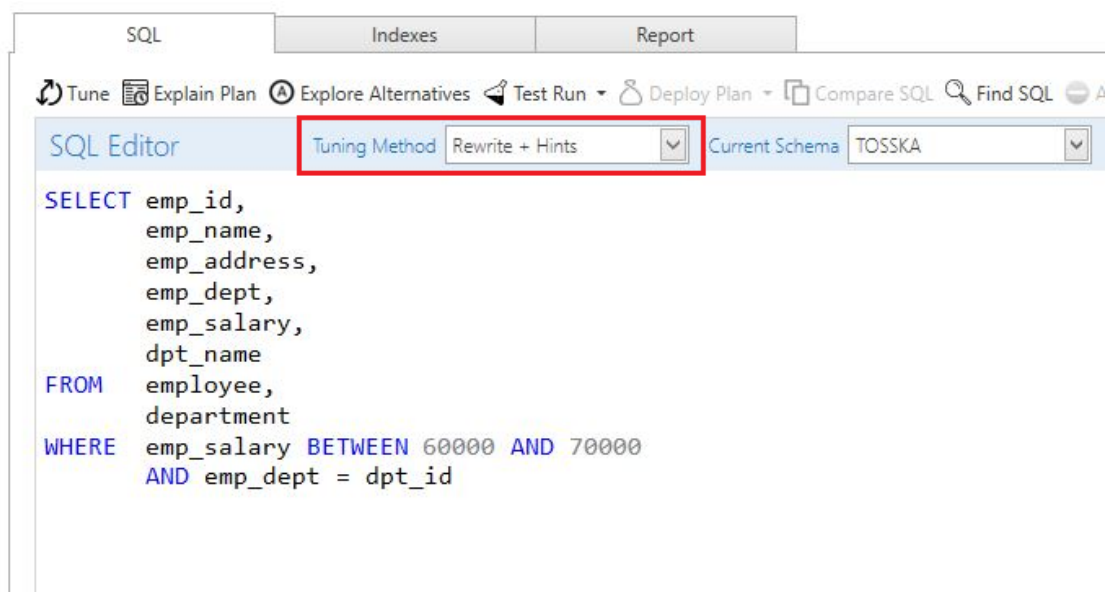
SQL Tuning Expert Pro for Oracle 4.0.0

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

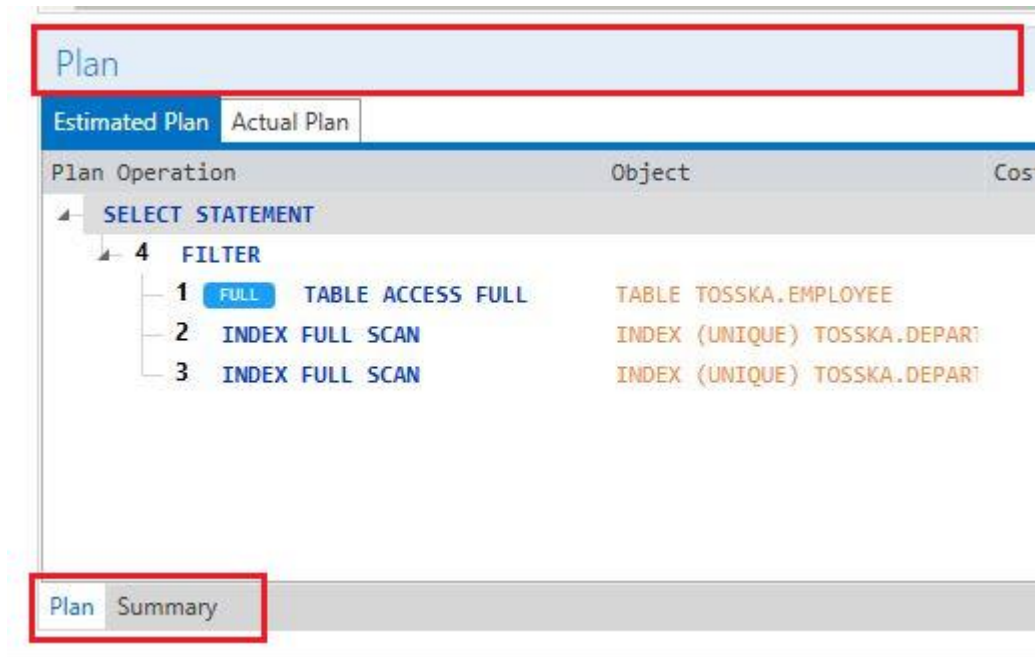
Tune SQL / Tune Top SQL

- 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. User can select “Rewrite + Hints”, “Rewrite Only” or “Hints Only” method in “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