



Tosska SQL Tuning Expert for Oracle® 3.1.0 - Release Notes

Release Notes

Dec 2019

About Tosska SQL Tuning Expert for Oracle®

Tosska SQL Tuning Expert (TSE™) for Oracle® is a tool to tune your SQL automatically.

Function with limitations without a license

The software provides up to 20 automatic SQL alternatives and 30 single SQL's index recommendations for free to solve most common SQL performance problems before you purchase a license.

Supported Oracle® versions

Oracle® 11.2 or higher

New Features

SQL Tuning Expert for Oracle 3.1.0

SQL Tuning Expert 3.1.0 is a minor release which includes following enhancements and resolved issues.

Tune SQL

Parallel hints are enabled only when intelligence level is set to 4 or 5.

Rename button "Abort" to "Abort All" for aborting "Explore alternatives" or "Test run" process, rename button "Abort" to "Abort Current" for aborting currently running SQL alternative.

Show warning message when test run SQL alternatives or recommend indexes.



Resolved Issues in 3.1.0

Feature	Resolved Issue	Issue ID
Tune SQL	Corrected an error "Value cannot be null. Parameter name: Value" when explain plan, explore alternatives or tune SQL.	TSE-1074
Common	Corrected the wrong connection name on the status bar when the connection profile is changed.	TSE-566

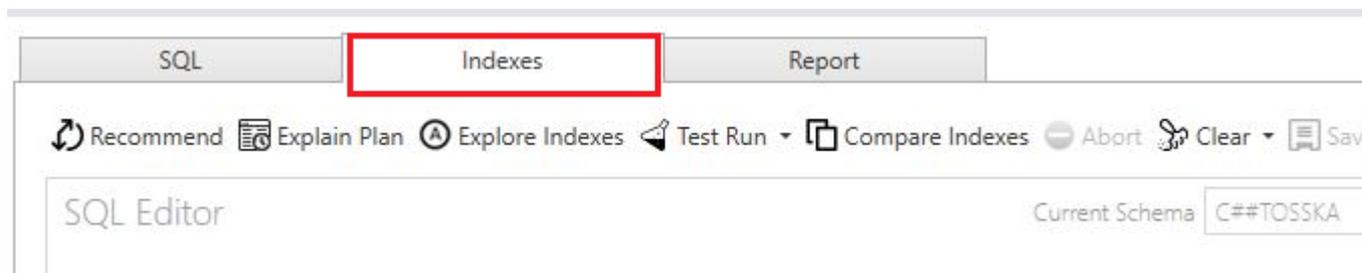
SQL Tuning Expert for Oracle 3.0.1

SQL Tuning Expert 3.0.1 is a major release which includes new features, enhancements and fixes.

Tune SQL

- New recommend indexes for single SQL

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

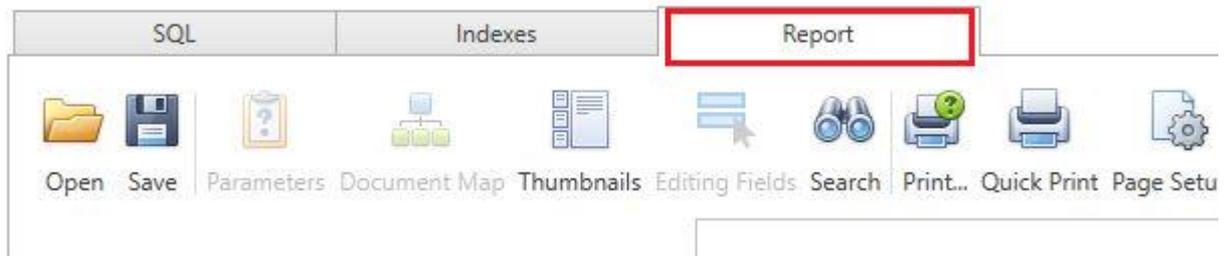


- SQL Tuning Solution Report

A SQL tuning report is provided after the SQL tuning and Indexes tuning processes, you can use the report to compare the performance gains of both SQL alternatives and

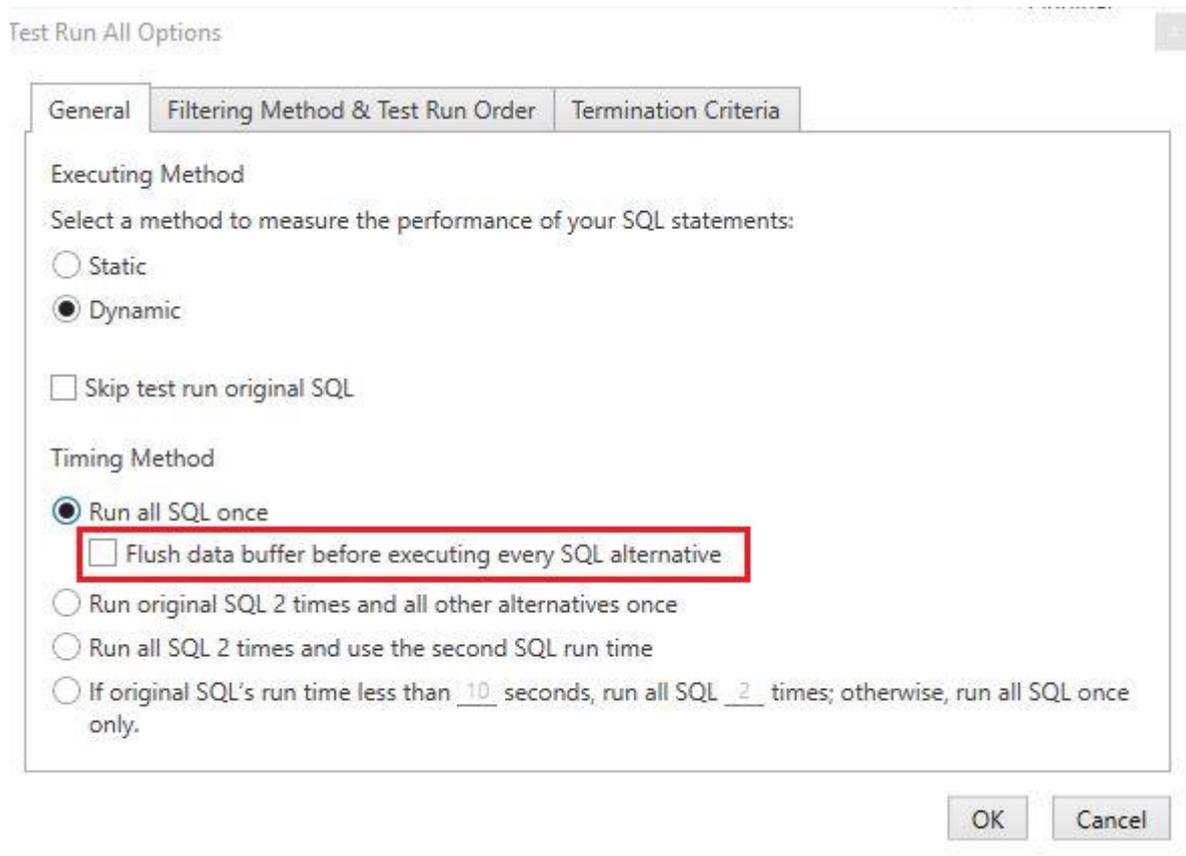


indexes sets and decide which solution is worth implementing.



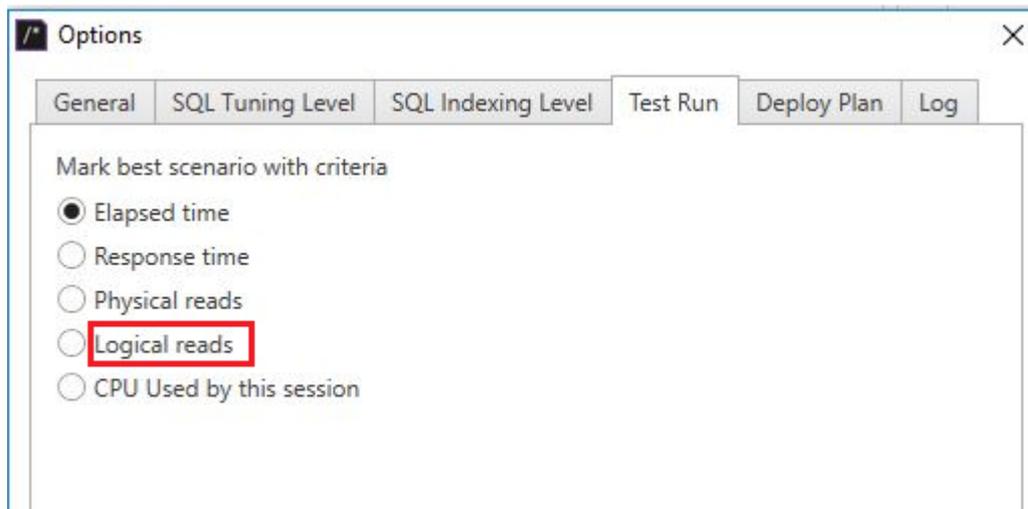
- Test Run

Provide option to flush data buffer before each execution of SQL alternative when **Run all SQL once** is selected. This is useful for those SQL which are not executed frequently.

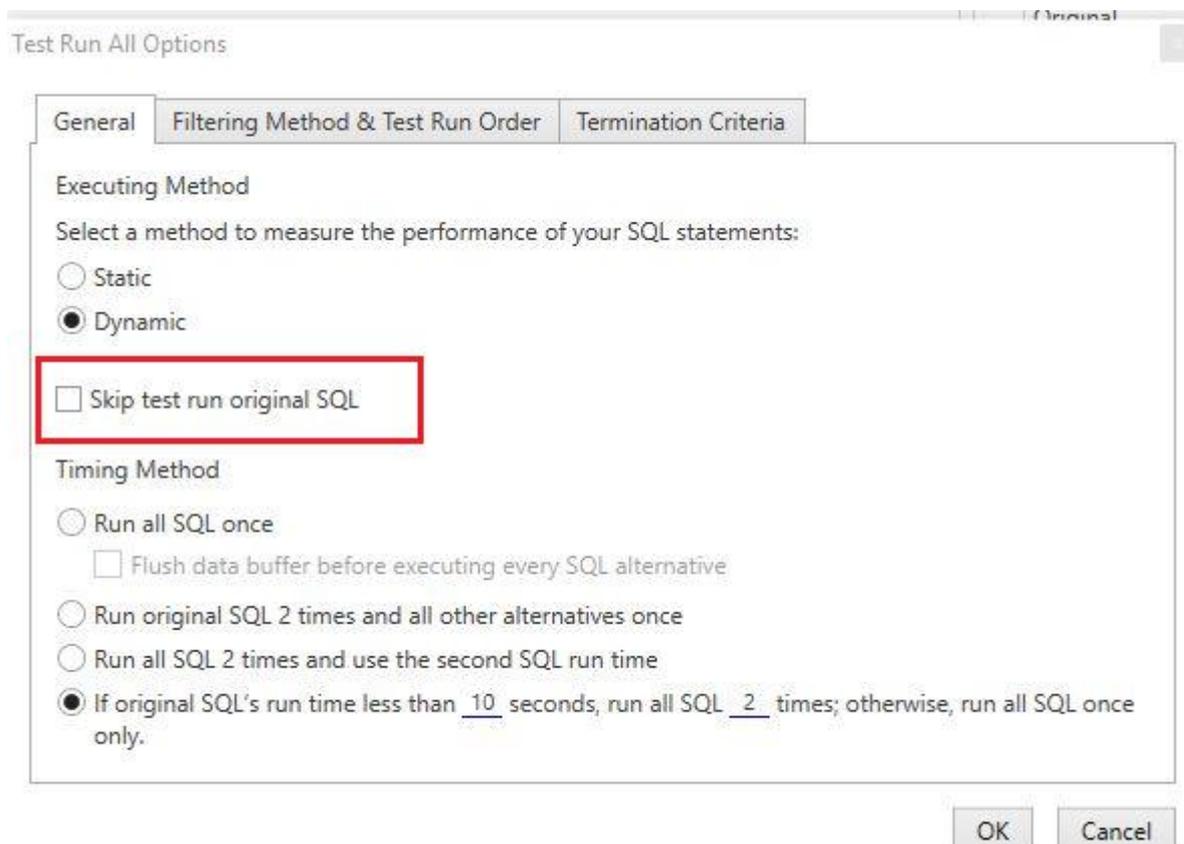




New Mark best scenario with criteria – “Logical Reads”.



New option “Skip test run original SQL”. This option is useful when you already know your original SQL’s elapsed time or you know it will takes too long to test run the original SQL.





Resolved Issues in 3.0.1

Feature	Resolved Issue	Issue ID
Tune SQL	The performance bar is not visible when the SQL performance improvement near to 100%	TSEP-995
Tune SQL	Fixed an exception when tuning a SQL	TSEP-1003
Tune SQL	Corrected an error if unselect all SQL alternatives when exploring SQL alternatives	TSEP-1054
Tune SQL	Fixed the issue that default data type of bind variable is not correct for specific SQL.	TSEP-726
General	Fixed an exception when launch application	TSEP-874
Connection Manager	List the TNS names in connection manager with instant Oracle client	TSEP-821
Connection Manager	Corrected an error when launch application if TNS file with invalid entries.	TSEP-1048
Connection Manager	Corrected an error when launch application without TNS file.	TSEP-1059
Connection Manager	Show message when connect to the database which is not supported	TSEP-855

SQL Tuning Expert for Oracle 2.0.3

SQL Tuning Expert 2.0.3 is a major release which includes new features, enhancements and fixes.

Tune SQL

Improve problem-solving ability with more Hints are supported

General

Export execution plan to PDF or image;

Print execution plan



Language Support

UI Languages Supported: English, Chinese(simplified) and Japanese

Resolved Issues in 2.0.3

Feature	Resolved Issue	Issue ID
Common	SQL Text wrongly warped in SQL Editor	TSE-580
SQL Tuning	Improved progress bar style during test run	TSE-336

SQL Tuning Expert for Oracle 1.5.0

SQL Tuning Expert 1.5.0 is a minor release which includes following enhancements.

Tune SQL

Support merge statements.

Better problem solving ability with more SQL alternatives generation

New Bind Variables window

SQL Tuning Expert for Oracle 1.1.2

SQL Tuning Expert 1.1.2 is a hotfix release which includes following resolved issues.

Resolved Issues in 1.1.2

Feature	Resolved Issue	Issue ID
SQL Tuning	Corrected an error when attempting to Tune or Test Run a SQL with SELECT statement returning empty string.	TSE-302



SQL Tuning Expert for Oracle 1.1.1

SQL Tuning Expert 1.1.1 is a hotfix release which includes following resolved issues.

Resolved Issues in 1.1.1

Feature	Resolved Issue	Issue ID
SQL Tuning	Corrected an error when attempting to Tune or Test Run a SQL with the same bind variable exists multiple times or the bind variable is not associated with any table's column.	TSE-283

SQL Tuning Expert for Oracle 1.1.0

SQL Tuning Expert 1.1.0 is a major release which includes following new features.

Tune SQL

It is a very powerful tool to tune your SQL statements in a fully automatic manner without the need of user's expertise involvement. Our AI engine will try most effective hints combinations 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 of all or selected SQL alternatives generated by the engine.