Tosska SQL Tuning Expert Pro for openGauss® 1.6.0

Release Notes

Apr 2025

About Tosska SQL Tuning Expert Pro for openGauss®

Tosska SQL Tuning Expert Pro for openGauss (TSEG™ Pro) is an automatic SQL tuning product that uses AI technology to tune your SQL statements by applying openGauss Hints combinations and SQL rewrite to improve your SQL statements' performance.

Furthermore, an intelligent cost-aware Indexes Advisor is provided to help users to review and recommend indexes for a given SQL, the Indexes Advisor can find the best recommendation of indexes.

Function with limitations without a license

The software provides up to 10 automatic SQL alternatives and 10 index recommendations for free to solve the most common SQL performance problems before you purchase a license.

Supported openGauss® versions

openGauss® 5.0 or higher

New Features

SQL Tuning Expert Pro for openGauss 1.6.0

SQL Tuning Expert 1.6.0 a minor release that includes enhancements and fixes.

SQL Tuning

Improved the ability to optimize SQL statements.

Resolved Issues in 1.6.0

Feature	Resolved Issue	Issue ID
Index Tuning	Fixed an application crash that occurred when recommending indexes for software in Chinese.	TEFG-183
Connection	Fixed an error that occurred when deleting the last remaining connection.	TEFG-184
SQL Tuning	Fixed an issue with SQL statement rewriting involving ANY conditions.	TEFG-186
SQL Tuning	Fixed a row count mismatch error caused by certain SQL statements with special SQL syntax.	TEFG-187
SQL Tuning	Fixed an error that occurred when switching connections for a tuned SQL statement.	TEFG-188
SQL Tuning	Fixed an issue that failed to copy a SQL alternative.	TEFG-191

SQL Tuning Expert Pro for openGauss 1.5.0

SQL Tuning Expert 1.5.0 is a major release that includes the following new features.

SQL Index Tuning

Intelligent SQL Advisor for a SQL Statement
Recommend indexes for a SQL statement with uncompromised performance improvement by our intelligent A.I. engine.

SQL Tuning Expert Pro for openGauss 1.1.0

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

Rewrite SQL syntax

Fix common SQL syntax mistakes.
Resolve database SQL optimizer's plan space limitations.
Explore potential SQL syntax with better performance.
Learn to write better SQL through the semantical equivalent SQL rewrites.

Hints Injection

Compose effective SQL hints to a SQL statement for better query plan generation.
Explore the ultimate power that your database SQL optimizer can provide.
Discover potential better query plans without the burden of SQL cost estimation error.
Learn to use Optimizer Hints to tune SQL statements.