



DB Ace Enterprise for Oracle[®] 3.1.0 - Release Notes

Release Notes

June 2023

About DB Ace Enterprise for Oracle[®]

DB Ace Enterprise for Oracle is an automatic SQL inspection and SQL tuning product. The intelligent SQL Inspector can help users easily analyze a database's overall SQL healthiness, SQL syntax, query plan, and execution statistics to locate problematic SQL statements from Oracle SGA or AWR, SQL Performance Tracker can help users to keep track of SQL performance changes due to statistics updates, environment changes, database upgrades and etc. The SQL Tuning module uses AI technology to tune your SQL statements by applying Oracle Hints combinations and SQL rewrite to improve your SQL statements' performance. DB Ace Enterprise for Oracle is also a powerful SQL tuning tool to tune your SQL statements without touching your source code anytime and anywhere.

Furthermore, an intelligent cost-aware Indexes Advisor is provided to help users to review and recommend indexes for a given SQL workload, the Advise Indexes can find the best recommendation of indexes within a certain quota or time. The recommended indexes will have the best impact on the 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.



DB Ace Enterprise for Oracle 3.1.0

DB Ace Enterprise 3.1.0 is a minor release that includes enhancements and bug fixes.

Test Run

Change the default test run Timing Method option to “Run original SQL 2 times and use the second run time, run all other alternative SQL once.”.

Update Test Run Executing Method.

Add a Reset Default button to reset test run options to default.

Performance improvements

Improved Explain Plan, Deploy SQL Patch, Deploy Plan Baseline, Fetch Actual Plan and Open saved session performance in Tune SQL, Tune Top SQL, Tune SQL Plan and Tune DB Link SQL.

Resolved Issues in 3.1.0

Feature	Resolved Issue	Issue ID
Extract SQL	Fixed an issue that the user might get ORA-06502 error when extracting SQL statements longer than 4000 characters from the Oracle database version 11.2.0.1 or 11.2.0.2.	DBAO-1373
SQL Tracker	Fixed an issue that the Abort Current button is not disabled after clicking the Abort All button in the SQL Tracker benchmark.	DBAO-576
Uninstallation	Fixed an issue that the shortcut is not removed after uninstalling the trial version.	DBAO-575



DB Ace Enterprise for Oracle 3.0.0

DB Ace Enterprise 3.0.0 is a major release that includes new features, enhancements, and bug fixes.

Performance Tracker

Performance Tracker helps you keep track of performance changes after the database environment changes such as update statistics, database migration, database upgrade, etc. The inspected SQL in this Inspector will be used as the baseline to compare with a new tracker, the new tracker could be the same database connection as the baseline database or a new database connection with a similar database setup. You can create multiple trackers to keep track of database performance changes due to statistics updates, create/drop indexes, periodic health checking, etc.

Tune SQL Plan

It is a very powerful tool to tune your SQL statements query plan in a fully automatic manner without the need for the user's expertise involved. Our AI engine will try the most effective hints injection to control your SQL query plans without touching your source code by applying SQL Patches/Plan Baselines to the production database anytime and anywhere.

Tune DB Link SQL

It is a very powerful tool to tune your SQL statements in a fully automatic manner without the need for the user's expertise involved. Our AI engine will try the most effective SQL syntax rewrites, and hints injections to tune your SQL statements with database links that join multiple databases' data in different locations.

Advise Global Indexes

Redesign the Extract SQL Workload wizard.

Extract SQL Workload

Improved the performance to extract SQL from AWR.

Test Run



Support capturing bind variable values from the database when test running SQL with bind variables.

Resolved Issues in 3.0.0

Feature	Resolved Issue	Issue ID
Tune SQL	Fixed an issue that failed to deploy a plan for SQL ending with a comment	DBAO-276
Tune SQL	Fixed an issue that the Bind Variable Setting window is too large when there are lots of bind variables in SQL text	DBAO-277
Tune SQL	Fixed the empty text plan for special SQL syntax	DBAO-284
Tune SQL	Fixed the "Value cannot be null" error when tuning SQL.	DBAO-337
Extract SQL	Fixed the wrong elapsed time in the Extract SQL workload wizard.	DBAO-319