



DB Ace Enterprise for Oracle® 2.2.0 - Release Notes

Release Notes

Aug 2022

About DB Ace Enterprise for Oracle®

DB Ace Enterprise (DB Ace™) 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 and AWR. 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 (DB Ace™) 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 2.2.0

DB Ace Enterprise 2.2.0 is a minor release that includes improvements and bug fixes.

Tune SQL

Improved the ability to rewrite SQL with ANSI-SQL on clause or database link.

SQL Inspector

Users can send all SQL from SQL Inspector to Advise Indexes.

Resolved Issues in 2.2.0

Feature	Resolved Issue	Issue ID
Tune SQL	Fixed a row count mismatch error when tuning SQL with specific SQL syntax	DBAO -260
Tune SQL	Fixed an error "Value can not be null, parameter name: source" when tuning SQL	DBAO-1513
Tune Top SQL	Fixed an issue that performance improvement is not shown correctly in the SQL list grid of Tune Top SQL after changing the best criteria.	DBAO-239
SQL Inspector	Fixed an issue that the Extract SQL button is not enabled When re-extract SQL.	DBAO-230

DB Ace Enterprise for Oracle 2.1.1

DB Ace Enterprise 2.1.1 is a minor release that includes improvements and bug fixes.

Inspect SQL

Display score for Degree of Deviation from 80/20 Rule.

Resolved Issues in 2.1.1

Feature	Resolved Issue	Issue ID
Inspect SQL	Fixed the calculation of the score of the 80/20 rule.	DBAO -234



DB Ace Enterprise for Oracle 2.0.1

DB Ace Enterprise 2.0.1 is a hotfix release that includes bug fixes.

Resolved Issues in 2.0.1

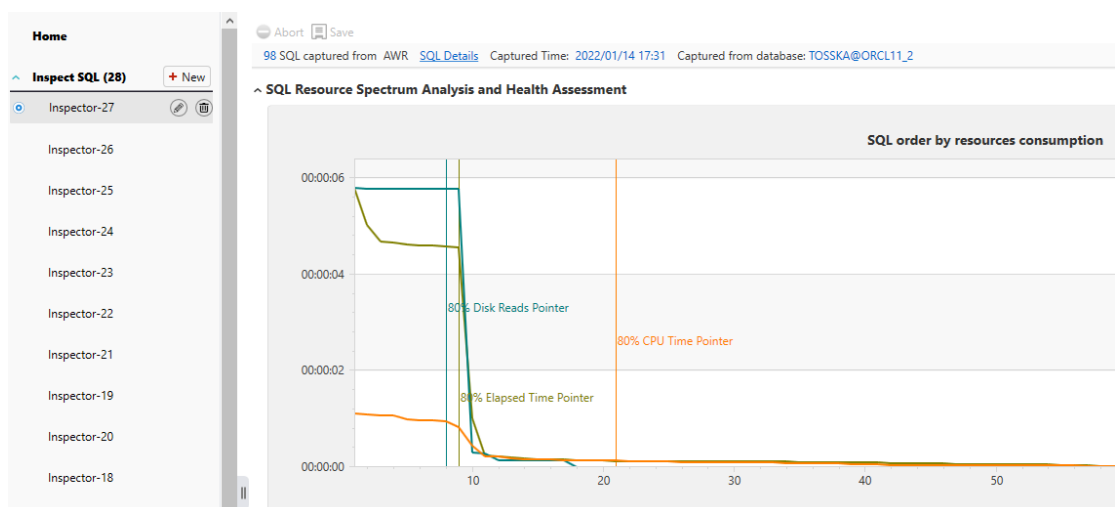
Feature	Resolved Issue	Issue ID
SQL Tuning	Fixed an error when tuning SQL on database 12.1.0.1.	DBAO -1514
SQL Tuning	Fixed an issue when checking if the user has ALTER SYSTEM privilege.	DBAO -1516

DB Ace Enterprise for Oracle 2.0.0

DB Ace Enterprise 2.0.0 is a major release that includes new features, enhancements, and bug fixes.

Inspect SQL

It is a very powerful module to analyze SQL resource consumption behavior from Oracle SGA and AWR, the tool can help users quickly review the database's overall healthiness and locate problematic SQL through SQL syntax, query plan, and resource consumption.





Additional database supported

Support Oracle standard edition database.

Connection

Support connecting to the database through a proxy user.

Tune SQL

Improved the performance to load the saved SQL session.

Redesign the Test Run Options window to simplify the tuning criteria and optimization goals.

Test Run All Options

Tuning Goals Filtering Method & Test Run Order

- Use default or user-defined setting [Modify](#)
All SQL alternatives will be executed once.
- Improve my SQL for slow first-time execution without data cache, although it is fast on the second execution
- It is a long run time SQL and I am looking for a SQL with a run time within 30 Minutes
- Improve my short run time SQL to run even faster since the SQL is executed thousands of times in a minute

What improvement you are looking for:

- I want to tune my SQL for better elapsed time
- I want to tune my SQL for better response time since It is a SQL for online query
- I want to tune my SQL to use less CPU time since my system is CPU bound
- I want to tune my SQL to use less IO time since my system is IO bound
- I want to tune my SQL to use less Logical Reads

Executing Method :

Select a method to measure the performance of your SQL statements.

- Static
- Dynamic

Benchmarking SQL alternatives may affect other SQL statements that executing in the same database. It is recommended to execute this function in development environment or non-peak hours in production database.

OK Cancel

Recommend Indexes

Improved the ability to recommend indexes for SQL with a specific syntax.



Resolved Issues in 2.0.0

Feature	Resolved Issue	Issue ID
SQL Tuning	Fixed an error when tuning SQL with a system view.	DBAO-86
SQL Tuning	Fixed an issue that some columns might be invisible in the tree plan.	DBAO-111
Tune Top SQL	Fixed an error when re-opening the Extract SQL window	DBAO-54
Advise Indexes	Fixed an issue that new line characters are missing in the copied SQL or exported SQL file in the Advise Indexes Report.	DBAO-34
Manage Plan Baselines / Manage SQL Patches	Fixed an error when migrating Plan Baselines or SQL Patches from/to 19C or above.	DBAO-1479