Embarcadero® DB Optimizer[™] XE3 (3.5) @mbarcadero®

SQL profiling and tuning IDE

Embarcadero® DB Optimizer[™] XE3 is a heterogeneous tool that maximizes database and application performance by guickly discovering, diagnosing, and optimizing poor-performing SQL. DB Optimizer XE3 empowers DBAs and developers to eliminate

performance bottlenecks by visually profiling key metrics inside the database (CPU, I/O, wait times), relating resource utilization to specific queries, and helping to visually tune problematic SQL.

- Optimize SQL performance throughout the development lifecycle
- · Eliminate performance bottlenecks in production databases and applications
- · Develop, test, profile, and tune SQL in a single, easy-to-use IDE

OPTIMIZE SQL PERFORMANCE THROUGHOUT THE DEVELOPMENT LIFECYCLE

More responsibility for the quality and performance of SQL code is being pushed to development and quality assurance teams.

DB Optimizer XE3 allows you to profile and tune SQL code throughout the development process, rather than discovering costly performance bottlenecks after they've reached production. You can either profile a single stored routine or continuously profile an entire database instance. Continuous profiling lets you monitor performance within a configurable span of time so you can see the effects of your tuned statements immediately, and take snapshots that can be saved and shared between developers, QA, and DBAs for more focused diagnosis and increased productivity.

ELIMINATE PERFORMANCE BOTTLENECKS IN PRODUCTION DATABASES AND **APPLICATIONS**

Production DBAs are tasked with maximizing database performance and availability. A key concern is meeting Service Level Agreements (SLAs.) DB Optimizer helps production DBAs quickly profile Oracle®, Microsoft® SQL, Sybase®, and DB2® LUW databases to easily identify and

correct the SQL causing performance bottlenecks.

Once you identify the poor performing SQL, DB Optimizer lets you add SQL to a tuning job directly from a profiling session, or add stored routines and SQL files from the data source explorer or file system.

DB Optimizer XE3 takes SQL tuning beyond standard hint injections and SQL rewrites and offers innovative features for faster and more advanced SQL tuning and analysis. Graphical tools like the Index Analysis feature let DBAs and developers fully examine SQL execution paths to better understand which indexes are used, not used, or missing. If an index is missing, DB Optimizer XE3 will offer indexing recommendations

for optimum performance. The Visual SQL Tuning (VST) diagram displays indexes and constraints on tables and views, as well as the joins used in a SQL statement. This innovative visual format quickly reveals opportunities to tune the SQL or schema and enhance overall database performance.

DB Optimizer's unique Visual SQL Tuning (VST) diagrams enable the developer to quickly understand the relationships in a SQL query, spot design flaws and determine the best path of execution of the query

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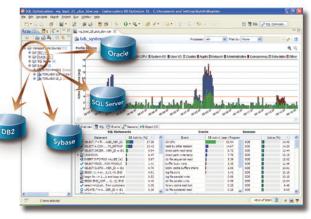
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DEVELOP, TEST, PROFILE, AND TUNE SQL IN A SINGLE EASY-TO-USE IDE

DB Optimizer XE3 is comprised of four major components including a SQL profiler, tuner, SQL IDE, and a stress testing tool called the Load Editor. The profiler quickly pinpoints poor-performing SQL, the tuner tunes the top problematic SQL, and the Load Editor stress tests the tuned SQL code to ensure performance gains are realized. DB Optimizer XE3 offers more advanced tuning features such as Index Analysis, Visual SQL Tuning (VST) diagrams, and a powerful SQL IDE to reveal every opportunity to further tune and optimize SQL code. The SQL IDE is a full-featured SQL editor that includes code assist, real-time error checking, explain plans, and on-the-fly tuning. Quick fixes work as you type your SQL to identify potential performance issues and provides suggested best practices that can be implemented with the click of a button.



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Only DB Optimizer XE3 provides you with a single interface to view detailed, graphical profiling on SQL statements, events, and sessions to make it easy to find the SQL that most impacts performance

New in DB Optimizer XE3

- · Ability to stream profiling data into a central repository
- Determine resource usage for stored procedures with visibility into underlying SQL usage for SQL Server and Sybase
- Visual SQL tuning diagram displaying indexes and constraints, now enhanced with table statistics
- AppWave[™] is an enterprisegrade private PC app store that provides a mobile-like app experience for PC software applications, so you can quickly discover and run PC apps including DB Optimizer

Key Features

- Single interface for all major DBMS'
- Graphical visualization of wait-time analysis
- Continuous profiling
- Batch tuning of DML statements, stored routines, entire SQL files
- Hint injection
- SQL rewrites
- Robust diagnostics with execution statistics, profiling details, predicate analysis and explain plans
- SQL IDE with code assist, error checking, debugging, and real-time quick fixes
- Color-coded Index Analysis indicating index usage
- SQL stress testing

DB Optimizer[™] XE3 (3.5)

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	Data Capture	
Repository Capture Stream profiling data into a central repository for your open session	File Capture	Save an entire profiling session to a file for future analysis and reference or to share with others
	Repository Capture	Stream profiling data into a central repository for your open session

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