

# DB PowerStudio for Oracle

Simplify database development, administration, and performance tuning



DB PowerStudio™ for Oracle is a highly-intuitive toolset that helps DBAs and developers boost performance across all versions of Oracle. Designed for Oracle database professionals, DB PowerStudio complements Oracle Enterprise Manager with critical capabilities such as database change management and SQL optimization and tuning.

Take your Oracle database administration and development capabilities to the next level with visual diagnostics that not only help you pinpoint problematic queries, but also determine the best solution. Unique capabilities such as a Visual SQL Tuner can save you hours or days of time when tuning problematic SQL and PL/SQL statements. You'll also enjoy deep change management functionality for coordinating database changes across the development life cycle, or for enforcing database configuration standards across your entire enterprise.

## DB POWERSTUDIO MAKES IT EASY WITH DEVELOPER AND DBA EDITIONS

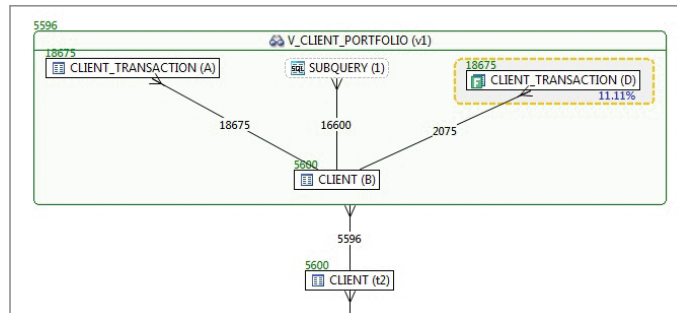
**DB PowerStudio for Oracle, Developer Edition** includes everything you need to improve quality and performance at each stage of the application development life cycle.

### Write High Quality SQL Code Faster with Rapid SQL®

- Simplify SQL scripting, query building, object management, project management, and version control in live Oracle databases or offline source repositories
- Debug programmable objects such as stored procedures, functions and triggers
- Pinpoint performance problems with SQL and PL/SQL code by performing detailed response time analysis on the execution of stored procedures and functions

### Visually Tune SQL against Oracle with DB Optimizer™

- Relate resource utilization to specific queries, and visually tune the problematic SQL using Visual SQL Tuning Diagrams
- Analyze and tune complex SQL and PL/SQL statements, including bind variables
- Access robust reporting with execution statistics, profiling details, predicate analysis and explain plans



DB Optimizer Professional gives you a unique Visual SQL Tuner to quickly understand the relationships in a SQL query, spot design flaws, and determine the best execution path for the query.

### Simplify Oracle Database Change Management with DB Change Manager™

- Work with multiple Oracle versions and databases from a single toolset
- Compare your development and test servers to quickly identify changes and generate the synch scripts to correct any problems
- Mask test data in order to comply with privacy laws

**DB PowerStudio for Oracle, DBA Edition** provides DBArtisan® for advanced database administration capabilities, as well as the ability to schedule and run multiple change management jobs at any time.

### Simplify Oracle Database Administration and Change Management with DBArtisan and DB Change Manager

- Work with multiple Oracle versions and databases from a single toolset
- Easily carry out complex actions such as schema extraction, schema migration, and data load and unload
- Compare a live Oracle database to a schema or configuration "snapshot" to quickly identify changes and correct problems

### Maximize Oracle Database Performance and Availability with DBArtisan and DB Optimizer

- Use the optional DBArtisan Analysts to see detailed metrics that identify performance, capacity planning, and storage management issues before they become major problems
- Eliminate performance bottlenecks by visually profiling key metrics inside the database (CPU, I/O, wait times), by relating resource utilization to specific queries, and by helping you visually tune problematic SQL
- Harness the rich data from Oracle's wait interface and use powerful database monitors, intelligent diagnostic information and strong drill-down details to quickly find and fix performance issues



### Developer Edition Includes

#### Rapid SQL® Professional

- The fastest way to write quality SQL

#### DB Optimizer® Professional

- Visually profile key performance metrics and optimize SQL and PL/SQL using Visual SQL Tuning (VST)

#### DB Change Manager™ Professional

- Simplify, automate, and report on database changes

### DBA Edition Includes

#### DBArtisan® Pro

- The industry's premier database administration tool with optional Performance, Space and Capacity Analysts

#### DB Change Manager Enterprise

- DB Change Manager Enterprise includes a command-line generation wizard to generate batch or ANT scripts so you can schedule and run multiple change management jobs at any time

| Feature   | Description   | Developer Edition | DBA Edition |
|---|---|-------------------|-------------|
| <b>General</b>  |   |                   |             |
| Highly-Visual, Intuitive User Interface   | Streamlines and automates common and repetitive tasks with an easy-to-use GUI and powerful wizards  | X                 | X           |
| Works on all versions of Oracle   | Work with Oracle 8i to 11g from a single toolset  | X                 | X           |
| SQL IDE   | A SQL Editor is never more than a click or two away   | X                 | X           |
| Easily Expand to other DBMSes   | Future proof investment offers an easy and affordable upgrade path to DB PowerStudio XE   | X                 | X           |
| Embarcadero ToolCloud™-Enabled  | Centralized license management and on-demand software delivery with InstantOn   | X                 | X           |
| Runs on Windows PCs   | Windows 2003 - Windows 7; see website for detailed system requirements information  | X                 | X           |
| <b>Database Administration and Development</b>  |   |                   |             |
| <b>Object, Data and Schema Management</b>   |   |                   |             |
| Graphical Object Editors  | Create, drop, or alter objects such as tables, constraints, indexes, views, procedures, functions, triggers, packages, and more   | X                 | X           |
| Wizard-Driven Object Creation   | Wizards guide you through the creation of objects   | X                 | X           |
| Grouped Object Command Execution  | Execute database commands against a select grouping of objects (e.g., compile, extract, report, analyze)  | X                 | X           |
| Extended Alter Support  | Generate complex scripts as a result of object manipulation (e.g. insert a column in the middle of a table)   | X                 | X           |
| Schema Migration Wizards  | Migrate schema objects and associated table data using wizard-driven utilities  |                   | X           |
| <b>SQL Scripting, Editing and Management</b>  |   |                   |             |
| Visual Query Builder  | Construct even the most complicated SQL statements with point-and-click ease  | X                 | X           |
| Code Templates  | Eliminate the need to memorize and type SQL syntax  | X                 | X           |
| Code Analyst  | Perform detailed response time analysis on the execution of stored procedures and functions   | X                 |             |
| SQL Debugger  | Debug programmable objects such as stored procedures, functions, packages, and triggers   | X                 | X           |
| SQL Profiler  | Capture metrics of various PL/SQL programmable objects on Oracle 8.1.5 and higher   | X                 |             |
| <b>Team Collaboration, Resource Sharing and Security Management</b>                       |   |                   |             |
| Integration with Source Code Control  | Seamless integration with most commercial source code control systems   | X                 |             |
| Workspace-Based Project Mgmt.   | Work with offline source code repositories; select database objects and place them in a project framework   | X                 |             |
| Security and Permissions Mgmt.  | Manage users, logins, profiles, groups, aliases; grant and revoke user-, system- and object-level privileges (at the logical and physical layer)  | X                 | X           |
| Process Monitor   | Monitor who is connected to each database, each session's current activity and related data   |                   | X           |
| <b>Optional Analyst Pack for Advanced Database Administration, Analytics and Trending</b> |   |                   |             |
| Space Analyst   | Provides analysis of database space information to pinpoint space-related exceptions and provides assistance in diagnosing and reorganizing storage inefficiencies using an intelligent reorganization wizard |                   | X           |
| Performance Analyst   | Provides intelligent analysis of real-time database and OS performance diagnostic information to troubleshoot and remedy performance problems   |                   | X           |
| Capacity Analyst  | Collects and stores key database metadata and performance metrics and performs trend analysis to forecast database growth and usage   |                   | X           |
| <b>Performance Tuning and SQL Optimization</b>  |   |                   |             |
| <b>Visual Diagnostics</b>   |   |                   |             |
| Profile Chart   | Pinpoint, zoom-in and communicate CPU, I/O and other wait activity. Highlight a time interval to instantly change the data displayed  | X                 | X           |
| Execution Statistics  | Get detailed information on profiled SQL, broken down by SQL statements, events, and sessions   | X                 | X           |
| Profiling Details   | Drill down into execution details for any statement, including SQL text, events, sessions, child cursors, and SQL details   | X                 | X           |
| Predicate Analysis  | Roll up SQL statements for a true analysis of the number of executions in real-time   | X                 | X           |
| Explain Plans   | Explain Plans computed on-demand and rendered as a tree with collapsible column groups  | X                 | X           |
| <b>SQL Optimization, Index Analysis and Stress Testing</b>                                |   |                   |             |
| Tuning  | Create and run tuning jobs for a single or batch of statements. Tune all DML statements, stored routines, and entire SQL files  | X                 | X           |
| Case Generation and SQL Rewrites  | SQL rewrites are suggested as part of case generation in the SQL tuner and as you type in the SQL IDE   | X                 | X           |
| Visual SQL Tuner  | Navigate the Visual SQL Tuning (VST) diagram to see indexes and constraints on tables and views, Cartesian joins, implied Cartesian joins, many-to-many relationships, and table statistics                   | X                 | X           |
| Visual Index Analysis   | The color-coded Index Analysis feature shows indexes that are used (green), not used (blue), or missing (orange) and offers recommendations for optimum performance   | X                 | X           |
| Load Editor   | SQL stress testing simulates a number of parallel users and executions over a time period or execution cycle  | X                 | X           |
| <b>Profiling, Data Capture and Sharing</b>  |   |                   |             |
| Continuous Profiling  | Continuously profile an entire data source over a span of time or view it in real-time  | X                 | X           |
| Repository Capture  | Stream profiling data into a central repository for your open session   | X                 | X           |
| Sharing Profiling Sessions  | All data and metadata pertaining to a profile session can be saved as a single entity into an archive file. Profiles can be shared across multiple workspaces and machines for collaboration purposes         | X                 | X           |
| <b>Database Change Management</b>   |   |                   |             |
| Command Line API  | Command-line generation wizard generates batch or ANT scripts so you can schedule and run multiple jobs at any time   |                   | X           |
| Integration with Source Code Control  | Easily correlate SQL, schema or reference data changes with application code changes by linking an archive with the corresponding version within the SCC  | X                 | X           |
| Email Notifications   | Create your own customized email notifications via JavaMail and the open API  | X                 | X           |
| <b>Schema, Data Compare and Synchronization</b>   |   |                   |             |
| Schema Archive and Compare  | Capture and compare schema differences between one or more archived or live databases   | X                 | X           |
| Synchronization and Roll-back   | Generate alter scripts to sync selected objects or restore to a prior state. Handles object dependencies, and preserves data  | X                 | X           |
| Schema Auto-Synchronization   | Automatically synchronize the target to match the source once there is a successful comparison. Promote schema changes from development, to test and finally to production                                    | X                 | X           |
| Data Compare and Synchronization  | Compare and synchronize data either inside of one database or between two different databases   | X                 | X           |
| <b>Standards, Data Privacy, Audit and Compliance Reporting</b>                            |   |                   |             |
| Configuration Standards   | Use custom or live configurations to create standards. Audit database configurations to check for security liabilities and performance standards  | X                 | X           |
| Data Masking  | Ensure accurate testing while complying with international privacy laws   | X                 | X           |
| Archive Configuration and Schema Settings   | Schema and configuration archives provide historical record for compliance auditing and reporting   | X                 | X           |
| Schema Comparison Detail Report   | Outlines what objects have actually changed, either between schema archives, live data sources or both. DDL differences are color-coded for easy comparison   | X                 | X           |

Download a Free Trial at [www.embarcadero.com](http://www.embarcadero.com)

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