

# DB PowerStudio XE2

Simplify cross-platform database development, administration, and performance tuning



DB PowerStudio™ XE2 is a highly-intuitive toolset that helps simplify cross-platform database administration, development, and performance tuning. Designed for database teams that work in mixed DBMS environments, DB PowerStudio XE2 complements native tools with critical capabilities such as database change management and SQL optimization and tuning.

DB PowerStudio XE2 comes complete with support for all popular DBMSes, including Oracle, SQL Server, Sybase ASE, DB2, and more. Whether it's producing on-the-fly, DBMS-specific language conversions or creating new users across the entire enterprise, consistent workflows make it easy to extend one's expertise into less familiar DBMSes.

Take your database administration and development capabilities to the next level with visual diagnostics that not only help you pinpoint problematic queries, but also determine best solutions. A unique Visual SQL Tuner saves hours or days of time when tuning problematic SQL. 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

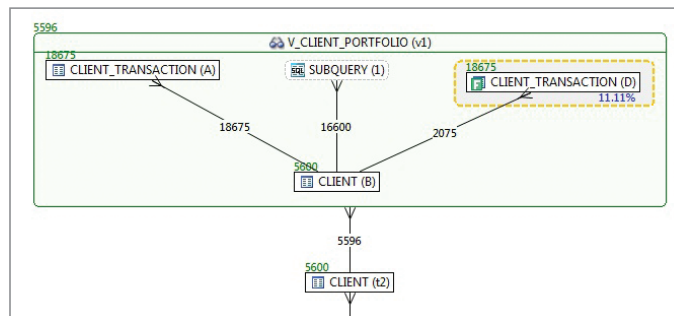
DB PowerStudio XE2, **Developer Edition** includes everything you need to improve quality and performance at each stage of the application development life cycle.

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

- Move effortlessly from managing a SQL Server or Sybase ASE schema to managing an Oracle schema and vice-versa
- Debug programmable objects such as stored procedures, functions and triggers
- Simplify SQL scripting, query building, object management, project management, and version control in live databases or offline source repositories

### Visually Tune SQL against the database 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 statements, including bind variables
- Access robust reporting with execution statistics, profiling details, predicate analysis and explain plans



DB Optimizer XE2 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 Database Change Management with DB Change Manager™

- Work with multiple DBMS brands and versions 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 XE2, **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 Database Administration and Change Management with DBArtisan and DB Change Manager

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

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

- Use the optional DBArtisan Performance Analyst, Capacity Analyst and Space Analyst to see detailed metrics that identify performance, capacity planning, and storage management issues before they become 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
- Use powerful database monitors, intelligent diagnostic information and strong drill-down details to quickly find and fix performance issues

### Developer Edition Includes

#### Rapid SQL™ XE2

- The fastest way to write quality SQL

#### DB Optimizer™ XE2

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

#### DB Change Manager™ XE2

- Simplify, automate, and report on database changes

### DBA Edition Includes

Everything in the Developer Edition plus:

#### DBArtisan™ XE2

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

#### DB Optimizer™ XE2

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

#### DB Change Manager XE2 Enterprise

- DB Change Manager XE2 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
Standardize on a single toolset	Teams can standardize on a single, powerful toolset that works across the enterprise	X	X
SQL IDE	A SQL Editor is never more than a click or two away	X	X
Extend Skills to other DBMSes	Consistent workflows make it easy to extend one's skills into less familiar DBMSes	X	X
Embarcadero AppWave™-Enabled	Centralized license management and on-demand software delivery	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
<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)

Corporate Headquarters | Embarcadero Technologies | 100 California Street, 12th Floor | San Francisco, CA 94111 | [www.embarcadero.com](http://www.embarcadero.com) | [sales@embarcadero.com](mailto:sales@embarcadero.com)