DB PowerStudio for SQL Server

Simplify database development, administration, and performance tuning

embarcadero®

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

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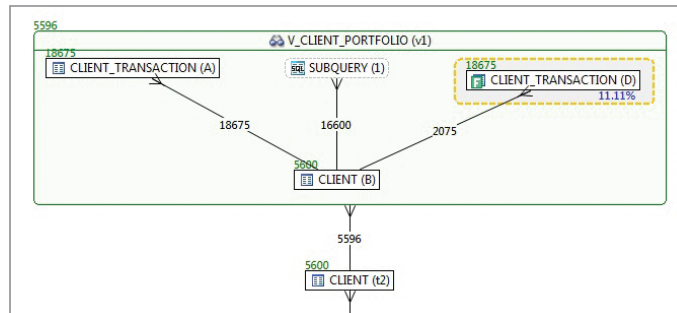
DB PowerStudio for SQL Server, Developer Edition includes everything you need to improve quality and performance at each stage of the application development life cycle.

Write High Quality SQL Code Faster with Rapid SQL®

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

Visually Tune SQL against SQL Server 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

Simplify SQL Server Database Change Management with DB Change Manager™

- Work with multiple SQL Server 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 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.

DB PowerStudio for SQL Server, DBA Edition gives you everything in the Developer Edition plus DBArtisan® for advanced database administration, as well as a command line interface to schedule your change management jobs anytime, day or night.

Simplify SQL Server Database Administration and Change Management with DBArtisan® and DB Change Manager

- Work with multiple SQL Server 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 SQL Server database to a schema or configuration "snapshot" to quickly identify changes and correct problems

Maximize SQL Server Database Performance and Availability with DBArtisan and DB Optimizer

- 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
- Use powerful database monitors, intelligent diagnostic information and strong drill-down details to quickly find and fix performance issues

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Developer Edition Includes

Rapid SQL® Professional

- The fastest way to write quality SQL

DB Optimizer® Professional

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

DB Change Manager™ Professional

- Simplify, automate, and report on database changes

DBA Edition Includes

Everything in the Developer Edition plus:

DBArtisan® Workbench™

- The industry's premier database administration tool with advanced 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

DB PowerStudio for SQL Server

Feature	Description	Developer Edition	DBA Edition
General			
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 SQL Server	Work with SQL Server 2000 - 2008 R2 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
Database Administration and Development			
Object, Data and Schema Management			
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
SQL Scripting, Editing and Management			
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	X
SQL Debugger	Debug programmable objects such as stored procedures, functions, packages, and triggers	X	X
Team Collaboration, Resource Sharing and Security Management			
Integration with Source Code Control	Seamless integration with MSFT Team Foundation Server, Visual SourceSafe and other SCCs	X	X
Workspace-Based Project Mgmt.	Work with offline source code responsitories; select database objects and place them in a project framework	X	X
Security and Permissions Mgmt.	Manage users, logins, profiles, groups, aliases; grant and revoke user-, system- and object-level priviledges (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
Advanced Database Administration, Analytics and Trending			
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
Performance Tuning and SQL Optimization			
Visual Diagnostics			
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 the execution details for any given statement, including the 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
SQL Optimization, Index Analysis and Stress Testing			
Tuning	Create and run tuning jobs for a single statement 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
Profiling, Data Capture and Sharing			
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
Database Change Management			
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
Command Line API	Command-line generation wizard generates batch or ANT scripts so you can schedule and run multiple jobs at any time		X
Email Notifications	Create your own customized email notifications via JavaMail and the open API	X	X
Schema and Data Compare and Synchronization			
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 synchronize 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
Standards, Data Privacy, Audit and Compliance Reporting			
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

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