



Embarcadero® Rapid SQL® 2016 is the only team-enabled, SQL IDE empowering database developers and DBAs to write more performant SQL using performance insights and embedded analytics. This game changing tool-set simplifies SQL scripting, query building, object management, debugging and version control while gaining instant insights and recommendations on data-related performance issues such as cardinality and data skew.



Luxury Link selected Rapid SQL to improve SQL code quality, reduce code volume, and improve overall customer experience. When the new site launched, the volume of code in use was reduced by 80%

LUXURY INK

Demands are Growing; Needs are Changing

Database developers are tasked with creating software applications that include complex business logic and accessing ever-changing database ecosystems. Both these aspects must be properly understood to create high-performing applications. Unfortunately, corporate database ecosystems are complex. As database environments grow in volume, velocity, and variety, the database developer's role becomes even more challenging and time-consuming.

Some of the most daunting challenges are:

- Working across different database platforms
- Visualizing and creating complex SQL queries
- Integrating database development with source code control

Modern database developers need tools to work more efficiently. Database developers should be able to seamlessly work across disparate database systems and integrate their work with source control systems as part of their regular software development cycle. Only by simplifying an organization's database ecosystem and adapting to the developer's work environment, can the data-base developer keep up with modern data trends.

Rapid SQL helps database developers and DBAs more rapidly produce high-performing SQL code. Supporting all major database platforms from a single, intuitive interface, Rapid SQL lets teams bring standardization and efficiency via its powerful, heterogeneous SQL IDE. Rapid SQL's robust development environment simplifies and streamlines SQL scripting, debugging, query building, object management, project management, and version control – in both live databases and offline source code repositories

Develop SQL Code Quickly, Efficiently

The SQL IDE is a clean, slick development environment, ideal for creating and modifying SQL code geared to the needs of application developers. Real-time quick fixes flag and correct inefficient SQL automatically. The IDE is also equipped with SQL code assist, real-time SQL syntax validation, and project level SQL file cataloging and search features.

Streamline Communication, Performance Management and Share Data sources

DB Team Server is a collaborative management platform for DBA teams. With DBA teams struggling to keep pace with the explosion of data, data sources and rapid development cycles, productivity solutions are becoming paramount. DB Team Server was designed specifically for enterprise DBA teams. It provides a holistic view of the enterprise database landscape to better manage and analyze corporate data assets. Basic monitoring and alert notifications improve responsiveness with instant insights into availability, performance and storage. Team collaboration capabilities enhance knowledge sharing and improve communications by providing easy access to corporate database knowledge including specialized scripts, notes and internal discussion topics.

Database Performance, Insight and Availability

Performance IQ is the newly available add on for DBArtisan. It plugs into DB Team Server and provides a deep investigative probe into the performance of SQL statements by providing visibility and insight as to how syntax, cardinality, index usage and data skew affect and vary performance over time in a variety of situations. SQL DBAs and Developers will have a multitude of preemptive user alerts and enhancements available to them to improve the performance of the SQL.

Visually Accelerate Query Building

Database developers can save time and start developing SQL code immediately with Visual Query Building tools. Rapid SQL gives you the ability to construct complex SQL statements with point-and-click ease using the Visual Query Builder.

Debug SQL Code, Functions, and Stored Procedures

SQL Debugger simplifies the task of hunting down and eliminating coding errors. An extremely useful data-base productivity tool, the SQL Debugger lets you debug SQL Server, Oracle, Sybase or DB2 stored procedures as well as Oracle functions. The Debugger features basic execution, line-by-line execution, breakpoint support, and other common debugging features.

BENEFITS SUMMARY

- Develop SQL code quickly, efficiently and better performing
- Visually accelerate query building
- Debug SQL code, functions, and stored procedures
- Collaborate effectively with version control
- Support data governance initiatives through improved code quality

General Features		SQL Scripting and Editing	
MULTI-PLATFORM SUPPORT	Manage all major DBMSs from a single interface. Support includes Oracle, SQL Server, Sybase, DB2, MySQL, InterBase, Firebird, and PostgreSQL.	VISUAL QUERY BUILDER	Constructs even the most complicated SQL statements with point-and-click ease.
EMBARCADERO® APPWAVE™	Enables centralized license management and tool deployment.	CODE TEMPLATES	Eliminates the need to memorize and type SQL syntax.
UNICODE	Full Unicode character support throughout the application.	SQL EDITOR	Code folding, code collapse/roll-up, syntax coloring, hot key assignments, configurable auto replace of objects, bind variable support, selective statement execution.
INTUITIVE INTERFACE	Streamlines and automates common and repetitive tasks with an easy-to-use GUI and powerful wizards.	CONTEXT-SENSITIVE DBMS ACTIONS	DBMS actions, such as Extract and Drop, are available directly in the context menu of the appropriate tokens in the SQL editor.
DB Team Server		ADVANCED CODE ASSIST	Lists context-sensitive suggestions as you type (e.g. tables, columns, procedures, functions, and code templates) and is available offline.
CENTRALIZED DATA SOURCE MANAGEMENT	Simplifies access and improve management. Share data sources across DBA teams and gain insights with powerful search capabilities	CODE FORMATTING AND PROFILES	Code folding, syntax coloring, comment toggling, and other auto formatting features make it easy to read, navigate, and edit large SQL files. Customize and share various SQL formatting options by creating SQL formatting profiles
MONITORING AND ALERT NOTIFICATIONS	Improve responsiveness and reduce downtime with centralized basic health monitoring and alert teams on availability, performance and storage	SYNTAX AND SEMANTIC VALIDATION	Validate SQL files and flags all DBMS-specific parser violations or references to objects not found in the target database.
DB TEAM SERVER	Streamline communication and knowledge sharing with team members. Capture knowledge and leverage best practices from others.	QUICK FIXES	Real-time parsing provides code quality suggestions for improving SQL performance as you type.
Performance IQ Add-on		SQL DEBUGGING	Debug Java, step seamlessly into SQL (i.e. stored procedure) and back into Java again—true system-wide, round-trip debugging.
PERFORMANCE METRICS VISIBILITY & ANALYTIC INSIGHT	Provide deep database insights, which ultimately allow you to work smarter & faster producing far more performant SQL.	Debugging, Performance Optimization	
BETTER INDEX USE	Whether it's gauging how cardinality or data skew may affect the variability in performance of a SQL statement, traveling back in time to see performance metrics, or analyzing database alerts for root-cause impacts.	CODE ANALYST	Performs detailed response time analysis on the execution of stored procedures and functions.
Object Support		CODE ANALYSTS/SQL DEBUGGER	Debugs programmable objects such as stored procedures, functions, packages, and triggers. Available for DB2 for LUW, Oracle, SQL Server, and Sybase.
GRAPHICAL OBJECT EDITORS	Create, drop, or alter a wide variety of database objects, including tables, constraints, indexes, views, procedures, functions, triggers, and packages. Editors are common for all objects (across all platforms).	SQL PROFILER	Captures metrics of various PL/SQL programmable objects on Oracle 8.1.5 and higher.
WIZARD-DRIVEN OBJECT CREATION	Wizards guide users through the creation of objects, prompting for the options that are applicable to objects found on the selected database platforms.	*Data Governance features require ER/Studio and Team Server	
GROUPED OBJECT COMMAND EXECUTION	Execute database commands against a select grouping of objects (drop, compile, analyze, etc.).		
EXTENDED ALTER SUPPORT	Provides the ability to generate complex scripts as a result of object manipulation (inserting a column in the middle of a table).		

Support Data Governance Initiatives Through Inline Metadata

Enhance the data quality of your organization with Rapid SQL's developer capabilities. Instantly gain valuable context to SQL query development and become aware of sensitive data stemming from PII, regulatory, data governance policies and their policy owners



Ready to learn more about RAPID SQL 2016? | 1.888.233.2224 or sales@embarcadero.com

For data modelers and data architects, ask us about ER/Studio, the ultimate design, modeling, and collaboration solution.