

Data Management for Government Agencies



EMBARCADERO
TECHNOLOGIES®

As governmental agencies look to align their operations in response to line-of-business objectives, they need to efficiently and accurately design, build, and manage critical data, database applications, and their underlying infrastructures. Embarcadero Technologies delivers solutions that allow effective management, aligning business functions and the technologies and information that support them. By supporting a variety of IT environments, Embarcadero enables agencies to rapidly design, develop, and manage databases and applications as they build and grow their IT infrastructure to best support required government initiatives.

- Greater collaboration and resource sharing
- Better regulatory compliance and data security controls
- Optimized database performance and availability
- Improved productivity and resource utilization
- Greater collaboration and resource sharing



To optimize utilization of available assets, agencies need to understand what the data is, how it is structured, and where it resides. Taking a model-driven, metadata-rich approach to database management clearly documents the context of data, facilitating reuse and integration from internal sources, other agencies, or external stakeholders. Embarcadero offers highly navigable, cross-platform database modeling tools designed for logical data analysis, database design, and construction. With a clear understanding of the data and how it is structured, Embarcadero addresses data integration needs, allowing agencies to transform, migrate, and integrate large quantities of data from disparate sources.

BETTER REGULATORY COMPLIANCE AND DATA SECURITY CONTROLS

Agencies are subject to rigid regulations and need to provide audit trails accounting for all data authenticity. Critical to maintaining data integrity is understanding where the information originated. Increased visibility into data assets and rich metadata functionality ensure that data lineage is clearly understood, redundancies are limited, and standards are enforced. By leveraging metadata, Embarcadero tools allow users and agencies to better track and understand data, tracing the data trail to show what was changed, when, and by whom. Robust auditing capabilities ensure all changes are safeguarded against tampering or corruption.

OPTIMIZED DATABASE PERFORMANCE AND AVAILABILITY

Government database users have high performance expectations and require maximum uptime. Protecting against costly errors and downtime relies heavily on database performance and availability. Proactive performance management allows critical issues to be addressed before they impact operations. Embarcadero tools provide comprehensive monitoring and timely alerts to locate, diagnose, and resolve performance and availability issues before they become a threat to operations. Comprehensive 24x7 monitoring capabilities detect problems and help prioritize performance-tuning workloads to keep databases performing at peak efficiency.

IMPROVED PRODUCTIVITY AND RESOURCE UTILIZATION

As database environments become increasingly complex, dispersed, and harder to manage, automation of routine processes reduce the risk of manual errors and allow resources to proactively address system uptime. Embarcadero tools enable administrators to manage multiple databases from a single graphical console, lowering costs and allowing more efficient database management. These tools also help developers produce quality code faster, accelerating the delivery of critical applications while raising productivity of both expert and novice database programmers.

Embarcadero products
are available on
GSA Schedule –
#GS35F-5192G




Embarcadero Technologies, Inc. empowers application developers and database professionals with award-winning tools to design, build and run software applications and database systems in the environment they choose.


Using Embarcadero tools, developers, architects, and database administrators (DBAs) can capture and share knowledge, review work, control many moving parts, and achieve superior quality -- regardless of an organization's size or processes. They can seamlessly work together on a broad spectrum of internal, external, and packaged applications by leveraging our integrated and interoperable tools for multiple platforms, stacks, languages, architectures, frameworks, databases, and methods. And all the while expend less effort while still gaining agility, speed, and control throughout the development process.


COMPREHENSIVE TOOL CHEST


 **Embarcadero® All-Access™** is a powerful product solution that transforms the way you buy tools. The All-Access Pass unlocks a powerful tool chest of award-winning, multi-platform Embarcadero products making it easier than ever to acquire, deploy, use, and manage your software development and database tooling.


RAPID APPLICATION DEVELOPMENT TOOLS

 **CodeGear® RAD Studio** is a complete rapid application development solution for building native Windows®, .NET, Web, and database applications. It includes Delphi®, C++ Builder®, and Delphi Prism™.


 **Delphi®** is the development environment of choice for software developers and database application developers building departmental workgroup applications on Windows platforms .

 **C++ Builder®** gives software developers the best of both worlds – the power of the C and C++ languages and libraries with the productivity of visual rapid application development.


 **Delphi Prism™** fully supports the latest .NET technologies, integrates with Visual Studio, and boasts the state-of-the-art Delphi Prism language with features such as generics, sequences, queries, and parallel computing which reduce development time and costs.

 **Delphi®/400** modernizes System i applications with minimal coding, reducing end-users' learning curve and making them more productive.


JAVA DEVELOPMENT TOOLS


 **JBuilder®** offers Java developers an enterprise-class IDE based on the Eclipse open source framework with support for heterogeneous application servers. Features include collaborative team development, code archeology, visual EJB development, code profiling and performance tuning, a Swing UI designer, UML modeling, and Application Factories to increase code reuse and productivity.

DESIGN AND ARCHITECTURE TOOLS


 **ER/Studio®** is a data modeling tool that helps companies discover document, and re-use data assets. It gives data architects the power to easily reverse-engineer, analyze, and optimize existing databases.

 **ER/Studio® Enterprise Portal** is a browser-based architecture and design tool that allows organizations to share, browse, and report on the metadata contained in the ER/Studio repository for improved data and metadata management practices.


 **Embarcadero® EA/Studio™** creates a graphical representation of a business from the core concepts that describe the business to the processes that detail how the business operates.

 **Embarcadero® Schema Examiner™** ensures the integrity of database schema by performing a comprehensive set of diagnostic tests that validates the schema and ensures enforcement of relational model rules.


DATABASE MANAGEMENT AND MONITORING TOOLS


 **DBArtisan®** is the cross-platform database administration tool that helps DBAs maximize availability, performance, and security. The comprehensive graphical editors and wizards boost productivity, streamline routine tasks, and reduce errors so DBAs can manage larger, more complex databases.

 **RapidSQL®** is the cross-platform SQL IDE that helps database developers improve SQL scripting, query building, object management, project management, and version control in live databases or offline source code repositories.

 **Embarcadero® Change Manager™** offers DBAs and developers a powerful set of tools to simplify and automate the database change management lifecycle. Change Manager's capabilities include: schema compare and alter, data compare and synchronization, and configuration auditing. These features report on database changes, roll out new releases, and pinpoint database performance issues that result from unplanned and planned changes.


TUNING AND PERFORMANCE TOOLS


 **Embarcadero® Performance Center™** detects, diagnoses, and corrects database performance degradation issues which resolves performance issues and improves end-user service satisfaction levels.

 **Embarcadero® DB Optimizer™** maximizes database performance by enabling developers and DBAs to quickly discover, diagnose, and optimize poor-performing SQL. DB Optimizer eliminates performance bottlenecks by discovering data-intensive or frequently executed queries, focusing on specific SQL statements through query statistics, and optimizing any problematic statements.


WEB DEVELOPMENT TOOLS


 **3rdRail™** (Ruby on Rails IDE) is a complete, intuitive IDE that delivers the power needed to dramatically accelerate Ruby on Rails™ Web development with innovative and powerful features built from the ground up for Ruby on Rails developers.

 **TurboRuby™** is the intuitive IDE that delivers the power needed to dramatically accelerate non-Rails Ruby Web development. It helps developers write applications faster, with fewer keystrokes using intelligent Code Completion and lets them switch and navigate with Commanders and Code Navigation.

 **Delphi® for PHP** makes building robust Web applications easier with visual drag-and-drop tools, powerful editor, connectivity to leading databases, and an integrated reusable component class library.

EMBEDDED AND WORKGROUP DATABASES

 **InterBase® SMP** combines the performance benefits of a multi-generational architecture with peace of mind of log-based journaling and disaster recovery. Easy installation, a small footprint, automatic crash recovery, self-tuning, Unicode, built-in SMP support, SQL 92 compliance, and near zero maintenance makes InterBase SMP the ideal database for embedded and business-critical small-to-medium enterprise server applications.

 **Blackfish™ SQL** is a high-performance, small-footprint, SQL-92-compliant transactional database. Flexible licensing permits deployments for .NET or Java, for local or remote users, with no limits on database size, memory cache size or number of CPUs.