

# JBuilder

## The Fastest Way to Develop Enterprise Java™ Applications



**EMBARCADERO**  
TECHNOLOGIES

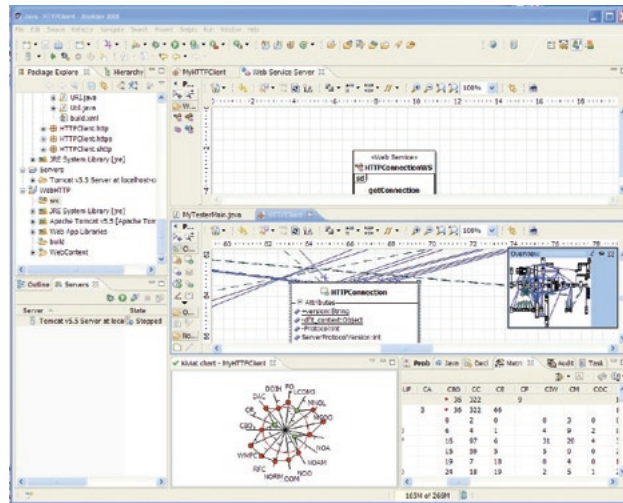


Embarcadero® JBuilder® 2008 R2 continues to drive innovation and increase Java developer productivity by providing an enterprise-class, Eclipse-based integrated development environment (IDE) with support for the leading commercial and open source Java EE 5 application servers. JBuilder 2008 R2 provides you with the analysis and profiling tools you need to enhance code quality and improve application performance. In addition, JBuilder 2008 R2 offers UML modeling, team development and collaboration, and a wide variety of visual designers to improve productivity, making it one of the most complete and powerful Java IDEs available.

- Improve code quality and performance
- Improve comprehension of new or existing code
- Increase individual and team productivity
- Capture developer intent and increase code reuse

### IMPROVE CODE QUALITY AND PERFORMANCE

JBuilder 2008 R2 supports both static and dynamic analysis of the code being created or maintained. Advanced code metrics allow developers to easily determine the quality and complexity of the code structure, helping them pinpoint potential problem areas quickly. Using code audits, developers can make certain that the code adheres to company standards, guidelines, and specifications. When it comes to optimizing code for peak performance, JBuilder 2008 R2 is ready to help by providing an integrated set of tools to profile running code and analyze the results, including precise drill-down information about performance bottlenecks in Java EE applications.



Exposing a web service in a Web services designer along with Kiviat graph showing code metrics

### IMPROVE COMPREHENSION OF NEW OR EXISTING CODE

JBuilder 2008 R2 provides Java UML 2.0 modeling capabilities, including support for all standard modeling diagrams such as sequence diagrams, use-case diagrams, activity diagrams, class diagrams, component diagrams, deployment diagrams, state machine diagrams, composite structure diagrams, communication diagrams, and Web services diagrams. And JBuilder allows both HTML format and template-driven document generation. The LiveSource technology simultaneously synchronizes changes made to the UML models in the code, and vice versa which saves developers redundant work.

### INCREASE INDIVIDUAL AND TEAM PRODUCTIVITY

JBuilder 2008 R2 provides code, project, and team management capabilities through TeamInsight™. Your developers have a unified, real-time view of project responsibilities for bugs, change requests, code notes, tasks, and requirements. The entire team shares a project Web portal with live data and team productivity statistics for enhanced project communication. JBuilder includes ProjectAssist™ which supports simple, single-point installation and configuration of a complete developer tool stack which saves you time-consuming, error-prone manual steps. Developers can also leverage advanced capabilities such as UML modeling, code audits and metrics, memory and CPU profiling, thread debugging, and visual Web Services and EJB designers, which collectively provide a more complete, full-featured Java IDE.

### CAPTURE DEVELOPER INTENT AND INCREASE CODE REUSE

Application Factories introduce an application-driven development model. The structure, evolution, and logic behind the development of the application are checked into version control along with the source code for the application itself. Integrated tools enable developers to make notes about the code, as well as create bread crumb trails to project- and file-specific developer knowledge thereby enabling capture of the developers' intent as part of the project. Metadata, which is also maintained as part of the project, can be opened by any subsequent developer to understand the context and purpose of code snippets, methods, and classes which are part of the application.

### Related Products

**RapidSQL®**  
A rich SQL IDE that simplifies SQL development for application developers.

**Embarcadero® All-Access™**  
Instant access to the languages, tools, and technologies to design, build, and run your software applications and database systems.

### Product Editions

**Turbo**  
Available as a free, certified Eclipse bundle, JBuilder Turbo provides the basic features and functions needed to create and deploy Java applications to today's leading commercial and open source application servers.

**Professional**  
Adds expanded support for Java EE 5 and Web services, as well as code profiling and performance tuning tools, sophisticated Swing design capabilities, and basic UML modeling features.

**Enterprise**  
Provides a complete, full-featured Java IDE with code profiling and performance tuning, code audits and metrics, UML modeling and code archeology, and support for team development and collaboration.

Features	Description
<b>JBuilder</b>	
Performance Analysis Tools	Includes memory (resource consumption), CPU (time consumption) profiling to give developers an easy-to-use set of tools that help them understand performance issues in minutes, and down to the exact lines of code that are causing them
Thread Debugger	Provides a real-time display of the progress of all threads running within the Java Virtual Machine (JVM), the ability to monitor wait-states and locks, and even predict potential deadlock conditions in the code
Request Analyzer	Profiles the performance behavior of Java EE application code across common Java EE components such as JDBC, RMI, JSP, JNDI, Enterprise JavaBeans (EJBs), JMS, and Web service protocol containers
Code Audits and Metrics	Includes over 90 software metrics and 200 code audits so developers can ascertain the overall quality of the object design and find complexity and cohesion between objects, test coverage, and many others to help pinpoint maintenance and performance issues
TeamInsight™	Facilitates improved collaboration amongst distributed team members with a unified real-time view of project responsibilities for bugs, change requests, code notes, tasks and requirements. Allows geographically dispersed teams to work simultaneously on the same code with collaboration features for local and remote design, edit and debug in real time.
ProjectAssist™	Provides simple, single point installation and configuration of a complete developer tool stack for bug tracking, source code management, project planning/tracking, requirements management, and continuous integration builds
Swing Designer	Contains a comprehensive set of user interface construction tools designed to enable developers to rapidly create Java Swing applications; provides full bi-directional code generation, with the visual design and the source always in 100% synchronization
UML Modeling	Fosters better communication between developers, developer teams, and management while it supports 1.4 and 2.0 UML specifications and includes LiveSource®, which gives the ability to keep code and diagrams in-synch at all times
EJB and JPA Modelers	Enables developers to create a visual model as they develop EJB applications and enables the creation of a Java modeling project with JPA support.
Web Services Designer	A visual, two-way designer for creating Axis based Web Service-enabled applications
Application Factories	Includes an application-driven development paradigm, where the structure, evolution, and logic behind the development of the application are captured and maintained as part of the development project within JBuilder

#### System Requirements

- 1 GB RAM minimum (1.5 GB RAM recommended) for JBuilder 2008 Enterprise
- 512 MB RAM minimum (768 MB RAM recommended) for JBuilder 2008 Professional
- 700 MB to 1.2 GB hard disk space minimum (depending on edition)
- Intel Pentium 4/2.4 MHz or higher (or compatible) for JBuilder 2008 Enterprise
- DVD-ROM drive (to install product from DVD)
- High-resolution monitor (1024x768)
- Microsoft Windows XP SP3, Microsoft Windows Vista Update 1, Mac OS X (10.5), Red Hat Enterprise Linux 5, Red Hat Enterprise Linux 4 for BES and InterBase 2009 only.
- Windows XP or Windows 2003 Server required for ProjectAssist installation and administration

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)