



# JBUILDER 2008

## What's New

### **The Open, Fully Supported, Eclipse-based Java IDE Now with Revolutionary Code Reuse Capabilities**

JBUILDER® 2008 is the latest release of CodeGear's enterprise-class Java™ IDE built on the Eclipse framework with support for the leading commercial and open source Java EE 5 application servers. JBuilder 2008 is focused on the overall developer experience across the application development lifecycle, and includes support for UML modeling, GUI design, thread debugging, code coverage and quality, performance analysis and tuning, code archeology, and team development and collaboration. Built on the Eclipse 3.3 (Europa) and Web Tools Platform (WTP) 2.0 frameworks, this release of JBuilder includes updated application server support, enhancements to TeamInsight™ and ProjectAssist™, improvements to the code coverage and performance analysis tools, and an updated version of InterBase. In addition, CodeGear has added a comprehensive set of user interface construction tools enabling developers to rapidly create Java Swing applications.

And while these enhancements and new features are significant on their own, JBuilder 2008 has raised the bar and reinvented the Java IDE with the introduction of Application Factories. Application Factories are a new approach to software development and code reuse. This innovative development metaphor and associated collection of tools allows developers to focus more on the nature and purpose of the application, and less on the underlying platform, framework, and technologies being used.

### **Application Factories – New!**

The Application Factories functionality in JBuilder 2008 introduces an application-driven development paradigm, where 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. The Application Factory has tools to record the developer's *intent* as an application is being created so that the workings of the code can be easily ascertained at a later date. And while Application Factories will certainly yield higher levels productivity during the development of an application, one of the biggest benefits may come when that application has to be modified or enhanced. This is because the metadata, which stays attached to the code when it is created, 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.

JBuilder 2008 comes with pre-built modules including end-to-end data-aware Web application modules for Struts 2, Spring MVC, and JSF, an e-commerce application module, and template application modules for PetStore and Book Store.

### **Swing Designer – New!**

Swing Designer in JBuilder 2008 is a comprehensive set of user interface construction tools designed to enable developers to rapidly create Java Swing applications. The visual designer, wizards, editors, and intelligent layout assistance supports Swing/AWT development including the most popular controls and layout managers. Swing Designer provides full bi-directional code generation, with the visual design and the source always in 100% synchronization. JBuilder developers can focus on creating application specific functionality rather than coding the low-level logic required for graphical user interfaces.

### **TeamInsight Support for StarTeam and Open API – New!**

JBuilder 2008 Enterprise edition supports the ProjectAssist installation or assimilation features for the following software products: Version Control (CVS or Subversion), Build System (Continuum), Defect Tracking (Bugzilla) or Task Provider (XPlanner). The JBuilder 2008 BALM Edition supports the ProjectAssist installation features for all the Enterprise edition components and now also supports the assimilation of an existing StarTeam installation (for Version Control, Defect Tracking or as a Task Provider).



In addition, an open API which allows the easy integration of third-party life-cycle management tools is now supported in ProjectAssist and TeamInsight.



### **Struts 1.x Support – New!**

JBuilder 2008 now has full support for Struts 1.x applications including graphical editing and Web flow development.

### **Single Media Installer and Update Center Snapshot– New!**

JBuilder 2008 is now available as a single install image whether you're installing from DVD or downloading an ESD version. Also, in order to accommodate those customers where connecting to the online update site is not possible, there is now an Update Center Snapshot DVD available for purchase. This DVD will be periodically updated to stay in sync with the online update center.

### **TPTP ProbeKit Support and CPU Root Filter – New!**

In the area of performance analysis, the new Progress Tracker capability enables development teams to continuously monitor and measure the impact of performance changes by allowing them to compare visual snapshots of their progress. In addition, the new CPU root filter capability enables developers to isolate and narrow down profiling, and the new ProbeKit functionality enables dynamic and static instrumentation of the application.

### **In Summary**

JBuilder 2008 combines benefits derived from the Eclipse open source platform, with enhanced reliability, functionality and quality professional developers expect from an enterprise-class Java IDE. CodeGear has reinvented the Java IDE with the introduction of Application Factories in JBuilder 2008, which also includes robust team development and collaboration features, full UML modeling capabilities, and powerful code coverage and performance analysis tools. JBuilder 2008 gives organizations confidence by bringing manageability to the world of open source downloads, plug-in tools and frameworks all within a trusted, turn-key solution. For more information on JBuilder 2008 or to view a full feature matrix comparing the features available in each edition of JBuilder, visit <http://www.codegear.com/jbuilder> or the CDN site at <http://dn.codegear.com>.