

# Borland® JBuilder® 2006

## FREQUENTLY ASKED QUESTIONS

### GENERAL QUESTIONS

#### What is Borland® JBuilder®?

Borland® JBuilder® is the leading cross-platform environment for building industrial-strength enterprise Java™ applications and the only IDE that supports virtual peer programming. JBuilder 2006 Enterprise speeds Enterprise JavaBeans,™ Web, JavaServer™ Faces (JSF™), Struts, Web Services, XML, mobile, and database application development with intuitive two-way visual designers and rapid deployment to leading J2EE™ application servers, including BEA® WebLogic,® IBM® WebSphere,® Sybase® EAServer, JBoss,® and the integrated Borland® Enterprise Server. Innovative peer-to-peer collaboration features such as shared editing, joint debugging, and active differencing enable developers to collaborate as though working in front of the same workstation, whether they are down the hall or around the world. Power your productivity with support for Java™ 2 Standard Edition (J2SE™) 5.0 (JDK™ 1.5), UML® code visualization, distributed refactoring, code audits, enterprise unit testing, and support for multiple version-control systems. Build in quality with integrated performance tools and J2EE profiling.

#### What's new in JBuilder 2006?

Discover the benefits of Virtual Peer Programming with new peer-to-peer developer collaboration features that allow local and remote developers to jointly design, edit and debug applications in real time. JBuilder 2006 automatically discovers other clients on the network, allowing users to easily form ad-hoc collaboration sessions and share projects, including stack traces, files, and debugging sessions.

Keep track of changes more easily with Active Difference Editing, which reveals source code changes inline within the editor and allows developers to track code differences through configurable text coloring, text fade-in and -out, and expandable or collapsible text. Active Differencing provides the flexibility and convenience to cycle through differences by flipping between versions of the file being compared and reverting or restoring specific changes. Used in conjunction with peer-to-peer developer collaboration, active difference editing provides a powerful collaborative programming experience.

Speed development with productivity enhancements including new refactorings, additional search options, and improved error navigation. Refactoring options now include Introduce Parameter, Extract Inner, Hoist Declaration,

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and Split Variable Declaration. Among the many new search capabilities, developers can now search for files by name in any directory tree including those defined by a folder or directory view node in the active project. Searching the content of files identified in a prior search is now available and searching is faster due to a new identifier cache. The editor's new optional global gutter view shows, in one glance, all errors in the current file and the relative location of those errors in the file.

Benefit from support for the latest standards including Java 2, Java 2 JFC/Swing, XML, Java2D, Message Queue, Java collections, Accessibility API, Speech API, Java™ 2 Platform, Enterprise Edition (J2EE™) 1.4, EJB 2.1, and more. Supports all JDK™ 5.0.3 (1.5) language features, including generics, and all J2SE 5.0 language features, including asserts. JBuilder 2006 is hosted on J2SE 5.0 for enhanced platform interoperability and performance

Take advantage of integration with the latest versions of leading application servers including BEA WebLogic Server™ 9.0, 8.1, and 7.0, Borland Enterprise Server 6.5 and 5.2.1, IBM WebSphere 6.0 and 5.1.2, JBoss 4 and 3.2, Sun Java System Application Server 8.1, Sybase EAServer 5.1, 5.0, 4.2, and 4.1 and Tomcat 5.5 and 4.1. Support for Oracle Application Server is available via 3rd party plug-ins.

What new features have been added in recent versions of JBuilder?

**JBuilder 2005 added:**

- Drag-and-drop visual JavaServer Faces (JSF) development
- Support for both J2SE 5.0 (JDK 1.5) and J2EE 1.4
- Code audits
- Integration with CaliberRM and improved integration with StarTeam, CVS, and Subversion
- Distributed refactoring
- Integrated Cross-tier J2EE Performance Analyzer
- Debugging of Ant scripts

**JBuilder X added:**

- Configurable personalities to streamline the environment to fit your needs

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- Additional refactorings and convenient access to refactor menu
- Code folding for easier navigation through large source files
- Enhanced syntax highlighting, including graying-out of unused variables, methods, and imports
- TagInsight™ for JSP, HTML, XML, and Ant build files
- Enhanced visual deployment descriptor editor
- Two-way visual Web Services and Struts designers

### **JBuilder 9 added...**

- Wizards for building applications based on Session Façades, Struts, and DTO patterns
- Borland Optimizeit Suite performance tools integrated within the JBuilder IDE
- Additional team development support for CVS, Microsoft® Visual SourceSafe® and Rational® ClearCase®

### **Which JBuilder is right for me?**

JBuilder Enterprise is a comprehensive development solution for designing, coding, and deploying industrial-strength enterprise Java applications. Development teams who build EJB applications or Web Services, require easy deployment to J2EE application servers, and need tools and wizards to speed development and optimize cross-tier J2EE performance choose JBuilder Enterprise for its powerful enterprise development and deployment capabilities.

JBuilder Developer is a solid Java IDE that speeds development of Web, database, and mobile applications. Developers and development teams looking for a lower cost and lighter weight but still powerful development solution choose JBuilder Developer for its powerful features, including visual designers for JavaServer Faces and Struts, distributed refactoring, code audits, unit testing, advanced debugging, team development, and integrated profiling tools to deliver fast, scalable, reliable applications.

JBuilder Foundation is a great Java development environment for students who want to learn Java and for developers who want a redistributable foundation on which to build standalone Java applications and plug-ins.

For more details, see the full Feature Matrix on the JBuilder product page at <http://www.borland.com/jbuilder>.

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### How does JBuilder fit into the Borland ALM/SDO Vision?

JBuilder is the developer's gateway to Borland's Software Delivery Optimization solution for Java applications. JBuilder provides a platform in which to manage the development lifecycle by tightly integrating peer collaboration, performance management, requirements management, change management, and more.

### Is JBuilder moving to Eclipse?

The next version of JBuilder (code named "Peloton") will also be the first commercial JBuilder product built atop the Eclipse platform (leveraging the JDT and WTP projects, among others). Peloton will combine JBuilder's trademark usability, advanced collaboration features, ALM integrations and enterprise-class support, with the flexibility, cost efficiencies, and broad ecosystem of the open Eclipse platform. It will provide the same level of quality, innovation, enterprise support and investment protection that customers expect from Borland and JBuilder. For more information on Project Peloton and the JBuilder Roadmap visit <http://bdn.borland.com/java/>.

### Does Borland still offer Borland® JBuilder® WebLogic® Edition?

Borland JBuilder WebLogic Edition is no longer available. All of the tight, leading-edge integration with WebLogic Server that was in JBuilder WebLogic Edition is now available in JBuilder Enterprise. JBuilder Enterprise provides the unique ability to deploy applications to BEA WebLogic Server, as well as to additional Web servers and application servers, including Tomcat, JBoss, IBM WebSphere, Sun Java System Application Server, Oracle Application Server, Sybase EAServer, and Borland Enterprise Server. With JBuilder Enterprise and the free WebLogic Platform download from the BEA Web site, you will have everything that previously was included in JBuilder WebLogic Edition—and more.

### What if I need maintenance or support on JBuilder WebLogic Edition?

JBuilder WebLogic Edition maintenance customers with current contracts will receive JBuilder 2005 Enterprise automatically. Support and maintenance renewals will be processed as JBuilder Enterprise support and maintenance rather than WebLogic Edition support and maintenance. Again, JBuilder Enterprise users get all of the great integration with WebLogic Server that has been available in JBuilder WebLogic Edition, plus the flexibility to work with other Web servers and application servers.

### Does Borland still offer JBuilder® SE?

JBuilder Developer replaces JBuilder® SE with even more compelling functionality. JBuilder Developer includes new support for Web, database, and mobile application development capabilities that were not available in JBuilder SE.

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Does Borland still offer the JBuilder® Performance Bundle?

JBuilder Enterprise now includes the complete Optimizeit Suite, including Optimizeit™ Profiler, Thread Debugger, and Code Coverage. That means JBuilder Enterprise now has the same functionality as the previous Performance Bundle, at a lower cost!

What additional software is included with JBuilder?

**JBuilder Developer includes:**

Borland Enterprise Server 6.5 with J2EE and CORBA (VisiBroker® for Java™) development licenses —Borland Enterprise Server is a leading certified implementation of the J2EE standard for the development and deployment of mission-critical enterprise Java applications and Web Services. The included version comes with software and development license. Additional licenses are required for deployment.

Borland® JDataStore™— A powerful, all-Java J2EE database suitable for applications with complex business logic, JDataStore can support thousands of concurrent users. Its speed, small footprint, nearly zero maintenance, and easy installation make it an ideal database for deployment on server, desktop, portable, and mobile platforms. This version of JDataStore is licensed for development use only. Deployment licenses are available for purchase at a low cost to JBuilder users.

Borland Optimizeit Profiler 2006—Isolate memory and CPU performance issues using the advanced capabilities of Borland Optimizeit Profiler to save you time and effort. Feature highlights include the Automatic Memory Leak Detector, Automatic Application Quality Analyzer, Progress Tracker, and more!

Partner CD—features software tools and components from Borland® Technology Partners.

**JBuilder Enterprise includes everything in JBuilder Developer, plus:**

Borland Optimizeit Enterprise Suite—Borland Optimizeit Enterprise Suite 2006 delivers a breakthrough solution for isolating and resolving performance hazards during the development of J2EE applications. Combining award-winning Borland Optimizeit Suite—memory and CPU profiling, thread and code coverage analysis—with Optimizeit Request Analyzer, Optimizeit Enterprise Suite offers a unique scope of performance data that extends from higher-level J2EE diagnostic metrics right down to deep code-level granularity.

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Crystal Reports® for Borland JBuilder—Tightly integrated with JBuilder, the custom version of Crystal Reports provides data connectivity, presentation, and integration components to simplify and accelerate the process of developing your application's JSP presentation layer.

Fortify Software for Borland JBuilder—Find security vulnerabilities in your Java code so you can fix them quickly and easily. Fortify Software's unique source code security analyzer and secure coding rules for Java and J2EE locate security flaws in your code accurately and automatically.

Sybase EAServer integration module for JBuilder—provides deployment and debugging of J2EE applications from JBuilder into the Sybase EAServer.

Borland® InterBase®— database software and development license (available from the JBuilder registered users Web site).

### What can I do with the Crystal Reports® capabilities included in JBuilder?

Crystal Reports for Borland JBuilder lets you connect to data, format it, and integrate the results into your JSP pages. It includes four main components:

- Intuitive designer for accessing and formatting data into reports
- 100% Java Reporting Component for processing and rendering reports from within a J2EE-compliant application server
- Java Viewer API for customizing end user report interaction—including viewing, drill-down, exporting, and printing—from within a J2EE application
- Custom Tag Library for simplified report integration into JSP pages

Sample applications, papers, tutorials, and other technical information is available in the Crystal Decisions' JavaZone at: [http://www.crystaldecisions.com/products/dev\\_zone/java/default.asp?ref=devzone\\_main](http://www.crystaldecisions.com/products/dev_zone/java/default.asp?ref=devzone_main).

### Are printed manuals available?

JBuilder includes complete online documentation in online help and printable PDFs. Printed manuals are not available. Visit the JBuilder documentation page <http://www.borland.com/techpubs/jbuilder/> for documentation updates.

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### How do I buy JBuilder?

JBuilder is available for purchase directly from <http://shop.borland.com>. ISVs, OEMs, VARs, and other volume buyers should contact a Borland sales representative. To find the Borland office nearest you, please visit: <http://www.borland.com/us/company/contact/index.html>.

### Where can I find more information on JBuilder?

More information about JBuilder is available on the Borland Web site at: <http://www.borland.com/jbuilder>

A wide variety of white papers, technical information sheets, and articles about JBuilder can be found on the Borland Developer Network at: <http://bdn.borland.com/java/>. Use the “search” function to locate specific information.

The JBuilder community supports several widely used newsgroups that may be accessed through the developer community site at: <http://bdn.borland.com>.

### How can I try JBuilder?

Download the latest JBuilder Enterprise Trial from [http://www.borland.com/products/downloads/download\\_jbuilder.html](http://www.borland.com/products/downloads/download_jbuilder.html). The JBuilder Enterprise Trial lets you try the full functionality of JBuilder Enterprise for 30 days, then automatically downgrades to JBuilder Foundation.

## TECHNICAL QUESTIONS

### How do the new peer-to-peer collaboration features work?

JBuilder 2006 incorporates a JmDNS-based discovery feature to automatically find other clients on the local network (a Jabber/XMPP server is required to provide discovery for users dialing in through VPN), allowing users to easily form ad-hoc collaboration sessions and share projects, including stack traces, files, and debugging sessions. Using the integrated chat client, a user can initiate a session and invite on-line colleagues to jointly view and edit source code, manipulate visual designs, and step through debug sessions. In order to serialize changes, a virtual token is passed among users in the session, and can also be unilaterally taken by the initiator of the session. Changes from different users are tracked in-line in the editor using different colors, and can be individually accepted or rejected by the session initiator – only the initiator can save modified files to disk or version control. Encryption and authentication can be enabled to protect data over the wire.

To view a demo of the peer-to-peer collaboration features, visit <http://www.borland.com/jbuilder>.

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### Is JBuilder a cross-platform development environment?

Yes. JBuilder is available on the Windows, Solaris, and Linux platforms. JBuilder is an outstanding solution for teams developing on a mixture of platforms because it provides the flexibility to use JBuilder on your platform of choice. Support for Windows, Linux, and Solaris platforms is available in one box, so there is no need to purchase separate products for multiple platform support.

### Can I develop mobile applications with JBuilder?

Yes. JBuilder Enterprise and JBuilder Developer include a fully integrated Java™ 2 Micro Edition (J2ME™)-compliant environment that supports software development in devices enabled for Java.

### Which standards does JBuilder 2006 support?

With JBuilder 2006, you can write applications that conform to many Java standards, including:

EJB 1.1, 2.0, 2.1

J2EE 1.4 (incl. J2EE 1.4 Web Services)

J2SE 1.3, J2SE 1.4, J2SE 5.0 (1.5)

JDK 1.3, 1.4, 5.0.3 (1.5)

JSP 1.1, 1.2, 2.0

Servlet 2.2, 2.3, 2.4

Struts 1.0, 1.1, 1.2

Apache Ant 1.5.x, 1.6.2

Apache Axis 1.2

Apache Cocoon 2.0.3

JSR 45

Xerces 2.4, Xalan-Java 2

JSTL 1.0, 1.1

JavaServer Faces 1.1

JNLP 1.0.0

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### Can JBuilder be used with my application server and Web server?

JBuilder 2006 Enterprise includes integration with:

BEA WebLogic 9.0, 8.1 SP4, and 7.0 SP6

JBoss 4.0 and 3.2.7

IBM WebSphere 6.0 and 5.1.2

Borland® Enterprise Server 6.5 and 6.0 RP1

Tomcat 5.5.9 with Servlet 2.4 and JSP 2.0, and 4.1.31 with Servlet 2.3 and JSP 1.2

Integration with Sybase EAServer 5.1, 5.0, 4.2.3, 4.1.3 is available through the Sybase EAServer integration module for JBuilder, included on the JBuilder Enterprise CD

Integration with Sun Java System Application Server 8.1

### What are the system requirements for JBuilder?

See the product datasheet at <http://www.borland.com/jbuilder>.

### Is JBuilder built on an open framework?

Yes. JBuilder is built on an OpenTools framework that is supported by a large development community. Visit Borland CodeCentral through <http://bdn.borland.com/> to download some of the many JBuilder OpenTools.

### How do I receive training for JBuilder and other Borland products?

The global Borland Consulting Services organization helps drastically reduce time-to-deployment by focusing the full strength and value of our specialized knowledge and experience on the challenges facing development and deployment. Borland delivers a variety of superior training, mentoring, and consulting options designed to expand your skills and help you rapidly leverage the technologies shaping professional development today. Ensure that the investments you make in Borland technology meet your business objectives. For more information, please visit <http://www.borland.com/services/index.html>.

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