

Borland® JBuilder® X

Frequently Asked Questions

General Questions

What is Borland® JBuilder®?

Borland JBuilder accelerates your Java™ development with the leading next-generation, cross-platform environment for building industrial-strength enterprise Java applications. JBuilder X Enterprise speeds EJB,™ Web, Web Services, XML, mobile, and database application development with two-way visual designers and rapid deployment to leading J2EE™ application servers, including BEA® WebLogic,® IBM® WebSphere,® Sun ONE,® Oracle9i,™ Sybase® EAServer, JBoss,® and the integrated Borland® Enterprise Server. Power productivity with innovative Struts and Web Services designers, UML™ code visualization, refactoring, enterprise unit testing, and support for multiple version control systems. Build in quality with integrated Borland® Optimizeit™ Suite performance tools. Leverage unparalleled flexibility afforded by the OpenTools architecture.

What's new in JBuilder X?

Some of the major new and enhanced features of JBuilder:

- **Configurable personalities to streamline your working environment.** Working on Web applications this week and don't need CORBA or J2ME? Just hide them away and tailor JBuilder to meet your personal needs.
- **More productive than ever editor.** For all the time that you spend working in the code, JBuilder has loads of new features that make it easier and more manageable, including code folding, graying out of unused variables and imports, as well as project-wide to-do's and bookmarks. Improved debugger with custom views allows you to customize the information displayed in the threads, call stacks, and data view for an object.
- **Easy access to new refactorings.** Use the new refactor menu for easy access to lots of new refactorings, including pull up, push down, introduce field/method, introduce superclass, and extract interface.
- **Web Services Designer puts you in control.** Use the new Web Services designer to visually create, validate, import, and export Web Services.
- **New DD Editor and JBoss integration** make deployment easier and provide additional deployment flexibility.
- **Innovative Struts designer helps you visualize your code.** You save time when building Web applications and gain a new level of insight into your applications.

- **Lots more Web development support.** TagInsight™ for JSP, HTML and XML, syntax highlighting for JSP Expression language, and Web application module support in the new DD Editor
- **Updated mobile development support** now supports MIDP 2.0, and NTT DoCoMo i-mode™ development using the DoJa SDK.
- **Integration throughout the application lifecycle.** JBuilder X provides even better integration with other Borland ALM solutions and with hundreds of third-party tools and components.
- **Automatic Application Quality Analyzer** supports error prevention by automatically detecting VM-level performance bugs ahead of time, before the performance of the application is impacted.
- **Progress Tracker** enables developers to track the impact of code changes on performance over time.

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

JBuilder 6 and 7 added:

- Support for enterprise build processes with Apache® Ant
- Improved application server integration framework
- Refactoring
- Unit testing
- UML™ code visualization
- Javadoc tools to save time documenting applications
- EJB 2.0 visual designer

JBuilder 8 added:

- Architect Web applications based on Apache Struts
- JSP™ Tag Library support
- HotSwap™ debugging to modify code while debugging
- JSR-45 support for non-Java source debugging
- Code formatting
- Project groups
- Enhanced project import capabilities
- Cactus integration for unit testing of J2EE, Web, and EJB™
- Section 508 accessibility features

JBuilder 9 added:

- Wizards for building applications based on Session Façades, Struts, and DTO patterns
- Borland Optimizeit Suite performance tools included and integrated in the JBuilder IDE

- Additional team development support for CVS, VSS, and Rational® ClearCase®
 - The ability to open and work with Borland® Together® Control Center® projects
 - Export project configuration as an Ant script
 - Enhanced, flexible Archive Builder with inclusion/exclusion filters
 - Smart code templates and macros, Sync Edit
 - ErrorInsight with code-correction error prompts
 - Enhanced, updated Web Services development tools
- Integrated J2ME™ tools for building mobile applications

Which JBuilder is right for me?

Borland offers JBuilder editions for all levels of Java development.

JBuilder® Enterprise takes Java development to the next level with a complete development solution for designing, coding, and deploying industrial-strength enterprise Java applications including Web Services, EJB, Web, and advanced XML applications.

JBuilder® Developer makes Java coding easier. JBuilder Developer includes time-saving tools such as refactoring and advanced debugging for building Java, Web, and database 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.

JBuilder,® WebLogic® Edition combines JBuilder Enterprise with the BEA WebLogic Platform™ SDK, including a development license for WebLogic Server,™ WebLogic Workshop,™ and more.

How do I choose between JBuilder Developer and JBuilder Enterprise?

JBuilder Developer is designed to appeal to die-hard coders who don't need all the wizards and enterprise capabilities of JBuilder Enterprise. It is targeted at expert developers who want to focus on code. JBuilder Developer provides a powerful Java IDE for building Web, database, and mobile applications.

Development teams who want to build EJB applications or Web Services, want easy deployment to J2EE application servers, and want additional tools and wizards to speed development and optimize performance often choose JBuilder Enterprise for its powerful enterprise development and deployment capabilities.

To compare the exact features in each version, check out the full Feature Matrix on the JBuilder product page at www.borland.com.

How do I choose between JBuilder® Enterprise and JBuilder,® WebLogic® Edition?

JBuilder, WebLogic Edition is the best choice if you have standardized on the BEA WebLogic Platform for deployment and want a bundle, which includes JBuilder plus a development license for the BEA WebLogic Platform. JBuilder Enterprise is the best choice if you want the flexibility to deploy to multiple application servers. JBuilder Enterprise, the most popular edition, has everything developers need to build Web, database,

and EJB applications, Web Services, mobile applications, and more. JBuilder Enterprise includes additional tools and wizards not found in JBuilder WebLogic Edition and supports easy deployment to leading J2EE application servers.

Does Borland still offer JBuilder® SE?

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

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!

How does JBuilder fit into the complete Borland solution for Java™?

JBuilder is the developer's gateway to the Borland solution for the design, development, testing, deployment, and management of Java applications. JBuilder provides a platform to manage the development lifecycle by tightly integrating with Optimizeit Suite for performance management, the Borland JDataStore™ embedded Java database, Borland Together modeling and analysis, Borland StarTeam for change management, and Borland® Enterprise Server for J2EE, Web, and CORBA® deployments.

What additional software is included with JBuilder?

JBuilder Developer includes:

- Borland Enterprise Server, AppServer Edition—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 includes software and a development license. Additional licenses are required for deployment.
- Borland JDataStore™—A powerful, all-Java™ J2EE™ database is suitable for applications with complex business logic and can support thousands of concurrent users. Its speed, small footprint, nearly zero maintenance, and easy installation make it a great database for deployment on server, desktop, portable, and mobile platforms. This version of JDataStore is licensed for development use only. Inexpensive deployment licenses are available for purchase.
- Partner CD featuring software tools and components from Borland® Technology Partners.

JBuilder Enterprise includes everything in JBuilder Developer, plus:

- Borland StarTeam® Personal Edition—Provides an automated and comprehensive software configuration management (SCM) system for supporting the management of assets and application lifecycle tasks from within a single repository.

- 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.
- Oracle Application Server Plug-in for JBuilder X—Oracle Application Server Plug-in for JBuilder X allows developers to build and deploy complex J2EE application to Oracle Application Server, which includes a high performance enterprise-class J2EE 1.3 compliant server.
- Sybase EAServer integration module for JBuilder X—Sybase EAServer integration module for JBuilder X provides deployment and debugging of J2EE applications from JBuilder X into the Sybase's EAServer.
- Salesforce.com sforce Toolkit for JBuilder X—The sforce Toolkit for JBuilder X provides plug-ins, sample code, and documentation that allow developers to easily integrate and extend salesforce.com-based CRM solutions.
- Altova xmlspy JBuilder Edition the industry standard XML Development Environment for designing, editing and debugging software applications involving XML, XML Schema, XSL/XSLT, SOAP, WSDL and Web Service technologies.
- 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 X?

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

A range of sample applications, white papers, tutorials and other technical information will also be offered to JBuilder customers in the Crystal Decisions' JavaZone at:

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.

How do I buy JBuilder?

JBuilder is available for purchase directly from <http://www.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/company/contact/where-to-buy.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. The JBuilder Enterprise Trial lets you try the full functionality of JBuilder Enterprise for 30 days. If you wish to evaluate JBuilder, we recommend the JBuilder Enterprise trial edition, as it includes the complete product feature set rather than the limited feature set available in JBuilder Foundation.

Technical Questions

Is JBuilder® a cross-platform development environment?

Yes. JBuilder is available on the Windows,® Solaris,™ Linux,® and Mac® OS 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 on one CD, so there is no need to purchase separate products for multiple platform support. JBuilder Foundation for Mac OS X is available with the other JBuilder Foundation downloads or on CD. JBuilder Developer for Mac OS X* is available as a free CD for JBuilder Developer owners. Request it through Developer Support.

Can I develop and consume Web Services with JBuilder?

Yes, JBuilder X Enterprise includes a new, next-generation Web Services designer to visually create and implement Web Services.

Can I develop mobile applications with JBuilder?

Yes. JBuilder Enterprise and JBuilder Developer include a fully integrated J2ME-compliant environment that supports software development in devices enabled for Java.

** Installer for Mac OS X not included in JBuilder X Enterprise.*

Which standards does JBuilder X support?

JBuilder X lets you write applications that conform to standards including:

- EJB 1.1/2.0
- J2EE 1.3
- J2SE™ 1.3, J2SE 1.4
- JDK® 1.4.2
- JSP™ 1.1, 1.2, JSP 2.0 (selected)
- Servlet 2.2, 2.3
- Struts 1.0, 1.1
- Apache Ant 1.5
- Apache™ Axis 1.1
- Apache Cocoon 2.0.3
- JSR 45
- Xerces 2.4, Xalan-Java 2
- JSTL 1.0

Can JBuilder be used with my application server?

JBuilder X Enterprise includes integration with:

- BEA® WebLogic® 6.1 SP5, 7.0 SP4, 8.1 SP1
- Jboss® 3.0.7, 3.2.1
- IBM® WebSphere® 4.0.6 AE, 4.0.6 AES, 5.0.2
- Sun® ONE Application Server 6.5 SP1, 7.0
- Borland® Enterprise Server 5.2.1
- Oracle9i™ Application Server 9.0.2, 9.0.3
- Sybase® EAServer 4.1, 4.2
- Tomcat 3.3.1, 4.0.6, 4.1.24

Does Borland offer support for migrating from VisualCafé™ to JBuilder?

Borland and BEA have a close partnership, and integration between JBuilder and WebLogic designed to be the tightest of any IDE. Borland offers an easier migration path from WebGain to Borland, including an import wizard to pull VisualCafé projects into JBuilder and white papers to show how to do it. Check out the link to the WebGain™-to-Borland Migration Center at <http://www.borland.com/jbuilder/>

Does JBuilder support JDK® 1.4?

JBuilder X is hosted on JDK 1.4.2. Users are able to target JDK 1.3 or 1.4 to develop, compile, and debug Java applications. The JBuilder editor also supports the latest language syntax.

What are the system requirements for JBuilder X?

See http://www.borland.com/jbuilder/pdf/jbx_sysreqs.pdf

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 Professional 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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