

INTEGRATED DEVELOPMENT ENVIRONMENTS

VENDOR	PRODUCT	LANGUAGES SUPPORTED	DEPLOYMENT PLATFORM	INCLUDES CODE-VERSIONING SYSTEM?	OTHER KEY FEATURES	PRICE
ACTIVESTATE SOFTWARE INC. Vancouver, British Columbia www.activestate.com (778) 786-1114	Komodo Professional 3.5.3	Perl, PHP, Python, Ruby, XSLT; customizable context-aware editor supports many other languages	Any PHP, Perl, Python or Ruby-based application server; client applications supported through GUI builder	Yes	Fully-integrated XSLT support, including an XSLT editor, debugger and code intelligence. Komodo installs on Linux, Mac OS X, Solaris and Windows; all four platforms are included with each license	\$295; \$495 bundled with one year of ActivePerl Professional or ActiveTcl Professional subscription service
BEA SYSTEMS INC. San Jose, Calif. www.bea.com (408) 570-8000	BEA Workshop Studio 3.0	Java, SOA, J2EE and Web applications	Support for debugging and deployment requires Apache Jakarta Tomcat, BEA WebLogic Server, Caucho Resin, IBM WebSphere, JBoss or Mortbay Jetty	Yes	AppXRay creates a database of all the artifacts and their hierarchy of relationships and interdependencies; benefits include code completion that reaches multiple levels, page variable names and their fields, real-time consistency and validation checking	Starts at \$899
BORLAND SOFTWARE CORP. Cupertino, Calif. www.borland.com (800) 632-2864	Jbuilder 2006	Java J2EE 1.4 and JDK 5.0	J2EE application servers, including BEA WebLogic, IBM WebSphere, Sybase EAServer, JBoss and Borland Enterprise Server	Yes	Eclipse-based; JSF, Struts and Web Services designers, UML code visualization, code-level collaboration features, two-way designers that let developers seamlessly alternate between code editing and visual design	Enterprise version is \$3,500 per license; Developer is \$499 per license
CINCOM SYSTEMS Cincinnati www.cincom.com (513) 612-2769	Cincom Smalltalk VisualWorks	Smalltalk	VisualWorks Application Server; support is provided for all major Web server interfaces, including Apache's FastCGI and IIS ISAPI	Yes	Support for MTS and Citrix; DotNet Connect allows interoperation between VisualWorks applications and Microsoft .NET	Contact vendor
ECLIPSE FOUNDATION INC. Ottawa http://eclipse.org (613) 224-9461	Eclipse 3.1	Java, C/C++, Fortran, PHP, Python, Perl and others through plug-ins	Supports all major J2EE servers, open-source application platforms, Windows and Mac OS X	Integrates with open-source Concurrent Versions System	Plug-in framework allows for easy extension; visual development tools, extensible graphic editing tools; hundreds of free and commercial plug-ins for various tasks	Open source, free
IBM CORP. Armonk, N.Y. www.ibm.com (800) 333-6705	Rational Application Developer for WebSphere Software	Web, service-oriented architecture, Java, J2EE and portal applications	Automated deployment tools include support for testing and debugging of local and server-side code on IBM WebSphere Application Server, WebSphere Application Server-Express, WebSphere Portal and Apache Tomcat	Yes	Visual developer tools for WebSphere Portal, Unified Modeling Language visual editing, code-analysis functions and automated test and deployment tools; visual construction tools for developing the services in SOA applications	Starts at \$2,155
JBoss (A DIVISION OF RED HAT) Atlanta www.jboss.com (404) 467-8555	JBoss Eclipse IDE	Java (designed for use with JBoss Enterprise Middleware System)	JBoss JEMS, Hibernate	Integrates with CVS	Open-source, free product license; IDE via integration with Eclipse 3; EJB 3.0 Project Wizard, Hibernate Tools, aspect-oriented programming tools, JBoss jBPM Graphical Process Designer	Open source, free (paid support available)
MICROSOFT CORP. Redmond, Wash. www.microsoft.com (800) 642-7676	Visual Studio 2005	Visual Basic, C++, C# and J#; more than 30 others through Microsoft's Visual Studio Industry Partner program	Windows 2000, XP, Server 2003, SmartPhone and Pocket PC development tools for Windows CE applications, Vista, SQL Server, Internet Information Server and .Net framework	Yes	XML editing, XSLT debugging, bundled controls for client and Web applications, cross-machine debugging	Contact vendor
ORACLE CORP. Redwood Shores, Calif. www.oracle.com (650) 506-7000	JDeveloper 10g	Java Enterprise Edition; also provides XML editing and XML schema modeling	One-click deployment support for Oracle Application Server, BEA Weblogic, JBoss and Tomcat; also supports Java Standard Edition and Java Mobile Edition clients	Yes	Built-in UML modeling and model-driven architecture; Oracle application development framework simplifies development of multitiered business applications	Free download
SUN MICROSYSTEMS INC. Santa Clara, Calif. www.sun.com (650) 960-1300	Sun Java Studio Enterprise 8	Java 2 Platform, Enterprise Edition (J2EE platform) 1.4 enterprise applications; swing-based Java client applications	Seamless deployment to Sun Java System Application Server; J2SE clients and J2EE servers	Yes	Based on NetBeans open-source IDE, bundled with the Java Web Services developer's pack 1.0 libraries, full support for the Java standard JAX-RPC SOAP runtime, including support for handlers, attachments and security; automatically generates editable WSDL for Web services	Free download (paid support available)
WINGWARE Brookline, Mass. www.wingware.com (617) 232-0059 info@wingware.com	Wing IDE for Python	Python	Zope and Plone application servers	Yes	GUI, Web and script debugging; remote debugging, exception traceback reporting, detect unhandled exceptions, integrated Python shell	\$179 per developer for Wing IDE Professional working on one operating system, \$295 for two OSs, \$395 for three OSs; \$35 per developer for Wing IDE Personal, \$60 for two OSs, \$80 for three OSs