BEA WebLogic Server™

WebLogic Server Tools

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WebLogic Server Tools

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1 Tools and Utilities for WebLogic Server 8.1

This document lists and describes tools and utilities used in WebLogic Server developer activities.

Tools from third-party vendors that are listed here are mentioned in various places in WebLogic Server documentation. Their inclusion on this page or elsewhere in our documentation does not imply official endorsement by BEA for use with our products, and we make no representation as to their quality or effectiveness.

- Development Tools
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- WebLogic Server Administration Utilities
- Databases and Database Utilities
- Caching Tool
- Security Tools and Utilities
- Optimizing Tools
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- IDE Export/Import Tools
- Modeling Tools
- Editing Tools
- Web Services Tools
- J2EE Scheduling Tools

Development Tools

Weblogic Server Developer Tools

Weblogic Tool	Description
WebLogic Builder	A graphical tool for assembling a J2EE application, creating and editing its deployment descriptors, and deploying it to a server.

Third-Party Tools for Developing WLS Applications

Tool	Description
JBuilder	Popular Java IDE.
Visual Cafe	Popular Java IDE.
Sun JDK	Be sure to get the latest from Sun.
Sitraka JClass	Popular Java IDE.
TogetherSoft ControlCenter	Development platform for enterprise applications.
iAnywhere	Software platform for mobile and wireless enterprise applications
Nokia SDK	Development environment for mobile and wireless applications.
Forte for Java	IDE for Java technology, based on NetBeans.
AltoWeb	Software platform for Web Services and J2EE applications.

Deployment and XML Utilities

WebLogic Server Deployment Tools

WebLogic Server Tool	Description
WebLogic Administration Console	The System Administration Console is a Web browser-based graphical user interface for managing WebLogic Servers. Its management capabilities include configuration, stopping and starting servers, monitoring server performance, monitoring application performance, viewing server logs, and editing application deployment descriptors.
WebLogic Builder	A graphical tool for assembling a J2EE application, creating and editing its deployment descriptors, and deploying it to a server.
EJBGen	Uses Javadoc markup to generate EJB deployment descriptor files and the home, local and remote interfaces.
weblogic.Deployer	Command-line WebLogic Server deployment of J2EE applications.

Third-Party Tools for Deploying WebLogic Server Applications

Tool	Description
Sitraka DeployDirector	Interface for deploying and updating Java applications.
TogetherSoft ControlCenter	Development platform for enterprise applications.
AltoWeb	Software platform for Web Services and J2EE applications.

ant Tasks Used in WebLogic Server Deployment

Tasl	Description
ddcreator	Uses the standard ant include and exclude selection mechanisms to select a set of deployment descriptors and compiles them into a serialized EJB deployment descriptor.
ejbc	Examines EJB interfaces and bean classes and serialised deployment descriptors, and generates the support classes needed to deploy the bean in a WebLogic Server EJB container.
ejbjar Weblogic element	Finds deployment descriptors, parses them to determine the necessary class files which implement the bean, and assembles them along with the deployment descriptors into a well formed EJB .jar file.
toplink	Handles beans that use Toplink for CMP operations. It
wljsp	Precompiles JSPs using weblogic's jsp compiler (weblogic.jspc).
wsgen	Uses information in the build.xml file to assemble Web services into Enterprise Application archive (.ear) files.
DDinit	Examines the contents of a staging directory and builds the standard J2EE and WebLogic-specific deployment descriptors based on the servlet classes and EJB classes. WebLogic Server includes the following utilities: weblogic.ant.taskdefs.ejb.DDInit Creates the deployment descriptors for Enterprise JavaBeans 1.1. weblogic.ant.taskdefs.ejb20.DDInit Creates the deployment descriptors for Enterprise JavaBeans 2.0. weblogic.ant.taskdefs.war.DDInit Creates the deployment descriptors for Web applications. weblogic.ant.taskdefs.ear.DDInit Creates the deployment descriptors for Enterprise Applications.
dtd element	Specifies the location of DTDs to be used when parsing the EJB deployment descriptor.

WebLogic Server Administration Utilities

Tool	Description
AppletArchiver	Runs an applet in a separate frame, keeps a record of all the downloaded classes and resources used by the applet, and packages them into either a .jar file or a .cab file.
wlrun	Starts a WebLogic server.
wlstop	Stops a WebLogic server.
getProperty	Gives you details about your Java setup and your system.
showLicenses	Displays license information about BEA products installed on your computer.
system	Displays information about your computer's operating environment, including the manufacturer and version of your JDK, your CLASSPATH, and details about your operating system.
logToZip	Searches an HTTP server log file in common log format, finds the Java classes loaded into it by the server, and creates an uncompressed .zip file that contains those Java classes.
MulticastTest	Sends out multicast packets and returns information about how effectively multicast is working on your network.
myip	Returns the IP address of the host.
verboseToZip	Takes the standard output from a Java application run in verbose mode, finds the Java classes referenced, and creates an uncompressed `.zip` file that contains the Java classes.
version	Displays version information about your installed WebLogic servers via `stdout`.
writeLicense	Writes information about all your WebLogic licenses in a file called `writeLicense.txt` in the current directory.

Databases and Database Utilities

WebLogic Server Database Utilities

Tools	Description
java.utils.Schema	Generates new JDBC stores, deleting the existing versions.
java.utils.dbping	Verifies that WebLogic jDriver for Microsoft SQL Server can connect to your SQL server.
t3dbping	Tests a WebLogic JDBC connection to a DBMS via any two-tier JDBC driver.

Third-Party Database Application

Tools	Description
Pointbase	Java database application used in WebLogic Server examples.

Caching Tool

Tool	Description
TimesTen Front Tier	Dynamic data caching.

Security Tools and Utilities

WebLogic Server Security Utilities

Tool	Description
der2pem	Converts an X509 certificate from DER format to PEM format.
pem2der	Converts an X509 certificate from PEM format to DER format.

Third-Party Security Tools

Tool	Description
CodeSigning Digital ID	Digitally sign software and macros for secure delivery over the Internet.
RSA KEON	Public key infrastructure for e-business.
RSA BSAFE	Software development kits with encryption technology.

Optimizing Tools

Tool	Description
OptimizeIt	Application optimizing, now by Borland.
JProbe ServerSide Suite	Application optimizing by Sitraka.

Packaging Tools

Tool	Description
InstallShield	Multi-platform installation development.
InstallAnywhere	Multi-platform installation development.

Interoperability Tool

Tool	Description
WebLogic Tuxedo Connector	Provides interoperability between WebLogic Server applications and Tuxedo services.

Migration Tools for WebLogic Server

Tool	Description
WebLogic Administration Console	The System Administration Console is a Web browser-based graphical user interface for managing WebLogic Servers.

Monitoring Tools

WebLogic Server Monitoring Tools

Tool	Description
WebLogic Administration Console	The System Administration Console is a Web browser-based graphical user interface for managing WebLogic Servers.

Third-Party Monitoring Tools

Tool	Description
Empirix FarSight	Web Application monitoring.
SQL Monitor	WebLogic-specific SQL query monitoring.
P6Spy	Open-source SQL query monitoring.
Introscope	Performance management for applications running on Java Application Servers, from Wily Technology.

Testing Tools

Tool	Description
JProbe	Load testing tool.
LoadRunner	Load testing tool.
Empirix Beantest for WebLogic Server	Scalability and functionality testing for EJB middle-tier applications.
Empirix e-Test Suite	Web testing and monitoring.
Empirix e-Tester	Automated functional and regression testing for Web applications.
Empirix FirstACT	Load and functional testing of Web Services and COM components.

Tool	Description
Empirix e-Load	Web load testing

IDE Export/Import Tools

Tool	Description
BEA WebLogic Export Utility for IBM VisualAge for Java v3.5	Exports project files and packages from IBM VisualAge to your system.
BEA WebLogic Import Utility for VisualCafe	Imports the files exported from VisualAge into WebGain VisualCafe.

Modeling Tools

Tool	Description
TogetherSoft ControlCenter	Development platform for enterprise applications.
Rational Rose	Model-driven development tool.

Editing Tools

WebLogic Editor

Tool	Description
BEA XML Editor	XML editor capable of validating XML code according to a specified DTD or XML Schema.
WebLogic Builder	A graphical tool for assembling a J2EE application, creating and editing its deployment descriptors, and deploying it to a server.

Third-Party Editors

Tool	Description
Stylus Studio	XML development environment.
Emacs	The extraordinarily powerful text editor.
Java Development Environment for Emacs	Software package that interfaces Emacs to command-line Java development tools.
TextPad	Editor for plain text files.
Enscript	Converts ASCII files to PostScript and stores generated output to a file or sends it directly to the printer.
XMLSpy	XML Schema-driven document and content editing.

Web Services Tools

WebLogic Web Services Tools

Tool	Description
WebLogic Workshop	GUI-based approach to developing distributed, interconnected, and loosely coupled enterprise-class Web Services, for the corporate developer.

Third-Party Web Services Tools

Tool	Description
CapeConnect	Web Services platform.

J2EE Scheduling Tools

This table shows third-party tools for scheduling actions in your J2EE application.

Tool	Description
Flux	J2EE scheduling.
Kronos Enterprise Scheduler	J2EE scheduling.