BEA WebLogic Server™

WebLogic Server Tools

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CHAPTER 1

Tools and Utilities for WebLogic Server 8.1

This document lists tools, utilities, and Ant tasks 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.

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WebLogic Server Tools and Utilities

Developer Tools

Tool	Description
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 from a single bean class file.

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

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.

Deployment Tools

Tool	Description
WebLogic Administration Console	The Administration Console is a 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.
`weblogic.Deployer`	Command-line WebLogic Server deployment of J2EE applications.
`ClientDeployer`	Extracts the client-side JAR file from a J2EE EAR file, creating a deployable JAR file.

WebLogic Server `ant` Tasks

Task	Description
`autotype`	Generates non-built-in data type components, such as the serialization class, for Web services.
`BuildXMLGen`	Generates a `build.xml` file for enterprise applications in the split-directory development structure.
`clientgen`	Generates a client JAR file.
`ddcreate`	Generates `application.xml` and `weblogic.xml` for an EAR.
`ejbc`	Examines EJB interfaces and bean classes and serialized deployment descriptors, and generates the support classes needed to deploy the bean in a WebLogic Server EJB container.
servicegen	Takes as input an EJB JAR file or a list of Java classes, and creates all the needed Web Service components and packages them into a deployable EAR file.
source2wsdd	Generates a `web-services.xml` deployment descriptor file from the Java source file for a Java class-implemented WebLogic Web Service.
`wlappc`	Generates and compiles the classes needed to deploy EJBs and JSPs to WebLogic Server.
wlcompile	Invokes the `javac` compiler to compile your application's Java files in a split development directory structure.
wlconfig	Configures a WebLogic Server domain by creating, querying, or modifying configuration MBeans on a running Administration Server instance.
`wldeploy`	Performs `weblogic.Deployer` functions using attributes specified in an Ant task.
wlpackage	Packages your split development directory application as a traditional EAR file that can be deployed to WebLogic Server.
wlserver	Starts, reboots, shuts down, or connects to a WebLogic Server instance.

Task	Description
wsdl2Service	Takes as input an existing WSDL file and generates the Java interface that represents the implementation of your Web Service and the web-services.xml file that describes the Web Service.
wsdlgen	Generates a WSDL file from the EAR and WAR files that implement your Web Service.
wsgen	Uses information in the build.xml file to assemble Web services into Enterprise Application archive (.ear) files.
wspackage	Packages the various components of a WebLogic Web Service into a new deployable EAR file and add extra components to an already existing EAR file.

Administration Utilities

Tool	Description
Administration Console	Browser interface for managing WebLogic Server.
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.
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.

Tool	Description
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.
weblogic.Admin	Administers, configures, and monitors WebLogic Server.
wlconfig	Creates, queries, and configures configuration MBeans on a running Administration server.
weblogic.Deployer	Command-line interface to WebLogic Server deployment API.
wldeploy	`Ant` task that performs `weblogic.Deployer` functions specified in an `Ant` script.
writeLicense	Writes information about all your WebLogic licenses in a file called `writeLicense.txt` in the current directory.

Database Utilities

Tools	Description
Schema	Generates new JDBC stores, deleting the existing versions.
dbping	Verifies that WebLogic jDriver for Microsoft SQL Server can connect to your SQL 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.

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.

Interoperability Tool

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

Migration Tools

Tool	Description
WebLogic Administration Console	The System Administration Console is a Web browser-based graphical user interface for managing WebLogic Servers. If you have used a pre-6.0 version of WebLogic Tuxedo Connector, you must convert your `weblogic.properties` files. Instructions for converting your files using a conversion script are available in the Administration Console Online Help section called "Conversion."

Monitoring Tools

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

Editing Tools

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.

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 Tools and Utilities for WebLogic Server

Development Tools

Tool	Description
iAnywhere	Software platform for mobile and wireless enterprise applications
JBuilder	Popular Java IDE.
Nokia SDK	Development environment for mobile and wireless applications.
Sitraka JClass	Popular Java IDE.
SDK	See Supported Configurations for a list of SDKs that can be used with WebLogic Server.
Sun ONE Studio	IDE for Java technology, based on NetBeans.
Borland Together ControlCenter	Development platform for enterprise applications.
WebSphere Studio Application Developer	IBM's development environment for J2EE applications.

Deployment Tools

Tool	Description
Sitraka DeployDirector	Interface for deploying and updating Java applications.
Borland Together ControlCenter	Development platform for enterprise applications.

Database Application

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

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.

Monitoring Tools

Tool	Description
Empirix FarSight	Web Application monitoring.
Introscope	Performance management for applications running on Java Application Servers, from Wily Technology.
Veritas i3 for Web-J2EE	Monitoring, analysis, and tuning tool for Web-based J2EE Applications.

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.
Empirix e-Load	Web load testing

Modeling Tools

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

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

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.