

# ORACLE WEBLOGIC SERVER 11g STANDARD EDITION

## KEY FEATURES AND BENEFITS

THE INDUSTRY'S LEADING  
JAVA APPLICATION SERVER

### FEATURES

- Flexible download and installation options
- Complete implementation of key standards
- Industry-leading performance
- Oracle JDeveloper and Eclipse support
- Oracle TopLink and ADF
- High fidelity graphical Administration Console

### BENEFITS

- Retrieve and install just what you need
- Compatible and interoperable
- Efficiently leverage hardware systems
- Developer choice; use the right tool for the job
- Simplified development with support for modern, rich enterprise applications
- Manage your environment easily and completely with logical layout and built-in help

*Oracle WebLogic Server Standard Edition is the application server of choice for enterprises of all sizes. The current release implements the latest Java Platform, Enterprise Edition 5 (Java EE 5) specification, and updated Web services standards, providing simplified development and greater interoperability in support of service-oriented architecture (SOA). Developers can choose between key open source and commercial development frameworks and integrated development environments (IDEs). Additionally, Oracle WebLogic Server Standard Edition provides a manageable runtime platform with reliability, availability, scalability, and industry-leading performance.*

### Product Overview

Oracle WebLogic Server Standard Edition provides developers with the tools and technologies to write enterprise applications and services quickly. In production, Oracle WebLogic Server Standard Edition provides operations teams with the administration capabilities to keep enterprise applications and services up and running.

### Agility

Being responsive to change means you need to be nimble. Oracle WebLogic Server Standard Edition allows you download and install what you need to get productive quickly. The download experience is fast and flexible. The installation options are tailor-made to match your unique environment. Overall product acquisition and installation has never been better.

### Simplified Development

#### TopLink and Application Development Framework (ADF)

TopLink is the industry standard Object-Relation Mapping (ORM) tool enabling fast and reliable access to information located in data stores. It is essential technology for enterprise applications providing retrieval and storage of customer information, pricing, and other critical attributes that must persist beyond a user's session. TopLink technology is the basis of the Java persistence standard implemented by all Java EE application servers.

ADF is a design time framework that simplifies development and provides web interfaces in support of SOA services and Rich Enterprise Applications (REAs). Developers can also take advantage of several popular development frameworks

including the open source Spring Framework and others.

### **JDeveloper & Oracle Enterprise Pack for Eclipse (OEPE)**

Choice reflects Oracle's support for both open source development offerings and commercial code. Developers can choose the completeness of Oracle JDeveloper Integrated Development Environment (IDE) that spans Oracle Fusion Middleware or Eclipse-based tooling with Oracle supported plug-ins.

### **FastSwap**

It's not enough to simply offer more tooling options. Oracle WebLogic Server Standard Edition includes FastSwap capabilities that dramatically reduce the development-deploy-debug cycle. The time saving comes from the ability to update Java class files and have those changes take immediate effect on the application under development—without having to restart the application or server. It's a radical reduction in time normally lost to restarts and application state loss.

### **HTTP Publish-Subscribe Engine & Oracle WebCache**

Many customers are deploying REA applications that marry the best of web applications and traditional desktop applications. Asynchronous JavaScript and XML (AJAX) is a popular technology that helps enable client applications with high degrees of usability. On the server end, Oracle WebLogic Server Standard Edition offers an HTTP publish-subscribe server that can communicate with REAs asynchronously. This enables up-to-date information to be pushed from the server to the client without the user needing to refresh their browser or web application.

Oracle WebCache efficiently compresses HTML and XML information even over low bandwidth networks. This reduces network traffic and smooths the delivery of modern, REA applications.

<b>Simplified Development Features and Benefits</b>	
Java EE 5/EJB 3.0	The latest specification with focus on ease of development, representing a major overhaul of EJB technology
FastSwap	Reduces time spent during the develop-deploy-debug cycle for more efficient application development
Oracle TopLink	Provides streamlined method of storing important objects to data stores, available to all Java applications
ADF	Simplifies production of Rich Enterprise Applications and SOA-based applications
Oracle JDeveloper	Leverages the premier development tool and framework for Oracle Fusion Middleware
Web Services Standards	Includes updates to key standards which are fundamental technologies in support of SOA. Interoperable with .NET
Open Source Choice	Provides developers with options—including Struts, the Spring Framework, and other open-source projects—to meet all development needs
High performance JMS	A very fast, reliable, standards-based messaging system for application-to-application

messaging	communication. Developers write applications that produce and/or consume messages without having to know implementation details of both sender and receiver.
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### Superior Manageability

Simplifying new application and service development is only half the equation. You must be able to deploy and run them in a highly reliable and manageable environment. Human errors made by operations staff when making changes to running servers can cause significant damage to customer loyalty and revenue.

To address this challenge, Oracle WebLogic Server Standard Edition continues its relentless pursuit of uptime. Its administration console includes features such as a change center to help prevent inadvertent errors, as well as an ability to auto-record domain configuration changes in the console for playback with a single command via Oracle WebLogic Server’s scripting tool. This enables you to cut down potential errors when working on repetitive procedures.

Operations teams will also appreciate improvements to Oracle WebLogic Server Standard Edition’s diagnostic framework (WebLogic Diagnostic Framework - WLDF) and corresponding administration console extension that displays diagnostic information surfaced from running servers. The administration console also includes an extension that supports applications written in the Spring Framework. Administration console look and feel customizations can be easily applied.

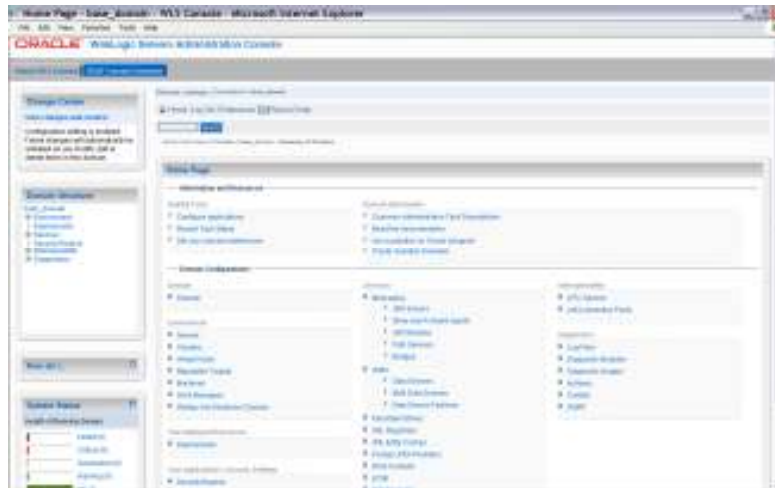


Figure 1. Oracle WebLogic Server Administration Console with WLDF extension.

Manageability Features and Benefits	
Administration console change center	Prevents human error when making configuration changes by providing lock-and-edit capability in the Oracle WebLogic Server Standard Edition administration console change center. Includes roll back if unable to accept the proposed update
Auto-record administration console	Saves time and reduces human error by allowing auto-recording of repetitive domain configuration changes made in

**RELATED PRODUCTS**

Oracle WebLogic Server Standard Edition is the application server that provides industry-best performance and easy administration. Other Oracle Fusion Middleware offerings come together to form a complete and integrated set of capabilities to meet various business scenarios.

**RELATED PRODUCTS**

Extend Oracle WebLogic Server Standard Edition with the following:

- Oracle Enterprise Manager Diagnostics Pack
- Oracle Coherence Standard Edition

configuration changes	the Oracle WebLogic Server Standard Edition administration console and replay using a single command via Oracle WebLogic Server's scripting tool
Application upgrade from prior releases	Continues to provide leadership in the area of application upgrade, supporting application upgrades from previous versions and interoperability across product versions

**Fast Runtime Engine**

Oracle JRockit Java Virtual Machine (JVM) comes built-in for optimized high performance on enterprise servers.

**Supported Platforms**

Note that Oracle WebLogic Server Standard Edition offers comprehensive application connectivity to various databases using Java Database Connectivity (JDBC) drivers.

For specific supported platforms and configuration detail, refer to the following documentation hub: [oracle.com/technology/documentation/index.html](http://oracle.com/technology/documentation/index.html).

<b>Supported Platforms</b>	
Software	
Operating system (32-bit and 64-bit supported)	<ul style="list-style-type: none"> <li>• AIX</li> <li>• HP-UX</li> <li>• Linux</li> <li>• Solaris</li> <li>• Windows</li> </ul>
Databases	<ul style="list-style-type: none"> <li>• Oracle (and Oracle Real Application Clusters)</li> <li>• IBM DB2</li> <li>• Microsoft SQL Server</li> <li>• MySQL</li> <li>• Sybase</li> </ul>
Web Servers	<ul style="list-style-type: none"> <li>• Apache</li> <li>• Microsoft IIS</li> <li>• Oracle HTTP Server</li> <li>• Sun Java System Web Server</li> </ul>
Java	<ul style="list-style-type: none"> <li>• Java Platform, Standard Edition 6</li> <li>• Java Platform, Enterprise Edition 5</li> </ul>

**Contact Us**

For more information about Oracle WebLogic Server Standard Edition, please visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.



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