FEATURE MATRIX

ORACLE WEBLOGIC SERVER STANDARD EDITION 11*g*

ORACLE WEBLOGIC SERVER ENTERPRISE EDITION 11*g*

ORACLE WEBLOGIC SUITE 11*g*

KEY FEATURES

ORACLE WEBLOGIC SERVER
STANDARD EDITION

- Flexible download and
  installation options
- FastSwap iterative
  development
- Web 2.0 and REA support
- High fidelity administration
  console
- Java EE 5/Java SE 6 support
- Oracle TopLink ORM
  persistence
- Oracle Application
  Development Framework
- Ingrained support for the
  Spring Framework
- Oracle JDeveloper IDE
- Eclipse plug-ins via Oracle
  Enterprise Pack for Eclipse
- Latest Web services
  standards
- Oracle Platform Security
  Services
- Industry-leading performance

ORACLE WEBLOGIC
ENTERPRISE EDITION

- High performance clustering
  and failover capabilities
- Low-overhead Java
  application monitoring and
  diagnostics
- Enterprise Grid Messaging -
  high performance messaging
- GridLink for RAC – High
  Availability with database

ORACLE WEBLOGIC SUITE

- Scale-out for data intensive
  applications
- ActiveCache – integrated in-
  memory data grid
- Predictable performance
- Real Operations Insight and
  Real Operations Automation

The Oracle WebLogic application server family includes three offerings; Oracle WebLogic Server Standard Edition, Oracle WebLogic Server Enterprise Edition and Oracle WebLogic Suite. Oracle WebLogic Server Standard Edition is a comprehensive application server that provides developers with the tools and technologies to write enterprise applications and services quickly. For applications that require high availability and superior diagnostics, Oracle WebLogic Server Enterprise Edition offers all the features and benefits of Oracle WebLogic Server Standard Edition plus proven clustering technology, multi-domain management, and diagnostic tooling. In support of dynamic scale-out applications Oracle WebLogic Suite provides in-memory data grid technology, predictable performance and comprehensive management capabilities for efficient operation.

Enable Enterprise Agility

Oracle WebLogic Suite is the cornerstone Java EE platform in support of application grid computing - an architecture that enables enterprises to outperform their competitors while minimizing operational costs. Other Oracle Fusion Middleware products certify and run on Oracle WebLogic Suite making it the best foundation for Oracle environments.

The features of each of the Oracle WebLogic Server products are outlined in the tables that follow.

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Benefits	Description	Features	WebLogic Server Standard Edition	WebLogic Server Enterprise Edition	WebLogic Suite
Certified Java EE 5 compatible	Implements latest Java EE specifications	Servlets versions 2.5, 2.4, 2.3, and 2.2	●	●	●
		JSP 2.1, 2.0, 1.2, and 1.1	●	●	●
		JSF 1.2	●	●	●
		JSTL 1.2	●	●	●
		JDBC 3.0	●	●	●
		JNDI 1.2	●	●	●
		JMX 1.2, 1.0	●	●	●
		JTA 1.2, 1.1	●	●	●
		J2EE connector architecture 1.5, 1.0	●	●	●
		EJB 3.0, 2.1, 2.0, 1.1	●	●	●
		Java Persistence API part of EJB 3.0	●	●	●
		JMS 1.1, 1.0.2b	●	●	●
		JAAS 1.2	●	●	●
		JDO 2.0	●	●	●
Developer productivity	Develop applications in the shortest possible time and for the lowest total cost	Ant-based build tools	●	●	●
		Eclipse 3.4, 3.3.2	●	●	●
		Eclipse Web tools platform 2.0.3	●	●	●
		Oracle AppXRay technology for as-you-type awareness of application artifacts	●	●	●
		Oracle JDeveloper: complete IDE for SOA and Java development	●	●	●
		Oracle TopLink persistence for developer productivity, performance, and scale	●	●	●
		Oracle Application Development Framework (ADF): struts and JSF based framework for rich Web apps	●	●	●
		Hot deployment	●	●	●
		Hot modification: FastSwap Java classes without application redeployment	●	●	●
		Optional service startup: start Web app container without EJB, JMS, JCA, etc.	●	●	●
		Lightweight installers: faster download and install, reduced on-disk footprint	●	●	●
		HTTP publish-subscribe server supports Web 2.0 REA clients asynchronously	●	●	●
		Versions compatibility	●	●	●

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		Filtering ClassLoader enables the use of application supplied versions of common libraries and frameworks	●	●	●
		Annotations and dependency injection	●	●	●
		Spring Framework support (2.5.3)	●	●	●
Production-ready reliability	Ensures that applications can access and update data reliably	Application failover to backup database via JDBC connection pooling	●	●	●
		Multiple data sources to support connections to Oracle RAC with load balancing, failover, and XA support	●	●	●
		Application load balancing via JDBC connection pooling	●	●	●
Enterprise-strength availability and scalability	Adds premium clustering capabilities to enable automatic failover, replications, and additional load balancing schemes	MAN/WAN replication and failover		●	●
		Whole server migration		●	●
		Side-by-side/production redeployment	●	●	●
		Asynchronous HTTP session replication reduces latency in HTTP client response		●	●
		Highly available singleton service management		●	●
		In-memory replication of EJB state		●	●
		In-memory replication of servlet session state		●	●
		Stateful session EJB failover		●	●
		Clusterwide JNDI naming service		●	●
		Automatic migration of Transaction Recovery Service (TRS)		●	●
High performance	Features that allow applications to run fast	Web caching (static HTML, servlet, JSP, full page, URL-based, file type-based)	●	●	●
		JSP tag caching	●	●	●
		Premium EJB caching with multicast update and invalidation across clusters		●	●
		Thread pooling, connection pooling, multipools	●	●	●
		Oracle WebLogic RMI optimizations	●	●	●
		Oracle JRockit JVM, tuned and optimized for high performance server-side computing	●	●	●
		Native platform performance packs	●	●	●

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Manageability	Simplified and granular application management and monitoring capabilities	Web-based administration console, providing monitoring and configuration of instances, resources, and applications	●	●	●
		Wizard-based domain and cluster configuration	●	●	●
		Application portability with JSR-88, JDBC, JMS, and WLDF modules, and deployment plans	●	●	●
		Repeatable, scriptable administration tasks with WLST	●	●	●
		Auto-record domain configuration changes for single command playback	●	●	●
		Programmatic management via JMX	●	●	●
		SNMP v1, v 2, v3	●	●	●
		Oracle Enterprise Manager diagnostics pack: collects performance, load, and usage metrics		●	●
		Oracle AD4J: real-time visibility into JVM and application state		●	●
		Oracle JRockit Mission Control: memory leak detection, profiling, and latency analysis of production for Oracle JRockit JVM production environments		●	●
Server self-tuning	Self-tuning capabilities simplify the process of configuring Oracle WebLogic Server for production environments with service-level requirements.	Work managers that prioritize work based on run-time performance and throughput	●	●	●
		Overload protection that allows work to fail over to another server in a clustered environment when system capacity is reached	●	●	●
Security	Controls access and provides authentication and authorization services	HTTPS, SSL v3, JAAS 1.0 Full, X.509 v3	●	●	●
		Pluggable security modules for authentication, authorization, auditing, and PKI management	●	●	●
		Built-in LDAP v3-based data store for all profile and entitlement data	●	●	●
		Role-based, dynamic rules driven access authorization engine	●	●	●
		Graphical security policy administration editor	●	●	●
		xTensible Access Control Markup Language (XACML) 2.0	●	●	●

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		Partial implementation of Core and Hierarchical Role Based Access Control (RABC) Profile of XACML 2.0	●	●	●
		Automatic conversion of existing access controls list (ACL)	●	●	●
Core Messaging	JMS messaging	Point-to-point, publish and subscribe, durable subscribers, XA compliant, XML messaging, unit of order, unit of work	●	●	●
		Asynchronous data processing with message-driven beans	●	●	●
		Oracle WebLogic JMS .NET client, a native .Net runtime library for C# client application access to JMS	●	●	●
		Plug and play with third-party messaging providers, including MQSeries	●	●	●
Web services	Distributed application functionality offered as a service over the Web or intranet	Support for SOAP, XML, JAX-RPC, UDDI, and WSDL	●	●	●
		Interoperable with .NET, MS Web services tool kit	●	●	●
		Web services metadata for the Java platform (JWS) 2.0, 1.0	●	●	●
		Java EE 5 conformant Web services, including EJB-based Web services, SOAP/JMS	●	●	●
		JAX-WS 2.1, 2.0 & JAXB 2.1, 2.0	●	●	●
		JAX-R 1.0	●	●	●
		MTOM: high performance transport of binary XML data as MIME attachment	●	●	●
		Advanced Web services, such as stateful conversations and buffered services	●	●	●
		SOAP 1.1, 1.2	●	●	●
		SOAP with attachments API for Java (SAAJ) 1.3,1.2	●	●	●
		WSDL 1.1	●	●	●
		UDDI 2.0	●	●	●
		Java EE Enterprise Web services 1.2, 1.1	●	●	●
		JAX-RPC 1.1	●	●	●
		WS-SecureConversation 1.3	●	●	●
		WS-Security 1.1, 1.0	●	●	●
		WS-SecurityPolicy 1.2	●	●	●
		WS-Policy 1.5, 1.2	●	●	●

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		WS-PolicyAttachment 1.5, 1.2	●	●	●
		WS-Addressing 1.0, 2004/08 member submission	●	●	●
		WS ReliableMessaging 1.1, 1.0	●	●	●
		WS-Trust 1.3	●	●	●
		SAML 2.0, 1.1	●	●	●
		SAML Token Profile 1.1, 1.0	●	●	●
		Highly-available Web services		●	●
Enterprise Grid Messaging	High availability and scalability message infrastructure	JMS functionality distributed across clusters		●	●
		Highly-available connection factories and destinations		●	●
		Automatic migration of messaging/JMS		●	●
		Store and Forward Messaging	●	●	●
		Integration with Oracle Advanced Queuing (AQ)	●	●	●
GridLink for RAC	Connectivity to Oracle RAC	Connectivity to RAC with load balancing, failover, transactions	●	●	●
ActiveCache	Integration to Oracle Coherence in-memory data grid	Enables scalability and offloads expensive back end systems	●	●	●
Distributed transaction management	Transaction management maintains consistency of user data and enforces concurrency rules to access different system components	Two-phase commit protocol support; leverages core Oracle Tuxedo transaction expertise	●	●	●
		Advanced transaction services including fault tolerance and transaction monitoring	●	●	●
System integration	Compatibility and interoperability with most major hardware, software, protocols, environments, and architectures	J2EE Connector Architecture 1.5, 1.0	●	●	●
		Bi-directional Oracle Tuxedo integration	●	●	●
		Microsoft COM+ Interoperability	●	●	●
		CORBA interoperability through IIOP	●	●	●
		Pluggable messaging infrastructure allows integration with other JMS messaging solutions	●	●	●
		Pluggable security allows integration with other security solutions	●	●	●
Built-in Web server	Provides manageability with a fully integrated Web server and	Oracle HTTP Server	●	●	●
		HTTP, servlets, JSP, CGI, and more	●	●	●
		Plug-ins for Apache, Microsoft IIS, Sun Java System Web Server	●	●	●

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	servlet container	Compatible with third party hardware load balancers such as F5 BIG IP	●	●	●
		Virtual hosting	●	●	●
		Oracle Web Cache			●
Heterogeneous platform support	Ensures portability of your application and access to existing systems	Certified on most major hardware and operating systems including Unix, Linux, and Windows	●	●	●
High performance and scalability for data intensive applications	Scale-out with failover	Oracle Coherence Enterprise Edition: in-memory data grid pools and shares memory across environment for fast access to data; includes full failover support for mission critical applications			●
Predictable JVM	Guaranteed response times	Oracle WebLogic Real Time: a predictable performance version of Oracle JRockit JVM ensuring garbage collection pause time thresholds are never exceeded			●
Compatibility with existing Oracle products	No disruption to current operations	Oracle Application Server: for customers running existing environments on this application server, complete access and use rights to this software			●
Real Operations Insight	Superior Diagnostics	Tools for diagnosing problems in development and production		●	●
Real Operations Automation	Efficient Management	Tools for automating management of applications and servers		●	●
Investment protection	Ensures effortless upgrade to WebLogic Server	Oracle Forms Oracle Reports Oracle Portal Oracle Discoverer			●
Licensable Options from Oracle Fusion Middleware	Leverage Oracle's complete middleware offerings for agile business applications	SOA Suite BPM Suite Oracle Service Bus BPEL Process Manager			●

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System Requirements	
Operating systems (32-bit and 64-bit supported)	• AIX • HP-UX • Linux • Solaris • Windows
Databases	• Oracle (and Oracle Real Application Clusters) • IBM DB2 • Microsoft SQL Server • MySQL • Sybase
Java	• Java Platform, Standard Edition 6 (clients only) • Java Platform, Enterprise Edition 5
Internet Protocol	• v4, v6

Contact Us

For more information about Oracle WebLogic Suite, Oracle WebLogic Server Enterprise Edition and Oracle WebLogic Server Standard Edition, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

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