

ORACLE WEBLOGIC SUITE 11g

KEY FEATURES AND BENEFITS

FEATURES

- Industry-leading, fast and reliable Java EE application server
- Oracle Enterprise Grid Messaging
- Oracle GridLink for Real Application Clusters (RAC)
- Oracle WebCache
- JRockit JVM with real-time capability
- In-memory data grid with Oracle Fusion Middleware ActiveCache
- Oracle Fusion Middleware Real Operations Insight
- Oracle JDeveloper and Oracle Enterprise Pack for Eclipse tooling

BENEFITS

- Access to the latest application development and runtime standards with extreme performance, scale, and efficiency
- Built-in messaging backbone with high availability enables comprehensive system-level communication
- Deploy applications with active-active high availability and load balancing
- Efficient delivery of HTML and XML in support of Rich Enterprise Applications reduces network traffic
- Fast, predictable performance for consistent, smooth application execution
- Rapid access to application data at scale with high reliability
- Powerful systems monitoring and diagnostics down to the JVM for fast error detection and resolution
- Flexible tooling options enable fast, high-quality service and application development

Oracle WebLogic Suite is the cornerstone Oracle Fusion Middleware offering that forms the basis of application grid computing. It provides the best Java foundation for Oracle infrastructure and applications, enabling enterprises to outperform their competitors while minimizing operational costs. Whether the business needs scale-out IT systems to meet increasing customer demand or just greater efficiency, the components of Oracle WebLogic Suite are engineered to adapt to ever-changing business conditions.

Situation

Change is inevitable and affects all aspects of the business. Growth in one area might coincide with contraction in another. Change could mean serving more customers online, expanding to reach more partners, meeting new internal requirements or doing all three! The business gets more unpredictable each day in what it requires from its information systems. Java applications and services need to scale out and scale back as demand warrants. These applications and services must also be easy to maintain. In addition, not only must applications and services be available, but they must also be fast and perform predictably as load changes. Oracle WebLogic Suite uniquely adds several compelling capabilities to the industry's best application server to meet the needs of modern enterprises.

Start with the best application server

Oracle WebLogic Server Enterprise Edition offers enterprises the ability to consolidate their applications on a pool of shared servers for both high efficiency and superior performance. No other application server has the proven performance on industry benchmarks across the most varied chip types and operating systems. Sophisticated High Availability (HA) features built on clustered instances ensure uptime. Easy-to-use yet substantial management tools keep systems going without hassle or expense. By coalescing applications and services onto Oracle WebLogic Server, IT is in position to react swiftly to change and help the enterprise outperform the competition.

Add runtime predictability

The Java runtime environment for Oracle WebLogic Suite is Oracle JRockit, the world's fastest Java Virtual Machine (JVM). Oracle JRockit is tuned and optimized for modern multi-core chips for maximum efficiency. Although the Java language and runtime environment have many benefits, they can suffer from unpredictable

execution and pause times due to Java's automated memory management facility. With Oracle WebLogic Real Time (included in Oracle WebLogic Suite), these pause times become predictable and consistent, ensuring smooth code execution. Oracle WebLogic Real Time is a version of Oracle JRockit Real Time licensed exclusively for use with Oracle WebLogic Server Enterprise Edition. Oracle JRockit Real Time, included as part of Oracle WebLogic Application Grid, achieves even more dramatic reductions in pause times for non-Java Platform, Enterprise Edition (Java EE) applications.

Enable linear scalability

In some cases, applications are constrained by the physical memory of the system they are hosted on. Oracle Coherence Enterprise Edition delivers an in-memory data grid that pools and shares memory across multiple systems. It creates a single, large virtual memory space enabling applications to scale linearly while retaining performance and reliability. Caching data in memory improves application performance by bringing the data closer to where it is needed. Clustering and HA at the data grid level prevents data loss while unlocking applications to scale-out as needed. In addition to caching data, Oracle Coherence Enterprise Edition can also cache HTTP session state enabling users to traverse sites while retaining previous actions.

Manage it all

It is not enough to provide scale-out infrastructure if it cannot be managed efficiently. Oracle Enterprise Manager enables centralized monitoring and management of services and applications. Deep runtime analysis of production applications helps ensure issues are discovered and resolved quickly without effecting performance. Manage multiple Oracle WebLogic Server domains, Oracle JRockit JVMs and Oracle Coherence nodes from a single management console. Automate and simplify configurations, set policies and receive useful statistics of running applications, components and servers.

RELATED PRODUCTS

Oracle WebLogic Suite provides the essential foundation for application grid; a flexible IT approach that leverages pooling, sharing, and dynamic adjustment of resources at the application infrastructure level, resulting in efficiency gains and superior performance and scalability. 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 Suite with the following:
- Oracle Coherence Suite
 - Oracle SOA Suite
 - Oracle BPM Suite
 - Oracle WebCenter Suite

Supported Platforms

For specific suite component product requirements, refer to the following documentation hub: oracle.com/technology/documentation/index.html

Supported Platforms	
Software	
Operating systems	<ul style="list-style-type: none"> • AIX • HP-UX • Linux • Solaris • Windows
Databases	<ul style="list-style-type: none"> • Oracle (and Oracle Real Application Clusters) • IBM DB2 • Microsoft SQL Server • MySQL • Sybase
Web Servers	<ul style="list-style-type: none"> • Apache • Microsoft IIS • Oracle HTTP Server • Sun Java System Web Server

Contact Us

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



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