JBOSS ENTERPRISE APPLICATION PLATFORM

WHAT IS IT?

JBoss Enterprise Application Platform is the industry leading platform for Java applications. Integrated, simplified and delivered by the leader in enterprise open source software.

WHAT DOES IT DO?

By integrating market leading technologies into a single, simple solution, JBoss Enterprise Application Platform makes it easy to develop, deploy, and manage enterprise Java applications. It includes leading open source technologies for building, deploying and hosting enterprise Java applications and services in a Service Oriented Architecture. JBoss Enterprise Application Platform makes enterprise Java simple, open, and affordable.

WHY SHOULD I CARE?

JBoss Enterprise Application Platform balances innovation with enterprise stability. By integrating the most popular application server with next generation application frameworks into simple, open and affordable subscription, JBoss Enterprise Application Platform improves developer productivity, removes the complexities from Java development, simplifies the development of next generation mission critical applications and helps you extend your company's middleware budget to improve your total cost of ownership.

OVERVIEW

JBoss Enterprise Application Platform makes it simple, open and affordable to build and host services in a Service Oriented Architecture. Whether you're migrating to a more flexible, standards based environment or building next generation applications, JBoss Enterprise Application Platform provides you with integrated, industry leading technologies for application presentation, services hosting, and data persistence in single middleware solution at a fraction of the cost of traditional Java offerings.

Built on open standards, JBoss Enterprise Application Platform integrates industry leading Java EE and Web 2.0 technologies to provide a complete solution for next generation enterprise Java applications. The Application Platform includes JBoss Application Server, the market leading Java application server for deploying, hosting and clustering enterprise Java applications and web services and integrates: JBoss Hibernate, the industry leading technology for object / relational mapping and persistence and JBoss Seam, the popular application framework for building next-generation Web 2.0 applications.

Available through flexible and affordable subscriptions, JBoss Enterprise Application Platform includes everything you need to run standards-based web and rich enterprise Java applications, integrated and delivered from the leaders in open source.

BENEFITS

Innovation with stability: Leverage market leading technologies for building and hosting next generation Java applications and web services. Benefit from the latest open source innovations that have been integrated, tested & certified for enterprise class stability and are fully supported from the leaders in open source Java.

Improve developer productivity: Utilize integrated Web 2.0 technologies that work with the leading application server from the start. Remove configuration complexities and simplify Java development with a single, flexible application platform that combines the power of open source collaboration with enterprise class stability.

Enterprise class performance: Take advantage of integrated clustering and high availability features for superior application performance. Utilize a proven foundation for mission-critical applications with fail-over, load balancing, and distributed deployment features used to deploy large, scalable enterprise applications.

Extend your budget: Improve application investment returns and savings by leveraging an affordable middleware solution that includes everything needed for enterprise Java applications. Improve your company's middleware total cost of ownership by reinvesting savings to improve collaboration and innovation in other technology areas.

Utilize open standards: Avoid vendor lock-in by deploying Java standards that are implemented in the open, giving you the the transparency to see exactly what's occurring in the platform that you're developing on.

COMPONENTS AND FEATURES

JBoss Enterprise Application Platform is an integrated Java Enterprise Edition (EE) application and services hosting platform that extends the Java standard and forms the foundation of Java EE 5. The Application Platform is certified to run on multiple virtual machines and operating systems including Red Hat Enterprise Linux, other Linux distributions, Unix, and Windows and is compatible with industry leading databases. JBoss Enterprise Application Platform is integrated and performance tuned from the start for business critical production environments. By integrating Java EE and Web 2.0 technologies like Hibernate and Seam into the JBoss Application Server, JBoss Enterprise Application Platform is a complete solution for next generation enterprise Java applications.

JBoss Application Server: the most widely used Java application server on the market. A certified Java platform for developing and deploying enterprise applications, JBoss Application Server supports both traditional APIs and Java EE APIs and includes improved performance and scalability through buddy replication and fine grained replication. JBoss Application Server provides a complete Java platform by integrating Apache Tomcat as its web container along with capabilities for data caching, clustering, messaging, transactions, and an integrated web services stack that simplifies development of web services. In addition to providing the full range of J2EE 1.4 services, JBoss Application Server includes extended support for Java EE 5 features such as: EJB 3.0, Java Persistence API 1.0, Servlet 2.5, JSP 2.1, JSP/EL 1.0, JSTL 1.2, JSF 1.2, Javamail 1.4, JAF 1.1, SAAJ 1.3, JTA 1.1.

Hibernate: the leading technology for object/relational mapping and persistence (ORM). Hibernate directly addresses ORM complexities by providing the ability to map an object model's data representation to a relational data model and corresponding database schema. Hibernate not only provides mapping from Java classes to database tables and from Java data types to SQL data types, but also provides data query and retrieval facilities that significantly reduce development time. Hibernate relieves enterprise application developers from common data persistence programming tasks by eliminating the need for manual, hand-crafted data processing using SQL and JDBC.

Seam: Seam is a powerful application framework that simplifies building next generation Web 2.0 applications. Seam supports a streamlined programming model for EJB3, JSF (Java Server Faces), jBPM and helps overcome common issues & complaints from developers with traditional JEE. Seam helps unify and integrate technologies such as Asynchronous JavaScript and XML (AJAX), Java Server Faces (JSF), Enterprise Java Beans (EJB3), Java Portlets and Business Process Management (BPM).

For more information on included components and compatible configurations, visit: http://www.redhat.com/jboss/platforms/application/

SUPPORT SERVICES
For JBoss Enterprise Application Platform, subscriptions are offered with two support levels (Service Level Agreements):

» **Standard support:** offers a year of phone/web/email support from Monday to Friday 9:00 a.m. to 9:00 p.m. in North America and 9:00 a.m. - 5:00 p.m. in the rest of the world. Response time is 1 hour for critical outages and 4 hours for other issues.

» **Premium support:** Enhances Standard support with 24x7 coverage.

JBoss Enterprise Middleware support is delivered by Java experts and all subscriptions provide unlimited incident coverage.

Platform and Standards Support

Minimum system requirements

» JDK 1.4 or higher
» JDK 5 or higher (recommended and required when using EJB 3.0)
» 512 MB RAM
» 100 MB hard disk space
» 400 MHz CPU

Supported operating systems

JBoss Enterprise Application Platform is 100% pure Java, it is interoperable with most operating systems that are capable of running a Java Virtual Machine (JVM); including Red Hat Enterprise Linux, Windows, UNIX, and other Linux distributions.

Supported Databases

JBoss Enterprise Application Platform is interoperable with any JDBC compliant database; including IBM DB2, Microsoft SQL Server, MySQL, Oracle, PostgreSQL, Sybase

Supported standards

JBoss Enterprise Application Platform provides the full range of J2EE 1.4 services and supports the following Java EE 5 standards:

» EJB 3.0	» JSF 1.2
» EJB3 Persistence 1.0	» Javamail 1.4
» Servlet 2.5	» JAF 1.1
» JSP 2.1	» SAAJ 1.3
» JSP/EL 1.0	» JTA 1.1
» JSTL 1.2	

SUBSCRIPTION BENEFITS

Subscriptions to JBoss Enterprise Middleware are easy to purchase and use. Sold in both 4 CPU and 32 CPU units, all JBoss Enterprise Middleware production subscriptions include:

» **Product access**: Source and binary code; documentation

» **Updates:** Regular updates that provide general enhancements, new features, etc.

» **Revisions:** Access to the latest bug fixes and security errata

» **Upgrades:** Rights to new versions of JBoss Enterprise Middleware released during the subscription lifetime

» **Flexibility**: Subscriptions are not version-specific, so access to and support for previous version is included

» **JBoss Customer Support Portal:** Connect directly to JBoss support staff, open and track support cases in real-time, customize patch or upgrade alerts, and download certified patches and updates

» **Support:** Multiple support services providing unlimited incidents and coverage up to 24x7 with 1 hour response

» **Long term stability:** Multi-year support and update policies for all JBoss Enterprise Middleware

» **Legal assurance:** The Red Hat Open Source Assurance program safeguards customers who are developing and deploying open source solutions from legal harm

Subscriptions of 32 CPUs or greater include additional value-add features, including JBoss Operations Network and Red Hat Developer Subscriptions. For subscriptions totaling less than 32 CPUs, both JBoss Operations Network and Red Hat Developer Subscriptions may be purchased separately.

OTHER SERVICES

Red Hat also offers a range of other support services for JBoss Enterprise Middleware:

» **Red Hat Global Learning Services:** Offers a full curriculum of courses on JBoss Enterprise Middleware and other Red Hat products.

» **Red Hat Global Professional Services:** Offers consulting services of all sizes, from small deployments to complete design/deployment/ integration/migration/management services.

» **Red Hat Global Support Services:** In addition to delivering the Standard, and Premium support for JBoss Enterprise Middleware, Red Hat also offers additional support services with enhanced service options.

For more information on the full range of Red Hat and JBoss Enterprise Middleware subscriptions and services, visit www.redhat.com.

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