



JBoss ENTERPRISE MIDDLEWARE SUITE (JEMS)

In today's competitive market, businesses must exceed the demands of customers, suppliers, and partners. Not just meet them. This while reducing costs, streamlining operational efficiencies, and increasing your return on investment (ROI). JBoss Enterprise Middleware Suite (JEMS) can transform your data center infrastructure, create new revenue streams, and deploy powerful, flexible, modular applications with ease.

WHAT IS IT?

JEMS is the market-leading open source platform for Service-Oriented Architecture (SOA). Providing an extensible and scalable suite of products for creating and deploying new revenue-generating applications.

JEMS is different from the typical monolithic platform suite because it is designed with flexibility and choice in mind. JEMS has an SOA foundation with clear interfaces for plug-and-play products and components. This ensures that companies interested in consolidating their IT investments can do so in a way that protects their current enterprise platform investments. Cut your total cost of ownership (TCO) and get a competitive advantage by standardizing on JEMS.

WHAT DOES IT DO?

JEMS offers a comprehensive platform for SOA, providing exceptional scalability and flexibility.

Enterprises looking to implement and realize the benefits of SOA have been forced to choose between expensive proprietary platforms and an assortment of cobbled-together open and mixed-source components. JEMS delivers the only cohesive suite of market-leading open source middleware products. These products can be used alone, mixed and matched, or implemented as a whole to build and deploy applications, business processes, and web services.

WHY SHOULD I CARE?

Because plug-and-play foundation protects investments. JEMS products have been designed for extensibility and interchangeability of their functional components. The plug-and-play SOA microkernel protects your technological freedom of choice and provides greater return on IT investments. This modular foundation reduces the risk of infrastructure obsolescence through sustained innovation and standards compliance.

Because JEMS offers customers more choice. With a rich portfolio of software products designed to work together, stand alone, or complement existing middleware solutions, JEMS enables you to make your own product choices as you evolve your data center.

THE JEMS COMPONENTS

JEMS IS COMPRISED OF THE FOLLOWING ELEMENTS:

- » **JBoss Application Server.** The #1 most-used J2EE application server. Provides all of the features expected in a J2EE 1.4 certified platform. JBoss AS is founded on an SOA microkernel that provides all J2EE 1.4 services--including EJB, JSP/Servlets, and web services. Plus extended enterprise services for clustering, caching, and persistence in a plug-and-play fashion. Moreover, JBoss AS provides a choice of development models: the standard J2EE 1.4 approach or the simplified Enterprise Java Bean 3.0 model. The new EJB 3.0 programming model allows enterprise services and behavior to be applied to standard Java objects using simple Java annotations--eliminating reams of boilerplate code and tedious XML descriptors.
- » **Hibernate.** The #1 most-used object/relational mapping (ORM) solution for Java environments. Hibernate 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 can relieve enterprise application developers from 95% of common data persistence programming tasks by eliminating the need for manual, hand-crafted data processing using SQL and JDBC.
- » **JBoss Portal.** Provides a customizable, standards-based environment for hosting, serving, managing, and publishing websites. Enterprise portals simplify access by providing a single source for corporate information. JBoss Portal provides the power to connect employees, partners, and customers--improving business productivity and reducing costs. And because it is deployed on JBoss AS, access to dynamic information is easy and performance and scalability are assured.

- » **JBoss jBPM.** A powerful workflow and orchestration platform that helps coordinate disparate applications and services. JBoss jBPM combines the easy development of workflow applications with a flexible and scalable process engine. Interoperable applications can be implemented and deployed quickly and easily. With this flexible and robust framework for creating, coordinating, and monitoring business processes, JBoss jBPM makes changing complex business processes easier--significantly enhancing business agility.

"The performance and scalability of JBoss AS and JBoss Cache continue to exceed our previous experiences with BEA WebLogic. In addition, the expert support delivered by the JBoss support staff allows me to outsource my JBoss support and focus my development team on building new revenue-generating applications for the business."

- Carl Schmidt, CTO - bodog.com



- » **Apache Tomcat.** The #1 most-used JSP/Servlet web application container and the reference implementation for the J2EE 1.4 JSP/Servlet specification. Tomcat can be used to power Web applications or integrated with JBoss AS to power more complex and scalable enterprise applications. Tomcat's web server connectors provide seamless integration between popular web servers, such as Apache HTTP server, and enterprise web applications powered by JBoss AS and Tomcat.

- » **JBoss Eclipse IDE** extends Eclipse. The #1 most-used integrated development environment framework. With a series of tools that enable programmers to develop, deploy, test, and debug JEMS-based applications. JBoss Eclipse IDE provides a variety of wizards and features that ease development of J2EE, EJB 3.0, Hibernate, and JBoss jBPM applications. By using the JBoss Eclipse IDE, developers can simplify application development and deliver greater value more rapidly.

- » **JBoss Transactions** is a product for simplifying distributed transaction processing and delivering standards-based interoperability. Transaction processing plays a critical role in building reliable and sophisticated business applications by guaranteeing absolute accuracy of business processes. JBoss Transactions is a 100% Java implementation of a distributed transaction system for Java EE. It is compliant with the major industry standards, providing peace of mind with guarantees for business transaction integrity. With its support for WS-Transactions, JBoss Transactions provides maximum interoperability for your web services applications both now and in the future.

- » **JBoss Rules** provides an open source and standards-based business rules engine that simplifies business policy access, change, and management. JBoss Rules is an efficient rules engine that makes it easy for a business analyst or auditor to view your business rules and verify that the encoded rules implement the desired business policies. JBoss Rules also supports a variety of language and decision table inputs, allowing you to quickly modify your policies to respond to new opportunities.



SUPPORT SERVICES FROM THE SOURCE

Red Hat is the global leader in open source software. All Red Hat offerings are backed by enterprise-class support. JBoss and the large network of JBoss Authorized Service Partners offer a comprehensive set of support offerings for the entire JEMS product suite. These offerings include professional support, consulting, and training.

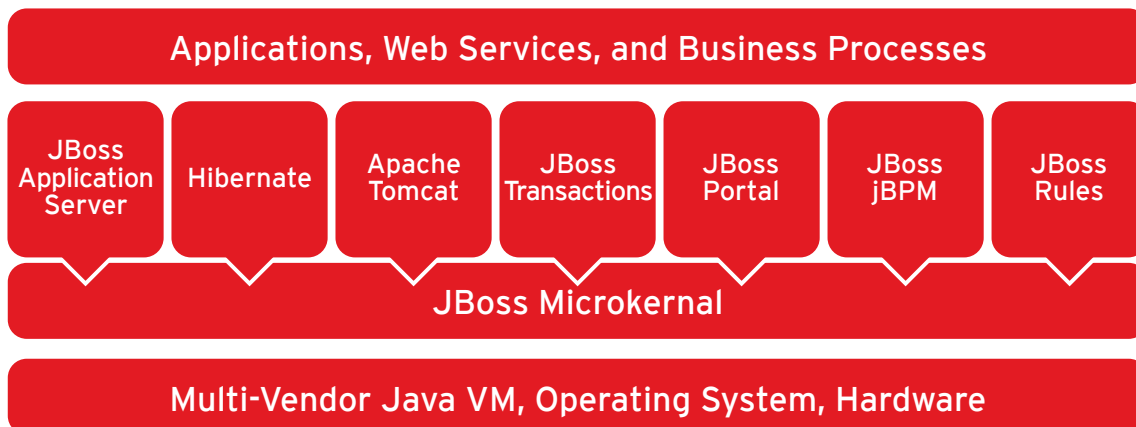
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» **JBoss Subscription** includes bug fixes, problem support, and developer assistance, including configuration and performance optimization. Also included is indemnification, as well as access to the JBoss Operations Network and customer support portal.

- **Training** is available via public courses hosted in major cities around the world or as private sessions hosted on-site.
- **Consulting** includes short-term (3-5 day) engagements delivered by knowledgeable JBoss consultants.



The JEMS plug-and-play SOA microkernel protects your technological freedom of choice and provides greater return on your IT investments, allowing you to standardize on JEMS at your own pace.