

JBoss Enterprise Portal Platform

WHAT IS IT?

JBoss Enterprise Portal Platform delivers web-based composite applications and high-performance web presences. It uses enterprise standards to support a wide range of development approaches that maximize flexibility and choice for enterprise web user interfaces.

WHAT DOES IT DO?

JBoss Enterprise Portal Platform meets the demands of internal and external end users who require access to and interaction between back-end applications, SOA services, and Web 2.0 applications. Based on an open, reliable framework, JBoss Enterprise Portal Platform can meet the development and operational demands of the smallest tactical mashup-style application all the way up to the largest mission-critical web sites.

WHY SHOULD I CARE?

Over the years the marketplace has shifted away from flexible, agnostic portals towards large, monolithic content and collaborative portal stacks. These stacks are costly and complex to implement and manage. While they may be a good solution for large, internal corporate web sites, they're hard to justify for focused web efforts. What today's organization needs is a low-cost, easily implemented solution that can be utilized across a wide range of composite application requirements. This is where an independent middleware solution like JBoss Enterprise Portal Platform fits in.

OVERVIEW

Many IT organizations are seeking a solution with a user interface that unifies multiple projects. As efforts in areas such as service-oriented architecture (SOA), content management, and business intelligence have expanded, it has been difficult to give end users a UI to reap their benefits. JBoss Enterprise Portal Platform facilitates the delivery of web-based composite applications and unifies various IT projects consistently and securely.

Through an agile, reusable framework, customers can minimize the cost and complexity of their web infrastructures by reusing existing assets in a high-performance web application environment. And thanks to the established open standards, the risk of vendor lock-in is mitigated. You're ensured compatibility.

As an integral component of JBoss Enterprise Middleware, the large and vibrant JBoss.org developer community fosters continued innovation and enterprise quality. And JBoss Enterprise Portal Platform is deployed on JBoss Enterprise Application Platform – the industry's #1 J2EE-certified application platform – ensuring performance, scalability, and a reliable and straightforward path to implementation.

KEY BENEFITS

Mash together old and new

A key advantage to adopting a portal strategy is the ability to seamlessly weave old and new IT assets into new composite applications. This opens the possibility of expanding application services outward to new audiences or improving usability for existing application audiences. JBoss Enterprise Portal Platform is designed to handle a wide range of these composite application scenarios, from small departmental mashup applications all the way up to large multi-million-user public websites.

Enterprise-class reliability and scale

JBoss Enterprise Portal Platform shields users from service disruptions by leveraging JBoss Enterprise Application Platform as its proven foundation for applications that require superior performance and scalability. Its high-availability services provide the clustering, caching, failover, load balancing, and distributed deployment features you expect in a best-of-breed platform.

Get more value faster

Past portal technologies were criticized for their inability to deliver business value in a short period of time. JBoss Enterprise Portal Platform offers several ways to enable a quicker return on investment. For example, an installation of Enterprise Portal Platform can be completed in minutes, and with new tooling plug-ins for JBoss Developer Studio, developers can create new portlets more quickly than ever.

Increase IT agility

To meet the demands of lines of business, enterprise IT teams need to stay on top of new techniques and technologies. The latest Java frameworks may address a specific requirement that could not have been met in the past. A merger or acquisition could bring a new skillset and new opportunities. JBoss Enterprise Portal Platform is structured to support a wide range of frameworks. The recent addition of the JBoss Portlet Bridge further facilitates an organization's ability to stay one step ahead and not be tied down by the platform.

Interoperable, flexible, open

JBoss Enterprise Portal Platform supports the new Java Portlet 2.0 specification (JSR-286) as well as other enterprise portal standards. This new specification builds on the original portlet standard with better support for AJAX and content caching as well as a new standards-based eventing mechanism. All of the new features deliver a richer end user experience.

JBoss Enterprise Portal platform goes beyond the standards to deliver a flexible and open framework that supports a wide range of databases, LDAP servers, and operating systems. As a leading open source portal middleware provider, JBoss Enterprise Portal Platform benefits from the innovations of a continuous and community driven development ecosystem.

Portal Platform and Architecture

- Certified JSR - 286 Portlet Container
- Multiple portal instances can run inside one container
- Portal instances can be clustered for failover and high availability
- Portlets can have their own internationalization files
- Portlets can be implemented using JBoss Seam, JSF, RichFaces, Spring MVC, AJAX
- Portlet sessions can be replicated in a clustered environment
- Portlets can communicate with each other in an implicit or explicit mode
- WSRP base profile consumer and producer support
- Pluggable themes, including layout wizards for administrators
- Ability for users to create or destroy portlets and themes at runtime
- Single sign-on support across portal and portlets
- Support for many popular third-party SSO providers
- Pluggable authentication services
- Single binary installer includes JBoss Enterprise Application Platform for quick installation



Portal administration

- User registration and login features
- New user workflow and validation processes
- Full user management and administration interface
- Role- and group-based security model based on JAAS
- User-managed dashboard pages for personal portlet and gadget-driven mashups
- Page layout and theme management
- Custom error pages

Content management

- Based on Java Content Repository (JSR-170) specification
- Upload binary content to any directory on system with configurable limits
- Directory and file management
- Version management
- Support for multi-language documents
- Integrated rich text editor

PLATFORM AND STANDARDS SUPPORT

Minimum system requirements

- JDK 1.5
- 512 MB RAM
- 50 MB hard disk space
- 400 Mhz CPU

Supported operating systems

JBoss Enterprise Portal Platform is 100% pure Java and interoperable with most operating systems capable of running a Java Virtual Machine (JVM), including Linux, Windows, and UNIX.

Supported databases

JBoss Enterprise Portal Platform is interoperable with any JDBC-compliant database and is certified on MySQL, Postgres, Oracle, and MS SQL Server.

Supported authentication and single sign-on

JBoss Enterprise Portal Platform is LDAP 3.0 compliant and supports Red Hat IPA, Sun, and MS Active Directory.

JBoss Enterprise Portal Platform supports multiple single sign-on solutions including CAS, OpenSSO and JOSSO.

Supported standards

- Portlet Specification and API (JSR 286)
- Web Services for Remote Portlets 1.0 (WSRP)
- Portlet Bridge (JSR-301)
- Content Repository for Java Technology API (JSR-170)
- Java Server Faces 1.2 (JSR-252)
- Java Management Extension (JMX) 1.2

SUBSCRIPTION BENEFITS

Subscriptions to JBoss Enterprise Middleware are not just an outstanding value. They are also easy to purchase and consume. 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 one-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 come with additional value-add features, including JBoss Operations Network and Developer Professional Subscriptions. For subscriptions totaling fewer than 32 CPUs, both JBoss Operations Network and Developer Subscriptions may be purchased separately.

For more information on the full range of JBoss Enterprise Middleware and Red Hat Developer Subscriptions, please visit redhat.com/JBoss or contact your Red Hat sales representative.

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