



# JBoss ENTERPRISE PORTAL PLATFORM

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## WHAT IS IT?

JBoss Enterprise Portal Platform provides an open source and standards-based environment for hosting and serving applications and information in a portal web interface, publishing and managing content, and personalizing users' experiences.

## WHAT DOES IT DO?

JBoss Enterprise Portal Platform simplifies access to applications and information by providing a single source of interaction with corporate and Internet-based information.

## WHY SHOULD I CARE?

With JBoss Enterprise Portal Platform, enterprises have the power to connect employees, partners, and customers with the information they need to succeed. JBoss Enterprise Portal Platform enables greater user productivity and reduces opportunity for errors. And since JBoss Enterprise Portal Platform is an integral component of JBoss Enterprise Middleware, the large and vibrant JBoss.org developer community fosters its continued innovation and enterprise quality.

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## OVERVIEW

Many IT organizations look to achieve a competitive advantage for the enterprise by improving business productivity and reducing costs. Today's top enterprises are realizing this goal by deploying enterprise portals within their IT infrastructure. While many of today's packaged portal frameworks help enterprises launch portals more quickly, only JBoss Enterprise Portal Platform can deliver the benefits of a no-license-fee platform combined with a flexible and scalable underlying platform.

Because it is deployed on JBoss Enterprise Application Platform—the industry's #1 J2EE-certified application platform—access to dynamic information is made easy, and performance and scalability are assured. Whether you require a departmental employee portal or an enterprise-class customer or partner portal, JBoss Enterprise Portal Platform is the ideal choice.

### IMPROVED USER PRODUCTIVITY

JBoss Enterprise Portal Platform provides a central platform for secure information access and online collaboration. By providing centralized and efficient access to business critical applications, interactions between employees, customers, and partners are made more effective. JBoss Enterprise Portal Platform provides a framework for centralizing access to information, fostering collaboration, streamlining business processes, and reducing costs.

### INTEROPERABILITY AND FLEXIBILITY

By embracing the Java Portlet API specification (JSR-168), JBoss Enterprise Portal Platform provides an extensible Portal platform that integrates dynamic web pages and applications within standardized and reusable Portlets. Furthermore, by supporting open Internet standards, such as Web Services for Remote Portlets (WSRP), JBoss Enterprise Portal Platform can also incorporate Web Services and J2EE- based components into the Portal as Portlets. This open architecture enables JBoss Enterprise Portal Platform to satisfy a wide range of portal needs - be they business to employee, business to customer, or business to business portals.

### PRESENTATION LAYER FOR THE OPEN SOURCE PLATFORM FOR SOA

JBoss Enterprise Portal Platform supports Web Services for Remote Portlets (WSRP). WSRP defines how to plug remote web services into the pages of online portals and other user-facing JBoss Enterprise Portal Platform applications. This allows portal or application owners to easily embed a web service from a third party into a section of a portal page: a portlet. The portlet then displays interactive content and services that are dynamically updated from the provider's own servers. WSRP enables greater flexibility and agility at the presentation layer in a modern service-oriented architecture deployment.

### INCREASED RETURN ON INVESTMENT

Portlets enable user interface integration, eliminating the need for users to access multiple web sites and applications to perform their desired task. By supporting industry-standard portlets, JBoss Enterprise Portal Platform reduces the need for print-based, mail-based, fax-based, and "swivel chair" integration by bringing existing and new applications to the user in a more usable form. By providing an integrated user interface across applications, JBoss Enterprise Portal Platform makes it easier for users to leverage existing

## Platform and Standards Support

### Minimum system requirements

- » JDK 1.4 or higher (1.4.2 is recommended)
- » 512 MB RAM
- » 50 MB hard disk space
- » 400 MHz CPU

### Supported operating systems

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

### Supported databases

JBoss Enterprise Portal Platform is interoperable with any JDBC-compliant database including IBM DB2, MySQL, Oracle Database, Microsoft SQL Server, and others.

### Supported standards

- » Portlet Specification and API 1.0 (JSR-168)
- » Web Services for Remote Portlets 1.0 (WSRP)
- » Content Repository for Java Technology API JSR-170)
- » Java Server Faces 1.2 (JSR-252)
- » Java Management Extension (JMX) 1.2
- » Full J2EE 1.4 compliance

IT applications, increasing the ROI on IT assets and reducing the need for new application and integration development.

### **ENTERPRISE-CLASS RELIABILITY AND SCALABILITY**

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, fail-over, load balancing, and distributed deployment features expected in a best-of-breed platform.

### **PORTAL PLATFORM AND ARCHITECTURE**

- » Certified JSR-168 Portlet container
- » Multiple portal instances can run inside one portal container
- » Portal instances can be deployed in a clustered environment
- » Portlets can have their own internationalization resource files
- » Portlets can be implemented using JBoss Seam, Java Server Faces (JSF), and Spring MVC
- » Portlet sessions can be replicated in a clustered environment providing higher availability and reliability
- » Advanced inter-portlet communication enables portlets to create links to other objects such as a page, portal or window
- » WSRP base profile consumer and producer support
- » Pluggable themes including layout wizards for administrators and more robust layout rendering capabilities
- » Advanced personalization enabling administrators and users to create or destroy portlets at runtime. JBoss Portal edition also allows users to change themes/layouts and portlet behavior at runtime
- » Data access and persistence provided by Hibernate
- » Single sign-on support across portal and portlets
- » Pluggable and customizable authentication services

### **PORTAL ADMINISTRATION**

Administrators can administer portal security and functionality through a web-based interface that supports:

- » User registration and login features
- » Creation, editing, and deletion of user profiles and groups
- » Assigning roles to users
- » Assigning users to groups
- » Email validation on new user registration
- » Modification of portal layouts

### **CONTENT MANAGEMENT**

- » Based on Java Content Repository (JSR-170) specification
- » Upload binary content to any directory on the system; with configurable maximum file sizes
- » Directory and file management: Create, move, delete, and copy files and entire directory trees
- » Version management: New files are created with versioning support by default, so administrators can easily revert back to previous versions
- » Custom error pages: Error pages can be edited to suit the needs of your website.
- » Integrated HTML editor: HTML editor supports WYSIWYG mode, preview functionality, and HTML source editing mode
- » Content can reside in the file system or in a DB
- » Support for multi-language documents

### **ENTERPRISE AND COMMUNITY PORTLETS**

The PortletSwap community was launched with a growing library of portlet ISV partners and community portlets for JBoss Enterprise Portal Platform. For more, go to [www.portletswap.com](http://www.portletswap.com).

## **JBoss ENTERPRISE PLATFORM 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.

### **FOR MORE INFORMATION**

JBoss Enterprise Middleware is a key to making service-oriented architecture simple, open and affordable. For more information on JBoss Enterprise Middleware, visit [www.redhat.com/jboss](http://www.redhat.com/jboss) or contact your Red Hat sales representative.

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