JBOSS ENTERPRISE PORTAL PLATFORM

THE PORTAL CHALLENGE

Attempting to deploy the right portal solution today can present many challenges. One approach is to cobble together homegrown technology and other disparate pro-ducts. While this method may or may not require a capital expenditure, it does not provide the long-term functionality most organizations require and may wind up costing more to maintain in the long run.

At the other end of the spectrum, many companies will purchase a full enterprise-level portal suite. These suites can offer the technology and functionality required, yet many organizations tend to experience implementation challenges or find that these portal suites are less flexible, customizable, or as easy to use as first represented.

SOLUTION: JBOSS ENTERPRISE PORTAL PLATFORM

JBoss Enterprise Portal Platform now gives an alternative to these two challenges and gives companies everything they need to host and serve comprehensive portal sites. JBoss Enterprise Portal Platform delivers enterprise-class web presences that are easy-to-create and manage. It uses enterprise standards to support a wide range of development approaches and provides 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 (service-oriented architecture) 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 websites.

WHY SHOULD I CARE?

Over the years, the marketplace has shifted away from flexible, agnostic portals toward large, monolithic content and collaborative portal stacks. These stacks are costly, too bulky, and too complex to implement and manage. And as a result, the original value and benefits of portals tend to get lost in vendors' portfolios and stacks. While these stacks may be a good solution for large, internal corporate websites, they are hard to justify for focused web efforts such as a customer or citizen self-service site.

What today's organization needs is a low-cost, easily implemented solution that can be utilized across a wide range of user interface requirements. This is where an independent middleware solution like JBoss Enterprise Portal Platform fits in.

SOLUTION 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 simple, easy-to-use UI to reap their benefits. JBoss Enterprise Portal Platform facilitates the delivery of web-based user interfaces and unifies these strategic IT projects consistently and securely.

JBoss Enterprise Portal Platform is deployed on JBoss Enterprise Application Platform, thus continuing to build on the strategy and vision of JBoss Open Choice. JBoss Open Choice provides Java application developers with the ability to choose the frameworks, APIs, and run-times that best fit their applications' needs—all without sacrificing operational requirements for stability, reliability, and management. The flexible, service-based architecture behind JBoss Open Choice provides a modular series of enterprise deployment features for clustering, caching, transactions, web services, security, and more, regardless of the selected programming model or deployment style used.

In addition to the base JBoss Enterprise Portal Platform, Red Hat is also offering a new add-on subscription, JBoss Enterprise Portal Platform Site Publisher. This highly functional, embedded web content management feature pack provides a single solution for managing an entire corporate website. Site Publisher extends the traditional portal value propositions of re-use, application integration, and web asset management by giving companies an end-to-end solution that fully leverages underlying JBoss Enterprise Portal Platform functionality and complements their existing portal strategies.

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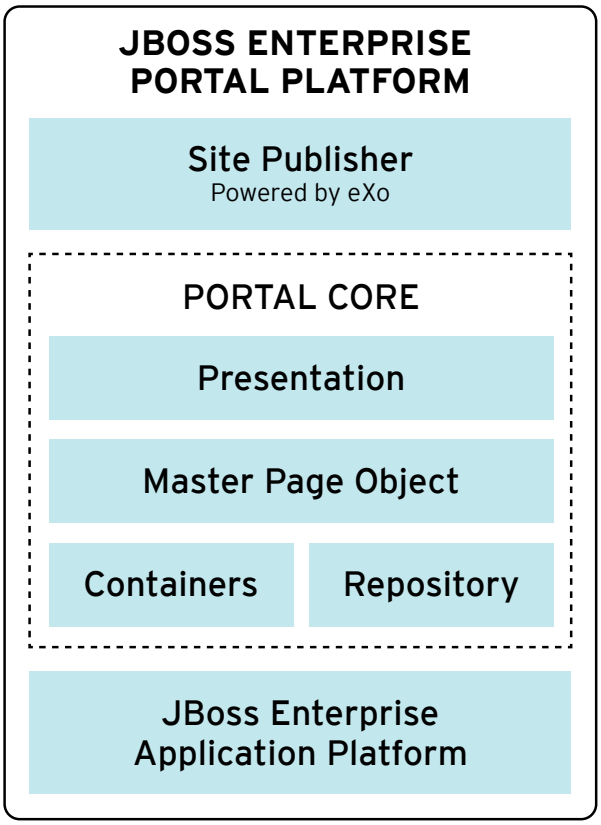

KEY BENEFITS

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 JBoss 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.

Make it easy to build and manage dynamic sites

Companies today need faster, easier, and more efficient ways to build and manage dynamic sites. JBoss Enterprise Portal Platform makes it easy for users to achieve these objectives with powerful functionality, such as easy-to-manage site controls, contextual menus, site maps, and other capabilities. Additionally, for organizations seeking to enable business users to manage their own sites and content, Red Hat offers a new add-on subscription to JBoss Enterprise Portal Platform Site Publisher (powered by eXo). This new embedded web content management solution greatly simplifies the creation, publishing, and ongoing management of your portal.

Deploy a simple, flexible, and scalable solution

When your organization selects JBoss Enterprise Portal Platform, it is delivered as a single binary file with all required software in one single installation. Scalable clustering provided through the fully functional and supported JBoss Enterprise Application Platform easily supports high-transaction volumes and millions of users. JBoss Enterprise Portal Platform also gives you integrated portals, rich applications, and the world's most deployed multi-platform (e.g., Red Hat Enterprise Linux, SUSE, Windows, Solaris) distribution. All of this makes JBoss Enterprise Portal Platform extremely easy to deploy and own.

Increase IT agility

To meet the demands of lines of business, enterprise IT teams need to stay on top of new techniques and tech nologies. 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 skill-set and new opportunities. JBoss Enterprise Portal Platform is structured to support a wide range of frameworks. The JBoss Portlet Bridge further facilitates an organization's ability to stay one step ahead and not be tied down by the platform.

Deliver 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.

BUSINESS BENEFITS

- JBoss Enterprise Portal Platform is a proven, reliable, high-performance web portal solution that delivers the following critical business benefits:
- Deliver services to new markets or channels: JBoss Enterprise Portal Platform helped Heidelberger Druckmaschinen AG successfully create a customer-focused portal that enhanced overall customer relationships and provided internal business units with valuable customer insight.
- Cross business boundaries: JBoss Enterprise Portal Platform helped the Clinical Research Information Exchange (CRIX) create a shared knowledgebase, enable increased opportunities for collaboration, and facilitate economies of scale unprecedented in the pharmaceuticals industry.
- Provide world-class customer and citizen services: Brazil's National Institute for Educational Research and Studies (INEP) migrated to JBoss Enterprise Portal Platform to improve the management of data from studies, research, and evaluations from the Brazilian educational system. As a result, INEP successfully increased scalability, performance, and stability—all while reducing costs and improving overall service.
- Deliver a significant return on investment: Portals are a key driver in reducing the costs associated with highly integrated websites and applications. A framework such as JBoss Enterprise Portal Platform enables developers to reuse branding and navigation and deploy new applications.

PORTAL PLATFORM AND ARCHITECTURE

- Certified JSR – 286 Portlet Container
- Embedded open social container
- Multiple portal instances can run inside one container
- Multiple portal containers and contexts inside one portal installation
- Portal instances can be clustered for failover and high availability
- Portlets can be implemented using JBoss Seam, JSF, RichFaces, Spring MVC, Struts, AJAX, and many other frameworks and development platforms
- Portlet sessions can be replicated in a clustered environment
- Portlets can communicate with each other in an implicit or explicit mode
- WSRP 2.0 base profile consumer and producer support
- Pluggable skins and templates
- 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
- Support for externalized user profiles and entitlements
- Single binary installer includes an embedded JBoss Enterprise Application Platform for quick installation
- Support for Kerberos and Windows desktop single sign-on

PORTAL ADMINISTRATION

- User registration and login features
- Support for site templating
- Support for multiple languages including right-to-left languages
- Integrated with jBPM for user registration, management, and page flows
- Full user management and administration interface
- Role- and group-based security model based on JAAS
- User-managed dashboard pages for gadget-driven mashups
- In-line page layout and theme management
- Page creation wizards
- Portlet and gadget application registry
- Ability to delegate security rights at all portal levels (Portal, Page, Portlet, Gadget)
- Custom error pages

WEB CONTENT MANAGEMENT (VIA SITE PUBLISHER OPTIONAL ADD-ON)

- In context authoring—page previews
- Search
- Broken link detection engine
- Versioning and rollback of content
- Support for internationalized content
- Web-based administration and authoring
- Media library
- Webpage management tools
- List and content presentation templates
- Search engine optimization (SEO)
- Friendly URLs

PLATFORM AND STANDARDS SUPPORT

Minimum system requirements:

- JDK 1.6
- 2 GB RAM
- 500 MB hard disk space
- 1.2 GhZ 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, DB2, Oracle, Sybase, and MS SQL Server.

Supported authentication and single sign-on

JBoss Enterprise Portal Platform is LDAP 3.0 compliant and supports OpenLDAP, Sun, Red Hat IPA, 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 2.0 (WSRP)
- Portlet Bridge (JSR-301)
- Content Repository for Java Technology API (JSR-170)
- Java Sever Faces 1.2 (JSR-252)Java Management Extension (JMX) 1.2

SUBSCRIPTION BENEFITS

Red Hat provides software subscriptions to JBoss Enterprise Middleware products that provides users with ongoing value throughout the entire subscription term. Features and benefits of the JBoss Enterprise Middleware subscription include:

- **Predictability:** subscriptions are offered on an annual basis and include access to new versions at no additional cost; there are no large upfront license fees or hidden costs.
- **Integrated & certified enterprise platforms**: access to enterprise open source middleware platforms, in source and binary form, along with enterprise product documentation specific to each product release.
- **Upgrades and updates:** regular product updates that provide enhancements, new features, new platform certifications, and access to the latest defect and security fixes.
- **Security Response:** subscriptions come with Red Hat's industry recognized security response process to help customers proactively address potential security issues in their environment.
- **Long-term Stability:** each JBoss Enterprise Middleware product has a defined multi-year product life cycle with strict update policies that maintain application stability and compatibility for the long-term.
- **World-class technical support:** unlimited incident support by the experts in open source middleware with coverage up to 24x7 with 1 hour response for critical issues.
- **Red Hat Customer Portal Access:** a single portal for accessing all of the benefits of a Red Hat subscription such as enterprise software delivery, product updates & critical issue notifications, knowledgebase access, and case management.
- **Partner Certifications:** deploy solutions with confidence that your enterprise middleware is fully certified by leading Red Hat ISV partners.
- **Legal Assurance:** the Red Hat Open Source Assurance program safeguards customers who are developing and deploying open source solutions from legal harm.

SUBSCRIPTION SIZING

Subscriptions to JBoss Enterprise Middleware products are provided in a virtualization friendly model, consumed in increments of 16 and/or 64 Processor Core Bands, and backed by a choice of enterprise service levels that support any type of mission critical deployment. Key features of the JBoss consumption model include:

- Processor Cores can be virtual or physical, making them ideally suited for the growing trend toward virtualizing middleware workloads.
- Customers are free to choose the types of processor cores that make sense for their environment; different types of processor cores are treated the same.
- Technical support covers issues across the entire application life-cycle, from development to deployment management, across any supported environment.
- A subscription for any individual JBoss product includes development use for all of the products in the JBoss Enterprise Middleware portfolio.

To learn more about sizing your JBoss Enterprise Middleware environment, read the Red Hat Subscription Guide For JBoss Enterprise Middleware:
http://www.jboss.com/pdf/JBossSubscriptionGuide.pdf

ABOUT RED HAT

Red Hat was founded in 1993 and is headquartered in Raleigh, NC. Today, with more than 60 offices around the world, Red Hat is the largest publicly traded technology company fully committed to open source. That commitment has paid off over time, for us and our customers, proving the value of open source software and establishing a viable business model built around the open source way.

Red Hat provides high-quality, affordable technology to the enterprise. Our solutions are delivered via subscription and range from operating systems and platforms like Red Hat Enterprise Linux and JBoss Enterprise Middleware, to application and management tools, as well as consulting, training, and support.

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