

RED HAT JBOSS PORTAL

DATASHEET

PLATFORM AND STANDARDS SUPPORT

Minimum system requirements

- Java Development Kit (JDK) 1.6
- 1.5GB RAM
- 1GB hard disk space
- 1GHz CPU

Java virtual machines (JVMs) and operating systems

- JBoss Portal is pure Java and supported on JDK 1.6 and 1.7 running on most operating systems including Linux, Windows, and UNIX.

Databases

- Interoperable with any Java Database Connectivity (JDBC)-compliant database
- Certified and supported on MySQL, Postgres, DB2, Oracle, Sybase, and MS SQL Server.

THE PORTAL CHALLENGE

Deploying the right portal solution for your business's self-service applications can be challenging. One approach is to cobble together homegrown technologies and other disparate products. While this method may seem easily customizable and inexpensive, 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 purchase full enterprise-level portal stacks. These stacks may offer the necessary technology and functionality, but are often hard to implement, inflexible, lacking customization options, and difficult to use.

SOLUTION: RED HAT JBOSS PORTAL

Red Hat® JBoss® Portal is a popular alternative to these two approaches. Our lean solution provides everything you need to build, host, and serve comprehensive self-service portal applications. This approach gives you flexibility in building high-impact, targeted, mobile-enabled solutions, powerful and reliable enterprise performance at scale, and the ability to derive maximum value from your existing Red Hat JBoss Middleware and other technology investments. Built on enterprise standards, our solution supports a wide range of development approaches, giving you the options you require when building and deploying self-service applications.

WHAT DOES IT DO?

Red Hat JBoss Portal allows you to meet the developmental and operational demands of both your smallest, tactical mashup-style applications as well as your largest, mission-critical websites. Based on an open, reliable framework, JBoss Portal makes it straightforward for internal and external users to access and interact with back-end applications, service-oriented architecture (SOA) services, and web applications.

WHY SHOULD I CARE?

Over the years, the marketplace has shifted away from flexible, agnostic portals and toward large, monolithic content and collaborative portal stacks. While portal stacks may be a decent solution for internal projects of restricted scope and impact, they lack the flexibility and agility required for high-impact, targeted, self-service customer or citizen web applications. Additionally, these stacks are costly, complex, and difficult to implement and manage. For companies building self-service applications, the shift towards large, monolithic stacks means that the original value of portals has become harder to obtain.

If your organization needs a simple-to-integrate, high-performance, self-service solution that can be easily integrated into existing systems and meet a wide range of user interface requirements, Red Hat JBoss Portal is your solution.



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PLATFORM AND STANDARDS SUPPORT (CONTINUED)

Authentication and single sign-on (SSO)

- LDAP 3.0 compliant. Supports Open DS, OpenLDAP, SunDS, Red Hat IPA, Oracle Directory Server, and Microsoft Active Directory.
- Supports multiple single sign-on solutions, including security assertion markup language (SAML) 2.0, Central Authentication Service (CAS), OpenAM, SPNEGO, 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 Server Faces (JSF) 2.1
Java Management Extension (JMX) 1.2

Browsers

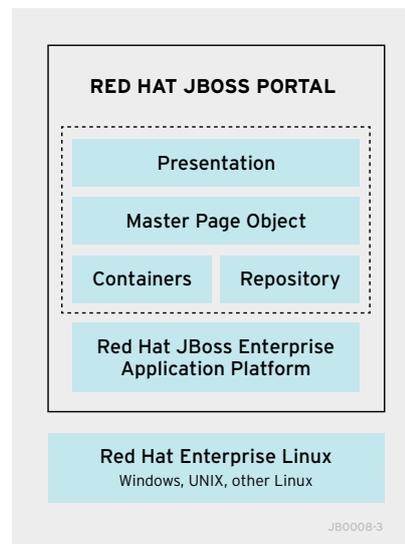
- Web browsers include Firefox, Internet Explorer, Safari, and Chrome.
- Mobile browsers include iOS and Android.

SOLUTION OVERVIEW

Red Hat JBoss Portal is built on market-leading Red Hat JBoss Enterprise Application Platform, the agile, flexible platform for building, deploying, and hosting Java™ applications and services. As a result, JBoss Portal is known for its extremely lean and fast performance, high reliability, and minimal maintenance needs.

Beyond performance, JBoss Portal also benefits from the same flexible, service-oriented architecture as JBoss Enterprise Application Platform, providing you with enterprise deployment features for clustering, caching, transactions, web services, security, and more, regardless of the selected programming model or deployment style. JBoss Portal allows your developers to choose the frameworks, APIs, and runtimes that best fit their applications' needs, without sacrificing operational requirements for stability, reliability, and management.

Additionally, JBoss Portal provides your business with a mobile-enabled, centralized platform that easily unifies and integrates multiple projects. Today, more than ever, your web applications are complex and integrated with other dynamic systems such as SOA, content management, and business intelligence. It is increasingly challenging to find a flexible platform which easily integrates with these systems while giving both front-end and back-end users a simple, easy-to-use user interface (UI). However, JBoss Portal makes it easy to deliver web-based UIs while consistently and securely integrating all your strategic IT projects.



KEY BENEFITS

DELIVER POWERFUL PERFORMANCE AT SCALE

Fueled by Red Hat JBoss Enterprise Application Platform, Red Hat JBoss Portal is a lean, light-weight solution popular for its reliable, highly scalable, and powerful performance. JBoss Portal shields your users from service disruptions and uses scalable clustering to easily support high-transaction volumes and millions of users. This results in minimal maintenance and near-zero downtime. Its highly available services provide the clustering, caching, failover, load balancing, and distributed deployment features you require in your platform.

GET MORE VALUE, FASTER

Past portal technologies were criticized for their inability to deliver business value within a short period of time. JBoss Portal gives you results—faster. An installation of JBoss Portal can be completed in seconds, and quick starts give you an immediate starting point for your new projects. Integration with Red Hat JBoss Developer Studio allows your developers to easily deploy new portlets. And plug-ins for Red Hat JBoss Operations Network let your business immediately maximize value from your entire Red Hat JBoss Middleware portfolio.

DEPLOY A SIMPLE, FLEXIBLE, AND INTEGRATED SOLUTION

Red Hat JBoss Portal is built upon simplicity and making it easy to use the systems you already own. When your organization selects JBoss Portal, it is delivered as a single binary file with all required software in a single installation. Integration is made straightforward with JBoss Portal's open framework and additional features like JBoss Portlet Bridge and single sign-on support. JBoss Portal also gives you integrated portals, rich applications, and the world's most deployed multiplatform (including Red Hat Enterprise Linux, SUSE, Windows, and Solaris) distribution. All of this makes JBoss Portal extremely easy to deploy and own.

INCREASE I.T. AGILITY

To meet growing business demands, your IT team needs to keep up with 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 skill set, resulting in new opportunities. JBoss Portal is structured to support a wide range of frameworks. By not tying you down to a specific platform, JBoss Portal ensures your organization can quickly adapt to change.

BUSINESS BENEFITS

Extend your market reach. Free up your sales and marketing staff to focus on your high-margin, specialty offerings. Use JBoss Portal to promote lower-margin products and expand into new geographies that don't yet justify on-the-ground sales and marketing staff.

Empower your customers. Deliver targeted, localized self-service content, lowering your operational cost while improving your customers' service experience.

Enable your partner networks. Arm your partners with self-branded, highly customizable applications that perform reliably and predictably under diverse and demanding production environments.

Deliver significant return on your investment: Portals are a key driver in reducing the costs associated with highly integrated websites and applications. A framework such as JBoss Portal enables developers to reuse branding and navigation and deploy new applications.

TECHNICAL SPECIFICATIONS

PORTAL PLATFORM AND ARCHITECTURE

- Certified JSR-286 Portlet Container
- Embedded OpenSocial container
- Multiple sites with shared resources can run inside one portal instance.
- Multiple portal containers with independent resources can run inside one portal instance.
- Portal instances can be clustered for failover and high availability.
- Portlets can be implemented using Context and Dependency Injection (CDI), JSF 2.1, RichFaces 4, Spring MVC, Struts, AJAX, and many other frameworks and development platforms.
- Modularized JavaScript: Namespacing and dependency management between JavaScript resources
- 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 (SSO) support across portal and portlets
- Support for many popular third-party SSO providers, including SAML 2.0
- Social media integration: Single sign-on and data exchange with Facebook, Google+, and Twitter accounts
- Pluggable authentication services
- Support for external 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 log-in features
- Public Java and REST API for read/write operations on sites, pages, and navigation nodes
- Re-direct to mobile versions of portals based on mobile device detection
- Responsive design for pages and portlets based on device form factor (technology preview)
- 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
- Compliant with Section 508 of the United States Rehabilitation Act, requiring that electronic and information technology be made accessible to people with disabilities. (Voluntary Product Accessibility Template is available on request.)

SUBSCRIPTION BENEFITS

Software subscriptions for Red Hat JBoss Middleware products give you value throughout the entire subscription term. Features and benefits of a subscription include:

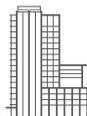
BENEFIT	PROOF POINT
Predictability	Subscriptions are offered on an annual basis and include access to new versions at no additional cost; there are no large upfront license fees or hidden costs.
Integrated and certified enterprise platforms	Access to enterprise open source middleware platforms, in source 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 environments.
Long-term stability	Each Red Hat JBoss 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 and one-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, and 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	Red Hat's Open Source Assurance program safeguards customers who are developing and deploying open source solutions from legal harm.

SUBSCRIPTION SIZING

Subscriptions to Red Hat JBoss Middleware products are provided in a virtualization-friendly model, consumed in increments of 16 and 64 processor core bands, and backed by a choice of enterprise service levels that support any type of deployment. Key features of the Red Hat subscription model include:

- Processor cores can be virtual or physical, making them ideally suited for the growing trend of 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 equally.
- Technical support covers issues across the entire application life cycle, from development to deployment management, across any supported environment.
- A subscription for any individual Red Hat JBoss Middleware product includes development use for all of the products in the Red Hat JBoss Middleware portfolio.

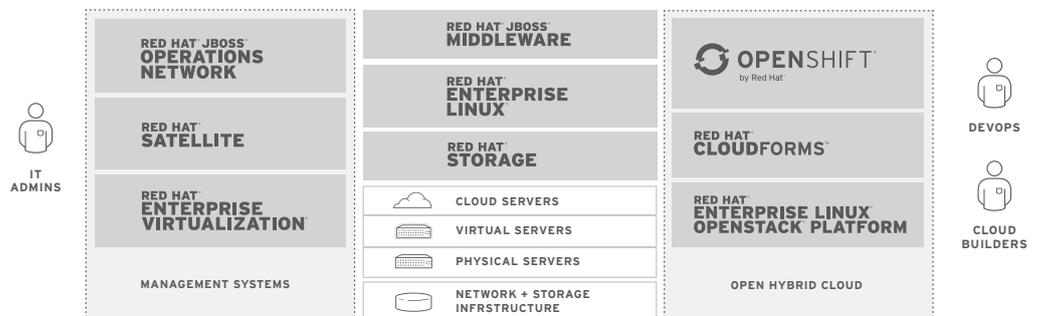
To learn more about sizing your Red Hat JBoss Middleware environment, read the subscription guide for Red Hat JBoss Middleware: <http://www.redhat.com/resourcelibrary/datasheets/jboss-subscriptions-guide>



ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 70 offices spanning the globe, empowering its customers' businesses.

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