

RED HAT JBOSS PORTAL PLATFORM

DATASHEET

PLATFORM AND STANDARDS SUPPORT

Minimum system requirements

- JDK 1.6
- 1.5 GB RAM
- 1.0 GB hard disk space
- 1 GHz CPU

Supported operating systems

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

Supported databases

- Interoperable with any JDBC-compliant database and is certified on MySQL, Postgres, DB2, Oracle, Sybase, and MS SQL Server.

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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, lack customization options, and difficult to use.

SOLUTION: RED HAT JBOSS PORTAL PLATFORM

Red Hat® JBoss® Portal Platform is a popular alternative to these two approaches. Our lean solution provides you everything you need to build, host and serve comprehensive self-service portal applications. This best-of-breed approach gives you flexibility in building high-impact targeted solutions, powerful and reliable enterprise performance at scale, and allows you to derive maximize 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 Platform 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 upon an open, reliable framework, Red Hat JBoss Portal Platform makes it straightforward for internal and external end-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 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 customer or citizen self-service 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 and more elusive 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 Platform is your solution.



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SOLUTION OVERVIEW

Red Hat JBoss Portal Platform 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, Red Hat JBoss Portal Platform is popular for its extremely lean and fast performance, with high reliability and minimal maintenance needs.

Beyond performance, Red Hat JBoss Portal Platform also benefits from the same flexible, service-oriented architecture as Red Hat 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 of deployment style. Red Hat JBoss Portal Platform 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.

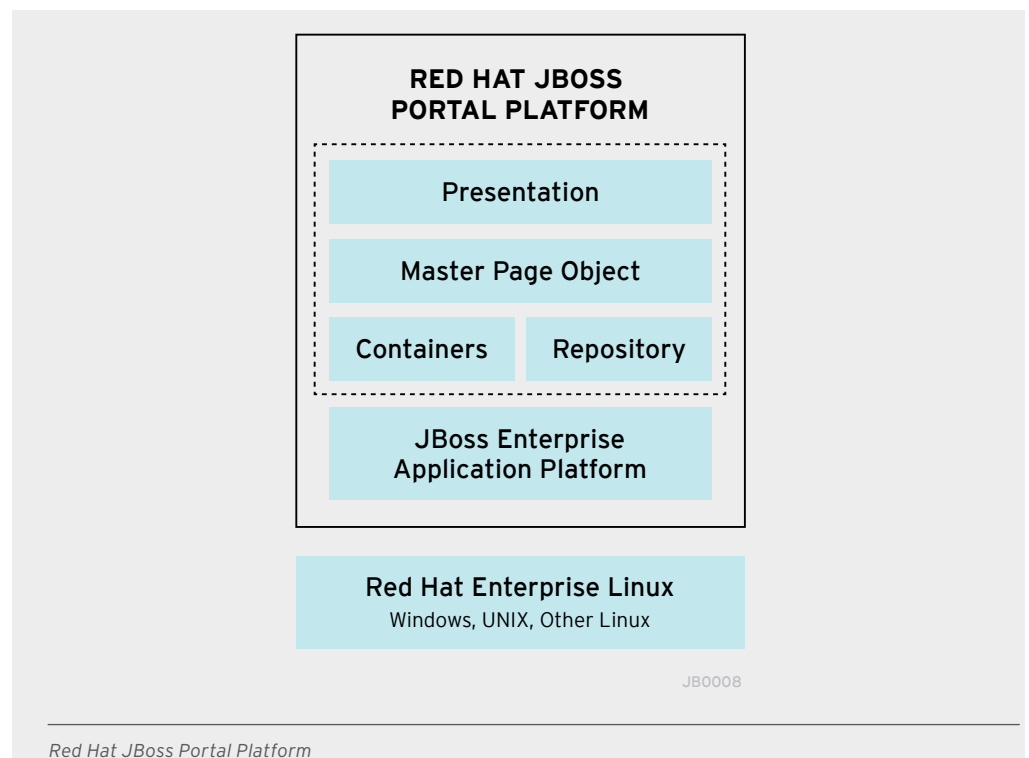
Additionally, Red Hat JBoss Portal Platform provides your business with a centralized platform that easily unifies and integrates multiple projects. Today, more than ever, your web applications are complex and integrated with other dynamic systems such as SOA, content management, business intelligence. 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, Red Hat JBoss Portal Platform makes it easy to deliver web-based UIs while consistently and securely integrating all your strategic IT projects.

Supported authentication and SSO

- LDAP 3.0 compliant.
Supports OpenLDAP, Sun, Red Hat IPA, and MS Active Directory.
- 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 Server Faces 1.2 (JSR-252) Java Management Extension (JMX) 1.2



Red Hat JBoss Portal Platform

KEY BENEFITS

DELIVER POWERFUL PERFORMANCE AT SCALE

Fueled by Red Hat JBoss Enterprise Application Platform, Red Hat JBoss Portal Platform is a lean, lightweight solution popular for its reliable, highly scalable and powerful performance. Red Hat JBoss Portal Platform shields your users from service disruptions and leverages 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. Red Hat JBoss Portal Platform gives you results—faster. An installation of Red Hat JBoss Portal Platform can be completed in seconds. Out-of-the box 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, means that your business can immediately maximize value from your entire JBoss portfolio.

DEPLOY A SIMPLE, FLEXIBLE, AND INTEGRATED SOLUTION

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

INCREASE IT 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. Red Hat JBoss Portal Platform is structured to support a wide range of frameworks. By not tying you down to a specific platform, the Red Hat JBoss Portal Platform ensures your organization can quickly adapt to change.

BUSINESS BENEFITS

Deliver services to new markets and channels: Red Hat JBoss Portal Platform helped Heidelberger Druckmaschinen AG create a customer-focused portal that enhanced overall customer relationships and gave internal business units valuable customer insight.

Cross business boundaries: Clinical Research Information Exchange (CRIX) used Red Hat JBoss Portal Platform to create a shared knowledge base, increase 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 Red Hat JBoss Portal Platform to improve the management of data from studies, research, and evaluations from the Brazilian educational system. As a result, INEP 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 Red Hat JBoss Portal Platform 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 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 2, RichFaces 4, 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 (SSO) support across portal and portlets
- Single-sign support implementation using SAML 2
- Support for many popular third-party SSO providers
- Pluggable authentication services
- Support for externaliz user profiles and entitlements
- Single binary installer includes an embedded Red Hat 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)

RED HAT SUBSCRIPTION

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 environment.
Long-term stability	Each Red Hat JBoss Middleware product has a defined multiyear 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.

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BENEFIT	PROOF POINT
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

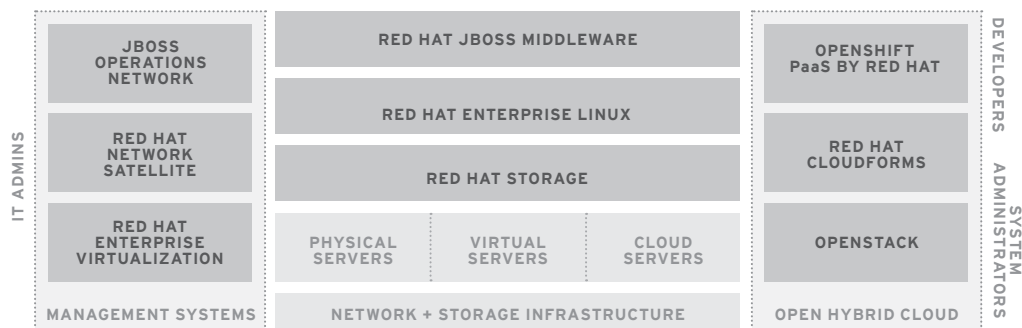
- Subscriptions to Red Hat JBoss Middleware products are provided in a virtualization-friendly model, consumed in increments of 16 and/or 64 processor core bands, and backed by a choice of enterprise service levels that support any type of deployment. Key features of the JBoss subscription model include: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