JBOSS WEB FRAMEWORK KIT

WHAT IS IT?

JBoss® Web Framework Kit combines popular open source application frameworks into a single solution for Java™ applications. JBoss Web Framework Kit will be included with JBoss Enterprise Application Platform and JBoss Enterprise Web Platform. It is also available separately for JBoss Enterprise Web Server.

WHAT DOES IT DO?

JBoss Web Framework Kit includes enterprise-ready versions of the popular open source frameworks that streamline both developer and operational productivity. By removing the complexities and version conflicts involved in managing multiple application frameworks, the Web Framework Kit makes it easier to build and maintain light and rich Java applications that utilize popular open source technologies.

WHY SHOULD I CARE?

JBoss Web Framework Kit provides a simple and easy way to manage the power of open source productivity tools for Java applications, all under a single solution. It provides a certified, safe, and stable way to leverage the benefits of enterprise open source software. Delivered by the experts in open source middleware, JBoss Web Framework Kit provides a straightforward way to build next-generation applications on JBoss Enterprise Middleware.

OVERVIEW

Java application frameworks provide a simple way to address common Java programming tasks. JBoss Web Framework Kit includes commonly used open source technologies for quickly and easy building of light and rich Java applications. By combining leading rich web application frameworks like Google Web Tookit (GWT) and RichFaces

with popular Java frameworks like Spring Framework™ and Apache Struts™, JBoss Web Framework Kit provides a single enterprise-class solution that supports multiple programing styles and open source frameworks.

Along with leading JBoss technologies Hibernate and Seam, JBoss Web Framework Kit will be included in Red Hat Java Enterprise Edition application server solutions, JBoss Enterprise Application Platform and JBoss Enterprise Web Platform to provide a complete, integrated environment that supports any type of Java application. For deployments that use the Apache Tomcat component of JBoss Enterprise Web Server, JBoss Web Framework Kit can be easily added to help round out any lightweight Java application architecture.

JBoss Web Framework Kit takes advantage of Red Hat's expertise as the leader in developing and supporting enterprise-ready open source middleware. By selecting production-ready, enterprise-class versions of these popular technologies and combining them with mission-critical product features for long-term operational stability, JBoss Web Framework Kit allows IT enterprises to safely leverage the benefits of popular open source productivity tools.

JBoss Web Framework Kit provides a simple way to build next-generation applications on JBoss Enterprise Middleware, delivered by the experts in open source middleware.

BENEFITS

Reduced complexity. Simplify your use of popular open source frameworks and avoid integration and version conflicts with a single solution that includes certified and integrated software – everything you need to build and maintain simple web applications.

Enterprise product lifecycle. Stable versions of popular open source technologies backed with long-term, predictable enterprise product lifecycles. Each release benefits from predictable updates that include defect fixes and non-intrusive feature updates that maintain application compatibility for the long term.

Platform integration. JBoss Web Framework Kit will be included with JBoss Enterprise Web Platform and JBoss Enterprise Application Platform subscriptions and can easily be added to JBoss Enterprise Web Server, or other popular JBoss framework solutions. For integrated tooling, JBoss Developer Studio (an Eclipse-based development environment) provides a variety of plug-ins that support Web Framework Kit technologies.

Complete coverage. As a way to simplify the use of multiple application frameworks, JBoss Web Framework Kit is a single solution comprised of multiple technologies that are integrated and thoroughly tested by Red Hat. The JBoss Web Framework Kit supports a variety of popular Java programming styles.

Expert technical assistance. Take advantage of Red Hat's leadership position within the open source software development community. As the industry leader in enterprise open source software, expert technical staff from Red Hat are the most experienced open source support and engineering team on the market.

FEATURES AND COMPONENTS

JBoss Web Framework Kit provides a single subscription to open source application frameworks that support a variety of popular programming styles. Each component is tested, certified, and supported for use with specific JBoss Enterprise Middleware solutions for long term stability and compatibility.

- **GWT:** a powerful high-performance framework for leveraging Ajax and JavaScript to quickly build and maintain complex Java application front-ends. GWT solves common Ajax challenges by focusing on reusable, modular components that dramatically improve rich application development efficiency.

- **RichFaces:** a rich component library for JavaServer Faces and an advanced framework for easily integrating Ajax capabilities into business application development. With over 200 out-of-the-box components, RichFaces makes it easy to build rich applications that provide an enhanced end-user experience.

- **Spring Framework:** a popular Java/Java Enterprise Edition (EE) framework that simplifies application development by providing an abstraction layer of loosely-coupled components for use on both Java EE application servers and servlet containers.

- **Apache Struts:** a popular framework for building dynamic web applications with Java Servlet and JavaServer Pages (JSP) technologies, supporting the Model-View-Controller (MVC) application architecture.

DEPLOYMENT OPTIONS

JBoss Web Framework Kit spans a wide variety of application types and deployment options, all contained within a single solution. Components can be deployed separately or together to support various popular programming models, such as:

- **Rich applications:** Use the included GWT or RichFaces components to streamline building rich Ajax applications on JBoss application platforms. Combine the Web Framework Kit with Seam to further simplify application development and component integration.

- **Lightweight Java applications:** Customize your lightweight platform by building up from JBoss Enterprise Web Server, adding Hibernate or Seam if necessary. For more enhanced enterprise features, start with JBoss Enterprise Application or Web Platform and pare down your footprint to include only those features your application requires.

- **Java EE applications:** Make it easier to add additional enterprise Java services that provide a scalable, robust, and flexible application architecture. JBoss Web Framework Kit will already be included in both of Red Hat Java EE solutions, JBoss Enterprise Application Platform v5 and Web Platform v5.

SUPPORTED PLATFORMS SUPPORT

JBoss Web Framework Kit 1.0

Component versions

- Google Web Toolkit 1.6
- RichFaces 3.3
- Spring Framework 2.5
- Apache Struts 1.3

Supported Application Servers

- JBoss Enterprise Web Server 1.0 (Apache Tomcat 6)
- JBoss Enterprise Web Platform 5.0 (already included)
- JBoss Enterprise Application Platform 5.0 (already included)

Supported Operating Systems

- Red Hat® Enterprise Linux® 5 (x86, x86_64)
- Red Hat Enterprise Linux 4 (x86, x86_64)
- Solaris® 9 (x86)
- Solaris 10 (x86, x86_64)
- Microsoft® Windows® Vista (x86)
- Microsoft Windows 2003 (x86, x86_64)

Supported Browsers

- Firefox 3.0
- Internet Explorer 7 and 8

Supported JDKs

- OpenJDK 1.6
- Sun® JDK 1.6, 1.5
- IBM® JDK 1.6, 1.5

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.

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TRAINING AND ASSISTANCE

Red Hat and its certified partners offer a range of services for JBoss Enterprise Middleware solutions, including:

- **Developer support:** Expert advice spanning architecture, design, configuration, optimization, and tuning recommendations.

- **Technical account manager:** In addition to delivering Standard and Premium support options, Red Hat offers support services with enhanced options targeted at customers who desire the deepest technical relationship with Red Hat.

- **Training and certification:** A full curriculum of courses for JBoss Enterprise Middleware solutions for both developers and operations-focused roles.

- **Consulting:** A wide range of consulting services, from small deployments to complete design, deployment, integration, migration, and management services.

For more information on the full range of JBoss Enterprise Middleware subscriptions, training, and services, please visit jboss.com or contact your Red Hat account manager.

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