

# JBoss ENTERPRISE WEB SERVER

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## WHAT IS IT?

JBoss® Enterprise Web Server combines market-leading open source technologies with enterprise capabilities to provide a single solution for large-scale websites and lightweight Java web applications. It includes certified, production-ready versions of Apache Web Server, Apache Tomcat, and common connectors used in between. It is delivered through an affordable subscription model by the experts in enterprise open source middleware.

## WHAT DOES IT DO?

JBoss Enterprise Web Server removes the complexity from managing open source-based web application environments. By including all of the popular open source technologies for building, deploying, and maintaining web applications and large scale websites, JBoss Enterprise Web Server makes it easy for enterprises to manage, administer, and secure web environments of any size.

## WHY SHOULD I CARE?

JBoss Enterprise Web Server allows enterprises to safely leverage the benefits of open source software across their web environments. With long-term, predictable product support lifecycles and operational features that ensure application infrastructure remains up-to-date and secure, JBoss Enterprise Web Server is the ideal solution for building and managing web applications in mission-critical environments.

## OVERVIEW

JBoss Enterprise Web Server provides an open source solution for both large scale websites and lightweight Java web applications. It is a complete solution for any web application environment through the combination of Apache web server, the world's most popular web server and Apache Tomcat, the market-leading servlet container with all of the popular modules and connectors for security and load balancing.

JBoss Enterprise Web Server leverages Red Hat's expertise in leading and contributing to popular open source projects, then backs them with a multi-year product support lifecycle. By selecting production-ready versions of these components and combining them with enterprise features for operational management and security tracking, JBoss Enterprise Web Server gives IT enterprises a stable and secure web application infrastructure with long-term reliability.

## BENEFITS

### Reduced complexity

Simplify your use of popular open source software and avoid integration and version conflicts. A single subscription includes certified and integrated software with everything you need to build and maintain simple web applications.

### Enterprise product lifecycle

Enjoy stable versions of popular open source software backed with long-term, predictable enterprise product lifecycles. Each release benefits from predictable updates that include defect fixes and non-intrusive features and maintains application compatibility for up to five years.

### Management

Each subscription includes access to the Red Hat enterprise IT operations portal for software management, including update and alert notifications. Easily manage configurations, inventory your applications, and deploy updates across your enterprise within seconds.

### Security updates

Keep your environment secure by taking advantage of the Red Hat dedicated security response team, which tracks security issues, defines criticality, outlines impacted use cases, and delivers critical security updates as they are identified.

## Expert technical support

Take advantage of Red Hat's enterprise expertise with Apache software. With over ten years of experience in leading, shipping, maintaining, and supporting Apache software, Red Hat's expert technical staff is the most experienced enterprise open source support team on the market.

## FEATURES AND COMPONENTS

JBoss Enterprise Web Server is a single solution for web applications, complete with all of the software and common connectors you need for a typical lightweight Java application deployment. It includes stable versions of 100% open source, production-ready technologies that have been certified and tested by Red Hat and are backed by a long-term enterprise product lifecycle.

### Apache Tomcat

Apache Tomcat is the world's most popular open source servlet container. An implementation of the Java Servlet and JavaServer Pages specifications, Apache Tomcat is ideal for simple Java applications. The optional Tomcat Native component can leverage the Apache Portable Runtime to provide improved scalability, performance, and better integration with native server technologies.

### Apache Web Server

Apache Web Server (httpd) is the most popular open source web server on the market, powering over 50% of the servers on the Internet and used on some of the world's most demanding websites. It includes common modules and connectors for authentication, caching, proxying, filtering, and load balancing (mod\_jk).

## DEPLOYMENT OPTIONS

JBoss Enterprise Web Server is a flexible solution for a wide variety of application infrastructure uses. Useful with a single subscription, components can be deployed separately or together to support a variety of web application types:

### Standard enterprise web server

Use the Apache Web Server component and included modules to front a variety of web applications, from simple websites to complex enterprise applications and everything in between.

### Simple Java application server

Take advantage of the popular Apache Tomcat to quickly build, deploy, and manage simple Java applications and services. Add subscriptions for popular open source frameworks like JBoss Hibernate, Seam, and JBoss Web Framework Kit to easily expand your application's capabilities.

### Enterprise open source application infrastructure

Combine the capabilities of JBoss Enterprise Web Server components or add Java EE capabilities with additional JBoss solutions for complete coverage for any Java application workload in your enterprise.

## PLATFORMS AND STANDARDS SUPPORT

JBoss Enterprise Web Server 1.0.x

### Component versions

- Apache Tomcat 5.5
- Apache Tomcat 6.0
- Apache Tomcat Native 1.1
- Apache Web Server 2.2
- mod\_jk 1.2.27

### Minimum system requirements

512 MB RAM  
100 MB hard disk space  
400 MHz CPU

### Supported operating systems

- Red Hat Enterprise Linux® 5 (x86, x86\_64)
- Red Hat Enterprise Linux 4 (x86, x86\_64)



- Sun® Solaris® 9 (x86)
- Sun Solaris 10 (x86, x86\_64)

#### Supported JDKs for Apache Tomcat:

- OpenJDK 1.6.x
- Sun JDK 1.6.x, 1.5.x
- IBM JDK 1.6.x, 1.5.x

#### Supported standards

- Java Servlet 2.5 and JavaServer Pages 2.1
- Java Servlet 2.4 and JavaServer Pages 2.0

### 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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<http://www.jboss.com/pdf/JBossSubscriptionGuide.pdf>.

### 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 focusing on JBoss Enterprise Middleware solutions for both developers and operations 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](http://jboss.com) or contact your Red Hat account manager.

### MANAGEMENT FOR JBOSS ENTERPRISE MIDDLEWARE

The JBoss Operations Network is a single, integrated management platform that delivers centralized systems management and simplifies development, testing, deployment, and monitoring for JBoss Enterprise Middleware. From the JBoss Operation Network console you can:

- Inventory resources from the operating system to applications.
- Control and audit your application configurations to standardize deployments.
- Manage, monitor, and tune your applications for improved visibility, performance, and availability.
- Coordinate the many stages of application lifecycle and expose a cohesive view of your middleware components through complex environments.
- Improve operational efficiency and reliability via thorough visibility into application availability and performance, effectively managing configuration and roll-out of new applications across complex environments with a single, integrated tool.

For detailed product information about JBoss Operations Network visit: [www.jboss.com/products/jbosson](http://www.jboss.com/products/jbosson)

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