RED HAT JBOSS MIDDLEWARE

TECHNOLOGY OVERVIEW

RED HAT JBOSS MIDDLEWARE: FOUNDATION FOR AGILITY AND INNOVATION

Customers around the globe use Red Hat JBoss Middleware to:

- Accelerate development and performance of applications
- Integrate diverse applications, data, and devices
- Automate business processes and decisions

KEY BENEFITS

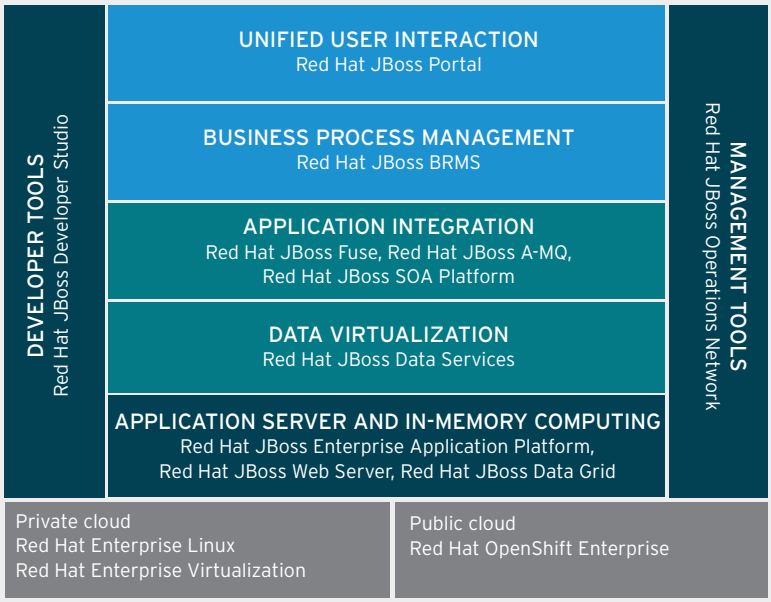
- Reduce infrastructure complexity and risk
- Increase developer productivity
- Improve operational efficiency and business agility
- Rapidly respond to changing business requirements
- Access to industry-leading 24x7 support
- Significantly lower total cost of ownership (TCO)

Today more than ever, enterprise IT must be agile and respond to changing business demands. Applications and services that meet these requirements, and the ways they are consumed, are significantly different than in the past. They must be adaptable and integrate with new and existing applications more efficiently. They must be developed faster, and seamlessly scale across heterogeneous environments that include physical, virtual, mobile, and cloud resources. Unfortunately, the middleware infrastructure used in the past is simply not agile, productive, or cost-effective enough to deliver on these new requirements, which leaves enterprises at risk of losing their competitive edge.

Red Hat® JBoss® Middleware helps organizations evolve their middleware infrastructure by providing the tools needed to rapidly build connected systems that bring people, processes, and information together. These connected, flexible applications create new and efficient ways for users to work towards organizational success, which can lead to increased revenues, decreased costs, higher customer retention, and improved partnerships with suppliers and vendors.

Red Hat JBoss Middleware transforms your costly, hard-to-manage application infrastructure into one that is truly dynamic across multiple environments. That's why thousands of customers around the globe—large and small, in nearly every vertical—trust Red Hat JBoss Middleware.

RED HAT JBOSS MIDDLEWARE PORTFOLIO



ACCELERATE application development, deployment, and performance across physical, virtual, and cloud environments to boost agility.

INTEGRATE disparate data, services, applications, and devices to enable productivity and reduce complexity.

AUTOMATE decisions, processes, and user interactions to streamline business flows and optimize efficiency.

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ACCORDING TO AN IDC STUDY[1], CUSTOMERS ADOPTING RED HAT JBOSS MIDDLEWARE REPORTED THE FOLLOWING BENEFITS:

- Time to develop custom applications reduced by 39%
- Infrastructure costs supporting application development reduced by 65%
- Costs to manage deployed applications reduced 89%
- Productivity gains resulting in 51% more applications per year
- 569% ROI over 3 years and payback in less than 6 months

ACCELERATE APPLICATION DEVELOPMENT, DEPLOYMENT, AND PERFORMANCE

Custom applications and solutions—as opposed to "one size fits all" models—offer a unique way for enterprises to differentiate themselves and deliver value to their customers. Enterprises that can accelerate the development, deployment, and performance of these applications will hold a significant competitive advantage over those with rigid infrastructures.

Red Hat JBoss Enterprise Application Platform (EAP) is the leading open source platform for modern, dynamic Java applications, and the foundation for Red Hat JBoss Middleware. Its flexibility allows deployment to physical, virtual, and cloud environments. JBoss EAP supports a wide range of JVM-based frameworks, including Spring, Struts, and Google Web Toolkit.

Productivity is further enhanced by adding **Red Hat JBoss Developer Studio**, an integrated development environment (IDE) providing everything developers need to develop, test, and deploy rich web applications, enterprise applications, and SOA services.

Combined with **Red Hat JBoss Data Grid**, Red Hat's in-memory data grid solution, enterprises can elastically scale applications by providing fast and reliable access to frequwently-used data. With support for any type of application—including Java, .NET, C#, and Python—JBoss Data Grid provides data caching, data replication, and distributed computing services. It relieves overloaded data sources, simplifying management and improving performance for queries, transactions, and events.

The **Red Hat JBoss Portal** is a framework for the development of collaborative, highly integrated sites and self-service applications that create compelling user experiences. These sites and applications can be personalized and secured to meet IT governance standards.

Monitoring, provisioning, performance tuning, and advanced management capabilities are delivered by **Red Hat JBoss Operations Network**. This enhances the operational efficiency of your entire Red Hat JBoss Middleware environment.

INTEGRATE APPLICATIONS, DATA, AND DEVICES

Enterprises must maximize the value of existing resources while delivering new IT solutions that meet business needs. Integration of applications, data, and devices is key to delivering flexible, efficient IT solutions. A successful integration is driven by the specific needs of the business. Traditional solutions have proved too costly and complex for many enterprises to fully integrate, but service-oriented architecture offers a flexible, modular approach. With **Red Hat JBoss Fuse** and **Red Hat JBoss A-MQ**, you can easily integrate any application, data, or device. Even if your business includes low-tech branches, trucks that travel through areas without wireless service, embedded devices, or partners who have their own technology stacks, JBoss Fuse and JBoss A-MQ can help you extend your integration infrastructure beyond the datacenter to include every facet of your business. **Red Hat JBoss SOA** Platform provides a flexible, standards-based solution to integrate business services and events with complex requirements, such as process orchestration, service registry, and business event-driven architecture (EDA). Together, these products offer the flexibility and innovative power of open source and the stability, robustness, and security of enterprise-level software.

Similarly, **Red Hat JBoss Data Services** provides a common view of data contained in disparate applications and databases. Data virtualization simplifies data access by creating a reusable layer of data services that mediate between data sources and applications, either within a single critical application project or across a division or enterprise. It transforms the data you have into the information you need.

1 *"How Red Hat's JBoss Enterprise Application Platform 6 Is Extending Business Value". Stephen D. Hendrick and Jeff Silverstein, IDC, January 2013..*

AUTOMATE BUSINESS PROCESSES AND DECISIONS

Chaos reigns when decisions are based on manual processes and stale or out-of-context information. Implementing a business rules management system (BRMS) with complex event processing (CEP) capability helps minimize the risk of manual error, lets you react quickly to real-time business, market, and IT changes, and keeps your business competitive.

Red Hat JBoss BRMS is a comprehensive business process automation platform that combines business rules management, business process management (BPM), and complex event processing (CEP) into a single open source solution. These core functions help both business experts and application developers model, automate, measure, and improve critical business processes and policies. With JBoss BRMS, enterprises can respond to fast-changing business requirements in real time, maximize the value of application and data assets, mitigate the risks inherent in manual processes, and significantly increase customer satisfaction.

OPEN CHOICES WITH ENTERPRISE OPEN SOURCE

Never worry about vendor lock-in again. With Red Hat JBoss Middleware, you choose:

- The development frameworks that meet your requirements
- The JBoss server platform that best fits your Java™ workload, from light to highly transactional
- The deployment environments—physical or virtual, private or public cloud—that fit your needs

The Red Hat JBoss Middleware portfolio comprises enterprise-ready software that harnesses the benefits of innovation and the transparency of open source software while mitigating risks. Red Hat JBoss solutions deliver long-term, enterprise-class stability, reference implementations, partner certifications, multi-year maintenance policies, and service-level agreement (SLA)-based developer and production support expected from traditional proprietary software solutions.

Available via subscription, Red Hat JBoss Middleware is compelling for organizations who want to increase productivity, value, and control while still benefiting from enterprise-class support SLAs, guaranteed patches, updates and hot-fixes, and legal assurance.

Compared with proprietary alternatives, Red Hat JBoss Middleware delivers enterprise-class stability and performance at significantly lower costs. And compared with JBoss Community projects, JBoss Middleware reduces business and technical risks, increases IT productivity, and speeds time to deployment.

INDUSTRY-LEADING TECHNICAL SUPPORT

Our job is to make your job easier—whether we're providing issue resolution or just advice. In fact, for several years running, customer satisfaction with Red Hat JBoss Middleware support has been ranked highest[2] among leading middleware providers.

A subscription to Red Hat JBoss Middleware includes both developer and production support. Red Hat is a partner in your success, providing expert advice spanning architecture, design, configuration, optimization, and tuning recommendations for all Red Hat JBoss Middleware products. This ensures that development projects move into production efficiently and effectively.

For additional details on Red Hat JBoss Middleware subscriptions and support, please see the Red Hat subscription guide at:
www.redhat.com/resourcelibrary/datasheets/jboss-subscriptions-guide

FOR MORE INFORMATION

For more information on Red Hat JBoss Middleware, please visit **redhat.com/jboss** or contact your Red Hat sales representative.

2 Velociti Partners: ***http://www.redhat.com/resourcelibrary/whitepapers/customer-satisfaction***

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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@redhatnews
linkedin.com/company/red-hat

NORTH AMERICA
1-888-REDHAT1

EUROPE, MIDDLE EAST AND AFRICA
00800 7334 2835
europe@redhat.com

ASIA PACIFIC
+65 6490 4200
apac@redhat.com

LATIN AMERICA
+54 11 4329 7300
latammktg@redhat.com

redhat.com
#10939957_v1_0513

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