

RED HAT JBOSS ENTERPRISE APPLICATION PLATFORM

DATASHEET

“JBoss EAP 6 has a rare combination of qualities that should drive high levels of customer satisfaction across multiple dimensions, thereby ensuring compelling business value.

HOW RED HAT'S JBOSS ENTERPRISE APPLICATION PLATFORM 6 IS EXTENDING BUSINESS VALUE, IDC, 2013

MORE DEMANDS, MORE APPS, LESS TIME

Globalization and localized business changes have increased requirements for new applications that extend the reach of enterprises into new markets and geographies. This has also increased demand for the rapid development of applications that are highly scalable. Application development and the infrastructure that supports it are facing new challenges, including:

Pressure to reduce time to market—Increasing competitiveness has moved the focus from total cost of ownership (TCO) to time to market. Customers place higher value on time than on cost. However, as always, cost remains a pressure point.

Support for new architectures and deployment patterns—Open hybrid cloud is a new reality that is prompting enterprises to reconsider where and how applications are hosted. This a new challenge for some, who may need to evolve existing application infrastructures to more modern and cloud-friendly platforms.

Changing systems of engagement—The consumerization of IT means that our customer's customers are choosing who to do business with based on who is easy to do business with. There are many ways to make it easier to do business—improving integration between customer channels, supporting many different user interfaces (browser, mobile, telephone, retail), and giving end customers and business partners the ability and tools needed to support themselves.

Changing skills of the application developer—As IT projects become more diverse, what developers do and the skills they need have changed. Developers today are supporting and even administering applications that used to be handed off to others.

This combination of changes requires a productive application development platform that helps the development of new applications using and used in open hybrid cloud environments.

RED HAT JBOSS ENTERPRISE APPLICATION PLATFORM

Red Hat® JBoss® Enterprise Application Platform (JBoss EAP) is the leading open source platform for next-generation Java™ applications. JBoss EAP is ideal for a wide range of Java applications, from HTML5 mobile applications to highly transactional applications that utilize the Java Enterprise Edition (Java EE) programming approach.

Red Hat JBoss EAP is a fully certified Java EE6 container and includes everything needed to build, run, and manage Java-based services. JBoss EAP takes the marketleading, open source Wildfly project (formerly known as the JBoss Application Server project) and adds enterprise features for clustering, caching, messaging, transactions, and a full web services stack. A subscription to JBoss EAP also includes entitlements to Red Hat JBoss Developer Studio and Red Hat JBoss Web Framework Kit, which can improve developer productivity and choice.



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“For our credit decision platform, we need a highly scalable and flexible solution that allows us to develop and deploy applications quickly. We believe that JBoss Enterprise Application Platform 6 is that solution.

ANDREAS KARALUS
HEAD OF IT – ARCHITECTURE,
EASYCREDIT

FEATURES AND BENEFITS

Cloud-ready architecture – Red Hat created JBoss EAP 6 with cloud in mind from the very beginning – in fact, it’s based on the first Java EE server embedded in Platform-as-a-Service (PaaS) architectures (including OpenShift by Red Hat). The JBoss team understands what it takes to deliver enterprise capabilities everywhere. Key elements of this new architecture include:

- Updated modular architecture – Red Hat JBoss EAP 6 is based on a services-driven set of components that greatly simplifies how applications can be deployed in different environments.
- Flexible manageability – Many application servers offer management. Unfortunately that manageability is often more rigid and complex than the application server itself. Today’s enterprises are seeking the ability to programmatically manage their applications and automate these processes as they build or integrate with their own management tools and technologies – including private clouds. For those seeking more traditional management capabilities, JBoss EAP has also introduced updates for managing large and small server farms.
- Highly efficient – Many leading application servers have not been updated to take advantage of multi-core and virtualized environments. JBoss EAP 6 has been optimized to work with both. This leads to an extremely low memory footprint and blazing fast startup times. Additional focus on resource utilization and port management has simplified the effort required to deploy JBoss EAP in virtualized environments.

World-class developer productivity – JBoss has always been about making developers more productive. JBoss EAP 6 introduces a number of new features that raises the bar for developer productivity even higher.

- Support for JavaEE6 and other popular frameworks – JBoss is a major contributor to Java EE, and this latest version of JBoss EAP includes support for Java EE6 – a major step forward in developer productivity. However, JBoss also works with a wide range of JVM-based frameworks including Spring, Struts, and Google Web Toolkit (GWT), in order to support older applications.
- Upgraded JBoss components – In addition to the developer innovations provided by Java EE6, JBoss has introduced a number of new components – or upgraded existing ones – that enhance the developer experience. This includes new versions of Hibernate® and new components such as Arquillian.
- Support for modern development tooling – JBoss enhanced its support for other open source development tools such as Maven and Hudson.

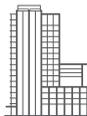
Built-in enterprise features – Take advantage of integrated clustering and high-availability features for outstanding application performance. Red Hat JBoss Enterprise Application Platform is a proven foundation for highly scalable Java applications and services, with built-in features for:

- Failover
- Caching
- Intelligent load balancing
- Distributed deployment

TECHNICAL SPECIFICATIONS

Red Hat JBoss Enterprise Application Platform is a fully certified Java EE6 container supporting all of the standards that make up the specification. Additionally, JBoss EAP supports a wide range of other specifications including the following:

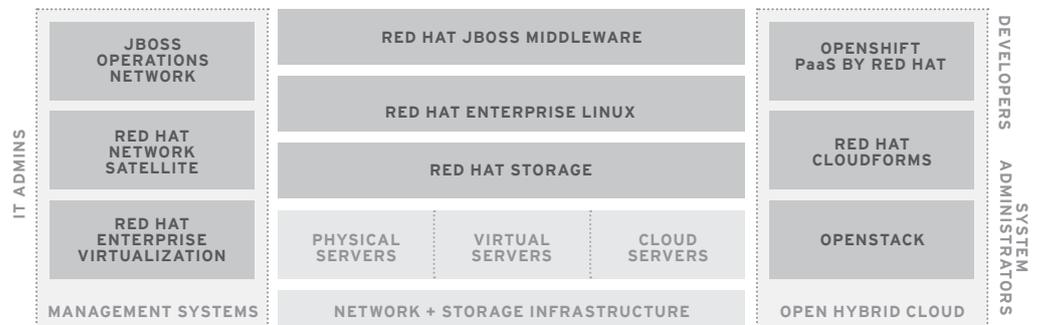
- Web services standards including SOAP and associated WS-* standards
- Security standards such as SAML, WS-Trust, and SPNEGO/Kerberos
- Connectivity standards such as JDBC



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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