

DEPLOY FULL JAVA EE APPLICATIONS IN THE CLOUD

TECHNOLOGY BRIEF



THE BUSINESS CHALLENGE

Many organizations developing business-critical Java™ EE applications are struggling to keep up with the fast-changing business environment. While legacy applications are largely on-premise and in virtual environments, more and more new applications are being deployed into private and public cloud environments. However, no matter where applications are developed, built, deployed, and maintained, what matters most to the business is:

- Delivering business value and innovation.
- Building and getting to market faster than the competition.
- Building and managing efficiently with existing resources and minimal trade-offs.

Choosing the right cloud-ready application platform is crucial to success. Your enterprise organization requires:

- **Proven enterprise technology** from a leading vendor with the reputation and expertise to support your critical business needs.
- **The flexibility to use existing resources**, such as development tools, environments, and skills, for maximum developer productivity and fast go-to-market times.
- **The breadth and depth of full Java EE functionality** without having to compromise with a limited web profile unable to support key enterprise requirements.
- **A single Java EE application platform** designed to support your applications no matter on which environment you choose to build, develop, deploy, or maintain it.

PRODUCT OVERVIEW

Red Hat® JBoss® Enterprise Application Platform (JBoss EAP) for OpenShift Enterprise by Red Hat was built specifically to deploy full Java EE applications into the cloud. JBoss EAP is a market leader in application platforms,¹ providing a 569% ROI within two years of project completion and beating the competition for customer satisfaction.² And JBoss EAP provides a simple and straightforward approach for using your existing development tools, environments, and engineering skills to deploy and manage Java EE applications. JBoss EAP for OpenShift Enterprise includes Red Hat JBoss Developer Studio and further extends the developer and manageability benefits inherent in JBoss Enterprise Application Platform for on-premise cloud environments.

Red Hat understands how application servers operate and function in real-world cloud environments and has applied that to JBoss Enterprise Application Platform for OpenShift Enterprise. With this add-on offering for OpenShift Enterprise, enterprises can now have the benefits and advantages of both the cloud environment and full Java EE applications within their own datacenters.

¹ Gartner, Inc. "Magic Quadrant for On-Premises Application Platforms" by Daniel Sholler, Yefim V. Natis, Massimo Pezzini, Kimihiko Iijima, Jess Thompson, Ross Altman, 27 June 2013.

² Velociti Partners. "JBoss Enterprise Middleware, by Red Hat: Proven Technical Support Services Leader" October 2012.

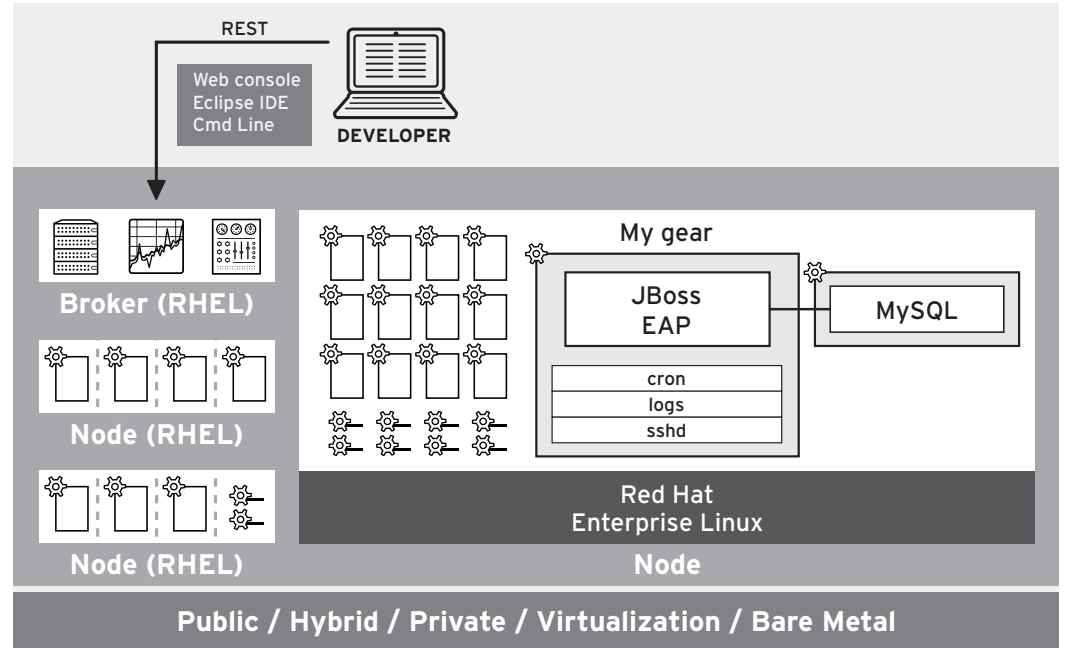
FEATURES AND BENEFITS

The key capability of an application platform, no matter where it is deployed, is to get applications to market as quickly and easily as possible. JBoss Enterprise Application Platform for OpenShift Enterprise provides a complete end-to-end solution that includes tools, a certified Java EE 6 runtime environment back-end, and a proven Platform-as-a-Services (PaaS) infrastructure.

The major features of this offering can simplify and accelerate developer workflow while delivering significantly improved time-to-market.

FEATURE	BENEFIT
Self-service and on-demand application stacks	Prototype quickly and get to market faster without worrying about getting the right environments up and running. The self-service interface of OpenShift Enterprise boosts an application developer's productivity and accelerates innovation in application design and delivery.
Standardization and support for the entire application development life cycle, from developer through production	Development, quality, pre-production, and production teams can use their existing methodologies and processes with OpenShift's support for multiple life-cycle stage environments. Streamline and standardize your developer workflow and create repeatable processes for application delivery.
Application auto scaling	Today's quickly changing business environment requires infrastructure that can also evolve on demand. OpenShift Enterprise enables applications deployed on JBoss Enterprise Application Platform to automatically scale with the demands of its users.
Integrated developer tooling	It should be simple for application developers to deploy code to the target server. With JBoss Developer Studio seamlessly integrated with OpenShift, deploying code is easy and straightforward.
Multi-language and framework support	Enterprises often develop with multiple languages and frameworks and need a platform that makes it easy to build, test, and deploy applications. The only on-premise PaaS that is Java EE 6 certified, JBoss Enterprise Application Platform for OpenShift Enterprise, includes support for a wide range of Java virtual machine (JVM)-based languages and frameworks, including Spring, Google Web Toolkit (GWT), and Ruby.

JBoss EAP is a supported cartridge in OpenShift by Red Hat.

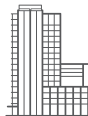


TECHNICAL SPECIFICATIONS

Red Hat offers JBoss Enterprise Application Platform for OpenShift Enterprise as an OpenShift cartridge. When JBoss EAP gears are deployed within the OpenShift Enterprise environment, those gears receive the same benefits as other OpenShift Enterprise cartridges such as autoscaling, security, and more.

JBoss Developer Studio is also included with JBoss Enterprise Application Platform for OpenShift Enterprise. JBoss Developer Studio provides developers with seamless access to gears deployed on OpenShift Enterprise nodes. Additionally, JBoss Developer Studio includes more than 50 quickstarts to help developers get started fast.

Learn more at openshift.redhat.com.



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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