Preserve investments without managing infrastructure

Red Hat JBoss Enterprise Application Platform on Azure App Service

Across verticals and industries, organizations are recognizing the advantages of moving to and operating in the cloud. For those looking to maintain their existing investments in Jakarta EE applications but are uncomfortable maintaining their application infrastructure, hosting applications on a fully certified Jakarta EE platform on the cloud offers a number of benefits.

A joint offering from Red Hat and Microsoft, Red Hat® JBoss® EAP on Azure App Service, is an open source application server built to deliver Jakarta EE applications faster, across environments. This offering provides users with a hosted platform to run Jakarta EE applications and an integrated support model, including colocated resources.

Build once, deploy Jakarta EE applications anywhere

JBoss EAP on Azure App Service helps users deliver applications faster, from anywhere, whether on-premise, virtually, or in a private, public, or hybrid cloud. With enterprise-grade security, performance, and scalability in every environment, this solution offers multiple benefits to organizations that might be considering a datacenter or vendor migration, open source stack adoption, independent software vendor (ISV) reduction, or platform consolidation.

Red Hat JBoss EAP on Azure App Service for Linux® is a Platform-as-a-Service (PaaS) offering that manages the application server, operating system, and the infrastructure and provides capabilities for users to build out applications with speed and efficiency.

Additionally, JBoss EAP on Azure App Service is:

▸ **A managed Linux-based service.** JBoss EAP on Azure App Service includes built-in infrastructure maintenance, security patching, and scaling for Jakarta EE applications.

▸ **Single tenant or multitenant with added security.** JBoss EAP on Azure App Service enables integration with virtual networks and the ability to more securely run in an isolated and dedicated Azure App Service (ASE) environment at high scale.

▸ **Optimized for cloud and containers.** JBoss EAP on Azure App Service simplifies deployment and full Jakarta EE performance for applications in any environment. Whether on-premise or in virtual, private, public, or hybrid cloud, this modular architecture starts services only as they are required.

▸ **Lightweight, featuring a flexible architecture.** The modular architecture and services-driven set of components within JBoss EAP on Azure App Service means that scale-out times are reduced, and there is flexibility for applications deployed in different environments.

▸ **DevOps friendly.** JBoss EAP on Azure App Service includes built-in continuous integration/continuous delivery (CI/CD) integration, and zero-downtime deployments.

> "The extensive community around JBoss EAP and the solutions its members provide are very valuable to us... It's a noticeable difference from our previous application server."

Oihane Agirregoitia
President, BilbaoTIK[1]

1 *Red Hat case study. "BilbaoTIK manages applications efficiently with Red Hat JBoss EAP," 2019.*

- ▸ **Built on open source.** Having a dependable open source enterprise solution provider with global reach gives users access to a supportive and innovative community.

- ▸ **Gives developers framework options to boost productivity.** JBoss EAP on Azure App Service supports Jakarta EE and its web-based frameworks so that developers can meet line of business demands. Some of the standard frameworks supported include Hibernate, Spring, Spring Web Flow, Spring WS, and Spring Security.

Table 1. Features included in Red Hat JBoss EAP on Azure App Service

Included features
Platform support
Networking configuration
Auto-scale
Azure Active Directory (AAD) integration
Monitoring and logging
Managed infrastructure
Operating system (OS) updates
App server updates
Deployment slots

A platform built for business value

For time- and resource-starved organizations, the benefits of a hosted service offering could result in business value. From operating system (OS) and app server updates, to the inclusion of deployment slots, Red Hat JBoss EAP on Azure App Service relieves an organization of extra tasks.

Stay compliant

JBoss EAP on Azure App Service provides rigorous security and compliance, including Service and Organization Control (SOC), FedRAMP, HIPAA, and Payment Card Industry (PCI), for deployments across public cloud, Azure Government, and on-premise environments. Additionally, your organization can adhere to data sovereignty requirements with a specified geographic distribution of data and applications.

Reduce software and operating costs

JBoss EAP on Azure App Service is a lower-cost alternative to proprietary, monolithic systems. Built on open source with a microservices architecture that can be used in a lightweight fashion, it loads only what is needed so you can avoid taxing your system resources.

Let the platform do the heavy lifting

Organizations do not need a networking team, deployment team, or compute team to benefit from JBoss EAP on Azure App Service. If you want to access resources in your internal networks, you can do so with the click of a button. If you need additional instances, you can drag a slider or set auto-scale rules to scale instantly based on resource consumption.

Maintain existing investments

One of the most compelling benefits of this solution is the ability to lift and shift existing workloads to the cloud without having to rewrite applications or make extensive modifications to their runtime environment. Users can preserve existing investments while taking advantage of cloud capabilities.

Improve time to market

Achieve faster delivery with CI/CD, deployment slots, and the integration of numerous development methodologies with security and compliance. Benefit from built-in monitoring and logging capabilities.

Standardize across environments

Organizations can achieve a more seamless workflow when development teams can work in the same environment for development, testing, and production, while operations teams can use the same tools across environments, which could include on-premise, virtual environments, and in private, public, and hybrid clouds.

Rely on integrated support

This solution provided by Red Hat and Microsoft includes integrated support. With both companies supporting their cloud infrastructure and application server, users have the flexibility to initiate support requests either from the Red Hat Customer Portal or from the Azure portal, thanks to colocated resources and support specialists trained in both Azure services and Red Hat products.

Access high availability

The Microsoft Azure service-level agreement (SLA) promises 99.95% uptime, so organizations can have the confidence to run enterprise applications.

Capacity plan on your own terms

Avoid paying for idle time or unused infrastructure. With a pay-as-you-go metered subscription, your billable time is down to the second of use.

Technical specifications

Red Hat JBoss EAP on Azure App Service includes:

▸ Red Hat JBoss Enterprise Application Platform

▸ Azure App Service

▸ Integrated support

Use Red Hat JBoss EAP on other Azure services, including:

▸ Microsoft Azure Red Hat OpenShift

▸ Red Hat JBoss EAP on Red Hat Enterprise Linux on Azure VM/VMSS

Explore Red Hat and Microsoft solutions and see how they can help your organization. Learn more about Azure App Service on Linux.

About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

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