Optimize application development with Red Hat and AWS

Accelerate innovation with Red Hat OpenShift Service on AWS

"Red Hat OpenShift Service on AWS helps our teams create the infrastructure they need, when they need it, to deliver the latest features and updates. We can also monitor and control costs to optimize our resource use but keep our operating expenses lean."

Paulo Barbose
Chief Operating Officer (COO), Banfico[1]

redhat.com

A cloud-native, joint solution from Red Hat and AWS

IT teams must deal with increased complexity in their systems, limited time and resources, and traditional architectures that may need updating. Rising operating costs and the current talent shortage lead organizations to look for ways to scale and automate to develop greater flexibility, increase speed to market, and reduce costs.

Customers of Amazon Web Services (AWS) can take advantage of Red Hat® OpenShift® Service on AWS to help address these challenges. The managed Red Hat OpenShift service is jointly engineered to run natively on AWS, increasing the operational efficiency of building, deploying, and scaling applications.

Engineered by Red Hat and AWS to reduce complexity and increase flexibility

Red Hat and AWS have been working together as trusted partners since 2008. Our integrated solutions help you increase speed, improve security and interoperability, and simplify deployment.

Red Hat OpenShift Service on AWS is an application platform with integrated development and operational productivity features, including:

- An integrated development environment (IDE).
- Runtimes.
- Build pipelines.
- Monitoring.
- Service mesh.

These integrated tools, consistent interfaces, and application programming interfaces (APIs) reduce friction between teams during development, deployment, and operations while accelerating the time to value and time to market. With these integrated services, teams can get started quickly and focus on building applications rather than building and maintaining application platforms and integrating different services.

Red Hat and AWS engineering teams work to jointly engineer OpenShift Service on AWS. Red Hat site reliability engineering (SRE) experts automate operational tasks, such as provisioning, scaling, configuration, and update scheduling—so you can focus on application innovation without worrying about the complex task of infrastructure management.

By adding OpenShift Service on AWS to your stack, you can reap the advantages of global support from Red Hat and AWS experts, an integrated ticketing system, and coordinated issue escalation and resolution.

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1 Red Hat case study. "Banfico delivers open banking with Red Hat OpenShift Service on AWS," June 2022.

Benefits of using OpenShift Service on AWS:[2]

▸ **70%** reduction in development time by year 3

▸ **50%** reduction in infrastructure management effort

▸ **20%** recouped developer time

Features of OpenShift Service on AWS

OpenShift Service on AWS can be accessed directly through the AWS console. Self-service deployment can help you provision clusters in minutes and scale them on demand.

With a consistent Red Hat OpenShift foundation, OpenShift Service on AWS provides a familiar deployment experience across hybrid cloud infrastructure. By unifying on 1 platform across your hybrid cloud, you can get the flexibility required to choose the right solution for your workloads and needs. Red Hat OpenShift Service on AWS integrates with a wide variety of AWS cloud-native services, including:

▸ Compute.

▸ Database.

▸ Analytics.

▸ Machine learning.

▸ Networking.

▸ Mobile.

OpenShift Service on AWS also includes cluster services like monitoring, logging, and networking. A number of developer productivity tools are also available, including Red Hat OpenShift Service Mesh, Red Hat OpenShift Dev Spaces, and Red Hat OpenShift Serverless. This makes it less difficult to build, operate, and scale globally.

Flexible purchasing options help you manage costs with a pay-as-you-go model. Both your Red Hat OpenShift and AWS usage is calculated as part of a single unified bill, which you will receive from AWS. Additionally, your committed spend with AWS extends to OpenShift Service on AWS, so you can start accelerating application innovation with the spend you already have available.

OpenShift Service on AWS's service-level agreement (SLA) is financially backed at 99.95% uptime, and SRE experts from Red Hat and AWS are available 24x7 to provide support as needed.

Get started with OpenShift Service on AWS

Learn more about OpenShift Service on AWS, create your own OpenShift Service on AWS cluster, and get in contact with Red Hat today.

2   Forrester Consulting. Total Economic Impact™ Spotlight study, commissioned by Red Hat. "Red Hat OpenShift Service on AWS enables innovation and agility for modern business," March 2022. Results are for a composite organization representative of interviewed customers.

About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.

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