5 reasons to run applications on Red Hat OpenShift Service on AWS

Modernize your applications with Red Hat OpenShift Service on AWS to unlock new business possibilities.

Application transformation changes the way you develop, deploy, and manage applications to increase agility, security, and stability. In fact, companies plan to modernize 78% of their applications within the next year.[1]

Together, Red Hat and Amazon Web Services (AWS) deliver a jointly operated and supported turnkey application platform that saves you time and effort in your modernization journey. Jointly engineered, operated, and supported by Red Hat and AWS, Red Hat® OpenShift® Service on AWS gives you a complete solution based on production-grade components and open standards. This cloud service combines Red Hat OpenShift, AWS infrastructure, and an expert site reliability engineering (SRE) team to deliver a reliable foundation for innovation.

Here are 5 key reasons to modernize and deploy your applications on OpenShift Service on AWS.

1   Simplify deployment

73.5% of organizations are outsourcing the implementation, maintenance, and optimization of their cloud platforms through cloud services, or plan to within the next year.[2] OpenShift Service on AWS gives you a ready-to-use, native cloud service with everything you need to get started in a short amount of time. Red Hat SRE teams automate deployment and management of your Red Hat OpenShift clusters—including life cycle management, scaling, security patching, and incident response—so your staff can focus on application development and strategic initiatives that deliver business value.

Develop, deploy, and manage applications where it makes the most sense—on site or on AWS. Red Hat OpenShift runs consistently in on-site datacenter, edge, and public, private, and hybrid cloud environments, so you can choose the right location for every project and application, and move them as needs change. This consistency across footprints also simplifies the migration of on-site applications to AWS. Plus, you can access extensive Kubernetes experience, migration planning assistance, managed cluster installation and verification, and streamlined support to further speed deployment.

2   Streamline development

More than half of organizations expect to increase developer productivity as a result of adopting cloud services.[2] OpenShift Service on AWS gives your developers ready access to cloud-native development capabilities so they can code at speed.

Take advantage of a large library of integrated, certified developer tools and services to deliver a great user experience and get up and running faster. Developers can use their preferred development environments, programming languages, runtimes, build tools, data streaming, event-driven services, observability capabilities, and application programming interface (API) management tools across Red Hat OpenShift and AWS. Self-service capabilities let them provision the resources they need in less time and without manual intervention from operations. And automated resource delivery lets developers start working without delay and with less hassle.

Finally, you can improve efficiency and consistency throughout application life cycles with built-in continuous integration/continuous deployment pipelines that contain a broad selection of supported technologies and workflows.

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1   Red Hat e-book. "How enterprises approach legacy application modernization," January 2023.

2   Pulse, sponsored by Red Hat. "Cloud services help remove hybrid cloud complexity," December 2021.

3   Optimize cloud costs

Managing cloud spend continues to be a top challenge for 82% of organizations.[3] OpenShift Service on AWS helps you achieve the right balance of flexibility and cost for your organization.

Simplify procurement with unified billing and purchase management through AWS. Use and pay only for the instances you need with on-demand pricing. Or take advantage of discounted pricing over a longer period of time with 1- and 3-year reserved instance purchasing models. OpenShift Service on AWS also fully qualifies for 100% of your spend with the AWS Enterprise Discount Program (EPD).

> *"[Red Hat OpenShift Service on AWS] gives us a broader competitive advantage by accelerating the pace at which we bring new products and solutions to the market."*[5]
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> **Kevin Kemmerer**
> CEO, Brightly Software
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> Read the customer success story.

4   Integrate AWS cloud services

Organizations plan to replace a number of key application components with cloud services within the next 2 years.[1] OpenShift Service on AWS gives you access to a complete, integrated portfolio of products and cloud services that work together reliably.

Build an ideal software foundation for application modernization use cases using AWS service integrations like AWS Cloud Databases; AWS Machine Learning; AWS Management and Governance; AWS Security, Identity, and Compliance; and AWS Cloud Storage. Plus, you can continue to use your current tools and services with OpenShift Service on AWS.

5   Simplify operations

80% of business executives say adopting IT automation is "extremely important" or "very important" to the future success of their organization.[4] OpenShift Service on AWS simplifies application life cycle management with support for both Kubernetes Operators and Helm.

Deploy and manage your preferred partner applications more easily and confidently with certified operators and Helm charts that encompass detailed vendor expertise. Plus, AWS offers a variety of operators for managing AWS services from within Red Hat OpenShift.

Learn more about Red Hat OpenShift Service on AWS

Discover more about the details and benefits of OpenShift Service on AWS.

Start your application modernization

Read the e-book to learn about modernizing applications with OpenShift Service on AWS.

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3 Flexera. "Flexera 2023 state of the cloud report," March 2023.

4 Harvard Business Review Pulse Report, sponsored by Red Hat. "Taking the lead on IT automation," January 2022.

5 Red Hat case study. "Brightly accelerates innovation with new technology and new ways of working," January 2023.

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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