

5 reasons to run applications on Microsoft Azure Red Hat OpenShift

Modernize your applications with Microsoft Azure Red Hat OpenShift to unlock new business possibilities.

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

Together, Red Hat and Microsoft deliver a cloud-based managed application platform that saves you time and effort in your application modernization journey. Jointly engineered, operated, and supported by Red Hat and Microsoft, [Azure Red Hat® OpenShift®](#) gives you a turnkey application platform based on production-grade components and open standards. This cloud service combines Red Hat OpenShift, Microsoft Azure, and an expert site reliability engineering (SRE) team to deliver efficiency and scalability on a trusted, reliable foundation.

Here are 5 key reasons to modernize and deploy your applications on Azure Red Hat OpenShift.

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 Azure Red Hat OpenShift gives you a ready-to-use Azure-native cloud service with everything you need to get started quickly. Red Hat and Microsoft SRE teams handle all aspects of Azure Red Hat OpenShift environment management—from cloud infrastructure to operating platform—so your teams can focus on strategic projects that deliver business value.

Develop, deploy, and manage applications where it makes the most sense—on site or in Microsoft Azure. Red Hat OpenShift runs consistently in on-site datacenter 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 Microsoft Azure. Plus, you can take advantage of extensive Kubernetes experience, migration planning assistance, managed cluster installation and verification, and streamlined support to further accelerate deployment and time to value.

2 Streamline development

More than half of organizations expect to increase developer productivity as a result of adopting cloud services.² Azure Red Hat OpenShift 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 Microsoft Azure. They can also provision the resources they need 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 and continuous deployment pipelines that contain a broad selection of supported technologies and workflows.

¹ Red Hat. "[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 Azure Red Hat OpenShift helps you achieve the right balance of flexibility and cost for your organization with multiple purchasing options.

Simplify procurement with unified billing and purchase management through your Microsoft Azure subscription. 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 multiyear, reserved instance purchasing models. You can also use your existing Microsoft Azure Enterprise Agreement (EA) credits for Azure Red Hat OpenShift instances to further save costs.

4 Integrate Azure cloud services

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

Build an ideal software foundation for all application modernization use cases using Azure service integrations like [Azure Active Directory](#), [Azure Advisor](#), [Azure Database services](#), [Azure Monitor](#), and [Microsoft Defender for Cloud](#). Plus, you can continue to use your current tools and services with Azure Red Hat OpenShift.

Learn more about Azure Red Hat OpenShift

[Discover more](#) about the details and benefits of Azure Red Hat OpenShift.

“Azure Red Hat OpenShift gives us the flexibility and the capabilities we need to deploy quickly while giving our IT the ability to focus on other important areas of the business.”⁵

Oscar Rivas Sendín

Head of Architecture, Pelayo

Watch the [Microsoft Ignite session](#).

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 Azure Red Hat OpenShift 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, the [Azure Service Operator](#) streamlines the provisioning of Azure services for your applications. With this operator, you can configure Azure services directly from the Red Hat OpenShift console.

Start your application modernization

[Read the e-book](#) to learn about modernizing applications with Azure Red Hat OpenShift.

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 Summit presentation. “Deploy apps faster with Microsoft Azure Red Hat OpenShift (with Pelayo Insurance),” June 2021.



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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