

SIMPLIFY CONTAINER ADOPTION WITH RED HAT AND MICROSOFT

BRIEF



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Red Hat and Microsoft offer a managed, cloud-based container environment that lets you adopt an enterprise Kubernetes platform more quickly and easily. This jointly engineered solution helps you:

- Empower your developers to innovate.
- Increase IT operational efficiency and reduce complexity.
- Scale economically on demand.
- Simplify your support experience.

This solution is billed through your Microsoft Azure subscription, so you can get started seamlessly and immediately.

MODERN APPLICATION INFRASTRUCTURE HELPS YOU ADAPT TO CHANGE

Organizations must modernize to adapt to evolving market situations, customer demands, and competition. Applications are central to this transformation and allow organizations to differentiate themselves through high-value customer experiences. Container technologies increase application portability, security, scalability, and manageability through fast, consistent development and deployment. As a result, 56% of organizations use containers to support digital business needs.¹

Even so, it can be resource- and time-consuming to build and manage a container environment yourself. Many IT organizations lack the skills and staff needed to maintain their environment internally. Others prefer to focus on application development and modernization, rather than creating, updating, and administering their container infrastructure.

Red Hat and Microsoft offer a cloud-based managed container environment that eliminates the need to research, integrate, test, manage, and update underlying technologies yourself. The companies build and maintain the environment for you, reducing operational complexity and allowing you to rapidly adopt modern, Kubernetes-based application development and deployment. Consequently, you can build applications that deliver more business value and realize return on your investment faster.

BUILD, DEPLOY, AND SCALE APPLICATIONS WITH CONFIDENCE

A jointly engineered, managed solution from Red Hat and Microsoft, [Azure® Red Hat® OpenShift®](#) gives you a complete containerized environment based on production-grade components. Built on proven open source technologies, [Red Hat OpenShift](#) is an enterprise-grade, Kubernetes-based container application platform. [Microsoft Azure](#) is a global network of some of the world's largest datacenters and provides a comprehensive set of cloud services for building, deploying, and managing the most demanding applications. Azure Red Hat OpenShift combines both products to deliver innovation and scalability on a trusted, reliable foundation.

Microsoft and Red Hat manage and operate the underlying infrastructure, reducing operational complexity so you can focus on your applications. Self-service deployment allows users to create the services and resources they need on demand. Built-in solutions and services—including source code management, container and application builds, health management—let you get started immediately. You can also customize your environment with third-party registry, networking, storage, and continuous integration/continuous deployment (CI/CD) solutions.

Azure Red Hat OpenShift also gives you a consistent Kubernetes platform for adopting hybrid cloud operations. You can deploy Red Hat OpenShift in your datacenter and move containerized applications and workloads to Microsoft Azure as needed, using the same tools.

¹ F5 Networks, "State of Application Services: 2019 Report," January 2019. f5.com/state-of-application-services-report/download-form.

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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ABOUT MICROSOFT

Microsoft is the leading platform and productivity company for the mobile-first, cloud-first world, and its mission is to empower every person and every organization on the planet to achieve more.

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EMPOWER YOUR DEVELOPERS TO INNOVATE

57% of organizations cite improved employee productivity as a benefit of IT modernization.¹

Azure Red Hat OpenShift delivers the tools and capabilities your developers need to be productive. Give developers freedom to use their preferred tools with built-in CI/CD pipelines that contain a range of supported technologies and streamlined workflows. Easily connect applications to hundreds of Azure services, including Azure Database for MySQL and PostgreSQL, Azure Cache for Redis, and Azure Cosmos DB. Build applications once and deploy them anywhere with consistency across platforms and environments.

INCREASE I.T. EFFICIENCY, SECURITY, AND AVAILABILITY

69% of organizations expect modernization to improve IT optimization.¹ Azure Red Hat OpenShift can help you boost IT efficiency, security, and availability. Streamline management with automated cluster operations, workflows, and application and service administration. Reduce operational complexity with a managed service that maintains, patches, and updates a consistent environment for you. Protect your business with continuous security capabilities, a hardened Kubernetes platform, and an integrated sign-on experience through Azure Active Directory. Increase availability with an enterprise-focused service-level agreement (SLA) that provides 99.95% uptime.

SCALE ECONOMICALLY ON DEMAND

To succeed as a digital business, your application infrastructure must be able to handle fast, sizable shifts in demand levels, without incurring large expenses. Azure Red Hat OpenShift lets you scale quickly and cost-effectively to meet changes in demand. Start a highly available cluster with four application nodes and dynamically expand as needed with on-demand Microsoft Azure cloud resources. Control costs with flexible, consumption-based pricing. Simplify purchasing and gain visibility into expenses through unified billing with your Microsoft Azure subscription.

SIMPLIFY YOUR SUPPORT EXPERIENCE

Even the best-implemented IT environments encounter problems. Azure Red Hat OpenShift streamlines issue resolution with an integrated support experience. Gain access to support staff from Red Hat and Microsoft, an integrated ticketing system, and a seamless, coordinated issue escalation and resolution process. Simply request support through the Azure portal. Support engineers for both companies work together to triage and address issues quickly, reducing hassle.

LEARN MORE AND GET STARTED

A container environment can help your organization modernize application development and adapt to the digital economy. Red Hat and Microsoft let you adopt container and hybrid cloud technologies faster with an easy-to-deploy, enterprise-grade managed service. As a result, you can focus on your business, exceed changing customer expectations, and remain competitive.

Learn more about Azure Red Hat OpenShift at azure.microsoft.com/en-us/services/openshift.