FOCUS ON BUSINESS INNOVATION

Build modern applications with Red Hat OpenShift and Amazon Web Services

> "*We chose Red Hat OpenShift because of its versatility. It lets us move applications seamlessly, and enables us to use AWS Cloud, where we can scale up and scale down as demand requires.*"
>
> KERRY PEIRSE
> GENERAL MANAGER, I.T. INFRASTRUCTURE & OPERATIONS, CATHAY PACIFIC AIRWAYS LIMITED

Learn more about Cathay Pacific's successful use of Red Hat cloud technologies at redhat.com/en/about/press-releases/cathay-pacific-takes-customer-experiences-new-heights-red-hats-hybrid-cloud-technologies.

DIGITAL SUCCESS REQUIRES RELIABLE APPLICATIONS

Highly available, cloud-based applications are at the core of modern businesses, but they must be configured properly to be effective. Cloud environments must be connected and optimized to increase scalability and elasticity. Consistent platforms and processes are needed to manage applications across on-premise and cloud environments. Red Hat® OpenShift® Container Platform and Amazon Web Services (AWS) form an innovative solution for quickly creating, deploying, and managing modern, cloud-based applications.

BUILD A FLEXIBLE APPLICATION ENVIRONMENT

Combining Red Hat OpenShift Container Platform and the AWS Cloud platform gives you a flexible, high-performance application environment that supports modern, digital operations. Built on open source innovation and industry standards, Red Hat OpenShift Container Platform is a comprehensive platform for building and running container-based applications with enterprise-grade Kubernetes. Develop, deploy, and manage traditional and container-based applications seamlessly across physical and AWS Cloud environments—without needing to recode or refactor applications. Speed iteration cycles and innovation with self-service capabilities and automation.

AWS is a high-performance, scalable, and comprehensive cloud platform that provides the availability, elasticity, and agility needed to run modern and existing applications. Adapt quickly to changing demand with automatic resource provisioning and retirement. Protect your applications and environment with included security features—and more than 50 compliance certifications and accreditations.

Together, Red Hat OpenShift Container Platform and AWS provide a Kubernetes platform that supports existing and cloud-ready applications with streamlined access to AWS services. The benefits include:

- **Seamless service provisioning.** AWS Service Broker integration allows AWS services to be provisioned and exposed directly through Red Hat OpenShift Container Platform.

- **Cross-infrastructure consistency.** Applications and workloads behave the same across development, test, and production environments.

- **Unified experience in hybrid clouds.** Agile development and DevOps methodologies work across on-premise and cloud environments.

- **Flexible application deployment.** Existing applications can be deployed on cloud infrastructure to increase agility, scalability, and elasticity.

- **Rapid development capabilities.** Automation and self-service capabilities let developers focus on building differentiated products instead of managing commodity application components.

redhat.com
aws.amazon.com

SIMPLIFY APPLICATION LIFE CYCLES WITH ON-DEMAND RESOURCES

Red Hat OpenShift Container Platform and AWS make it easier to deliver on-demand services and resources to users. Build your environment on a security-focused foundation and add functionality with Red Hat's open, integrated software stack. Simplify application life cycles with containerized environments that provide consistent deployment and automated policy enforcement—both on-premise and in AWS. Ensure developers always have what they need with self-service provisioning of resources and AWS services directly from the Red Hat OpenShift interface.

DELIVER HIGH-QUALITY APPLICATIONS FASTER

Red Hat OpenShift Container Platform and AWS remove barriers to development, allowing you to build high-quality applications faster. Focus on adding value to your applications by using self-service provisioning, automatic security enforcement, and consistent deployment. Accelerate change iterations with automated development pipelines, templates, and performance monitoring capabilities. Use your choice of languages, tools, services, and workflows to build applications without limiting deployment options.

NEXT STEPS

Modern applications and hybrid cloud technologies are essential for digital business. Red Hat OpenShift Container Platform and AWS deliver an innovative application foundation that helps you optimize processes, provide on-demand services and resources, and speed development of high-quality applications so you can become more agile and successful. Contact your Red Hat or AWS representative to get started.

Learn more at redhat.com/en/partners/amazon-web-services.

Test out the Red Hat OpenShift Container Platform and AWS solution at aws.amazon.com/quickstart/architecture/openshift/.

ABOUT AWS

For over 12 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 125 fully featured services for compute, storage, databases, networking, analytics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development, deployment, and management from 55 Availability Zones (AZs) within 18 geographic regions and one Local Region around the world, spanning the U.S., Australia, Brazil, Canada, China, France, Germany, India, Ireland, Japan, Korea, Singapore, and the UK. AWS services are trusted by millions of active customers around the world—including the fastest-growing startups, largest enterprises, and leading government agencies—to power their infrastructure, make them more agile, and lower costs.

ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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