

# Modernize IT management and application development

Red Hat OpenShift Service on AWS for state and local government, and higher education

## Benefits of Red Hat OpenShift Service on AWS

- Improved flexibility and agility
- Elastic scalability
- Improved developer productivity
- Reduced operational cost

The global pandemic stress-tested state and local governments, school districts, colleges, and universities in unprecedented ways. The change from in-person to remote work forced a change in operational models that heightened the need to move to more modern, agile IT.

Existing systems used by state, local, and educational organizations are often slow, costly, and lack the agility to adapt and scale efficiently. To scale elastically and deliver innovative constituent/student experiences, government agencies and schools need to digitally transform their value chains and modernize their IT infrastructures.

Cloud-native applications running on hybrid cloud infrastructure can provide state, local, and educational organizations with the scalability and flexibility to help become more agile organizations. But migrating to cloud-native development and hybrid cloud introduces a new set of challenges, including:

- People with the skills to migrate and integrate legacy apps with containers and multiple cloud services are in short supply and expensive.
- Creating full-stack automated operations and simplifying life-cycle management also requires software, tools, and skills that might not be available in-house.

Red Hat and Amazon Web Services (AWS) offer a hybrid cloud environment that lets you modernize IT management and application development, quickly adapt to changing conditions, and prepare for future change.

## Modernize with Red Hat and AWS

With the solution from Red Hat and AWS you have the tools to innovate faster, deliver high-quality constituent/student experiences, and scale faster with service request spikes. You can:

- Gain the flexibility and agility to adapt operational models to handle changing demand by moving workloads to a dynamic, on-demand cloud environment.
- Speed development of new constituent/student experiences and meet service level agreements (SLAs) with a modern approach to DevOps and continuous integration and continuous delivery (CI/CD).
- Reduce operational cost with advanced management, automation, and security tools to streamline IT maintenance.

Red Hat® OpenShift® Service on AWS is an integrated solution that combines Red Hat OpenShift (the industry's most comprehensive enterprise Kubernetes platform) and AWS public cloud. This tried, tested, and trusted solution is jointly managed, operated, and supported and includes:

- AWS cloud-based, security-focused, resizable compute and storage capacity for workloads and applications built on Red Hat technology.
- Software platforms for hybrid cloud and a consistent foundation for both new and legacy applications based on Red Hat Enterprise Linux® and Red Hat OpenShift Container Platform.



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## Security certifications

- PCI-DSS
- ISO 27001
- SOC 2 Type 2

Red Hat OpenShift Service on AWS offers government agencies and educational institutions on-demand and self-service deployment to speed and simplify development. The solution improves developer productivity and reduces operational complexity across on-premise and cloud environments, allowing government agencies and educational institutions to adapt and change.

## Choose the right deployment model for your organization

**Fully managed service—purchased directly from AWS.** Red Hat OpenShift Service on AWS frees developers from managing infrastructure so they can focus on applications and experiences. It provides joint support, out-of-the-box integration to AWS, pay-as-you-go pricing, and a single bill. DevOps teams can use familiar tools and deep integration with AWS to deploy fully managed Kubernetes clusters quickly. Red Hat OpenShift Service on AWS is jointly managed by AWS and Red Hat with a 99.95% availability SLA.

**Fully managed service from Red Hat with the option to deploy on AWS.** Red Hat OpenShift Dedicated is designed for those who already have a large Red Hat footprint. OpenShift Dedicated offers quick time-to-value and premium support with a guaranteed SLA.

**Managed in-house by your organization.** Red Hat OpenShift Service on AWS is designed for those who require a high degree of customization and have the skills to manage their own environment. It can be customized as needed and you make decisions about installation, integration points, tooling for creation, and cluster management.

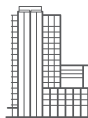
## Why Red Hat and AWS

Red Hat OpenShift Service on AWS allows you to experience the breakthrough capabilities of Kubernetes from a consistent, supported, and enterprise-hardened platform. With Red Hat and AWS, you benefit from the experience of two companies that are leaders in helping to modernize applications and infrastructure around the world.

**Get started with [Red Hat OpenShift Service on AWS](#).**

## 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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