Red Hat OpenShift

Accelerate the modernisation of your infrastructure and Applications with Red Hat OpenShift

In today's fast paced, evolving digital landscape, businesses must adapt quickly to stay competitive. Modernising your infrastructure and applications is crucial for achieving agility, scalability, and efficiency. **Red Hat OpenShift**, a leading enterprise Kubernetes platform, empowers organisations to embrace cloud-native technologies and accelerate their digital transformation journey.

Why do organisations need a containerised platform?

Containerisation offers significant advantages over traditional virtual machines:

Increased efficiency

Lightweight and portable, containers enable efficient resource utilisation and seamless application deployment across environments.

Improved scalability

Containerised applications can be easily scaled to meet changing demands, ensuring optimal performance and cost-effectiveness.

Enhanced developer productivity

Containers accelerate and simplify application delivery through consistent environments and streamlined deployment processes.

Greater agility

Faster iteration and deployment of applications, allowing businesses to respond quickly to market demands and customer needs.

Challenges in building and running a containerised platform

While containerisation offers numerous benefits, organisations often face challenges in building and running a robust container platform:

Accelerating new application development while managing and modernising existing applications: Balancing innovation with the need to maintain, update, and refactor legacy systems can be complex.

Managing complex integrations: Integrating container platforms with existing infrastructure often involves a complex web of tools and technologies, demanding significant time and expertise to effectively maintain, and upgrade.

Limited time, resources and expertise: 75% of organisations say a lack of internal expertise is a container adoption challenge[1].

Speed of deployment: Lengthy build times and the need to integrate a diverse toolset, present a significant barrier to entry for organisations seeking to quickly realise the business value of containerisation.

Supporting security and compliance at scale: Ensuring security and compliance from build to production requires robust security measures without impacting deployment velocity.

Business values and outcomes

Investing in a container platform like Red Hat OpenShift delivers significant business value:

Accelerate time to value: Streamlined development and deployment processes increase developer productivity 35%[2], driving business value.

Simplify operations and reduce risk: Manage VM's and Containers using a single toolset to streamline operations, simplify staff onboarding, and automate orchestration improving operational efficiency by 50%[3] and mitigate risks.

Focus on innovation: By offloading platform management, organisations can shorten their development cycle by 70%[4] accelerating new products/services.

[1] State of the Cloud Report [Flexera]   [2][3][4] The Total Economic Impact™ Of Red Hat OpenShift Cloud Services [Forrester TEI]

Shared Responsibility Model: OpenShift on AWS

Running OpenShift on AWS provides a flexible and scalable solution, offloading the burden of support to AWS and Red Hat, so the customer can focus on their applications and data.

Developer Services	Customer Applications	Customer Data
Cluster Networking	Application Networking	Logging	Platform Monitoring
Cluster Version/ Upgrades	Virtual Compute	Virtual Networking Management
Virtual Storage Management	Capacity Management	
Hardware/AWS Global Infrastructure	AWS Software/Services	

Customer
Red Hat
AWS

Why OpenShift?

OpenShift stands out as a comprehensive and robust container application platform:

AWS integration
Seamless integration with AWS services, billing, and support.

Turnkey Application Platform
Fully integrated toolset to reduce friction and accelerate application development.

Secure by default
Hardened Kubernetes cluster with shift-left security features.

Consistent Environment
Leverage OpenShift to run VMWare VM's, build AI solutions using OpenShift AI, and build on-premise workloads.

Global SRE expertise
Backed by global team of SREs & AWS.

Rapid Application Development
ROSA requires 70% less developer time[5], organisations can focus on delivering services with fewer resources.

RBAC & Secrets Management	Red Hat Cluster Support	Friendly User Interface
Vulnerability Scanning	Operator Framework/ Supported Tooling	Cluster/Pod Autoscaling
Centralised Logging	Platform Monitoring	Application Monitoring
Code Repository	Application Build (CI)	Application Deploy (CD Pipelines)	Image Registry
Red Hat OpenShift Container Platform		
AWS Infrastructure and Services		

Provided by customer

Provided by OpenShift (saving the customer build effort)

Provided by AWS

[5] The Total Economic Impact™ Of Red Hat OpenShift Cloud Services [Forrester TEI]

Mobilise's OpenShift Offering

As a Red Hat Advanced Business Partner with proven experience designing, building, and supporting container platforms, Mobilise can accelerate your journey to a modern and agile infrastructure.

Accelerated OpenShift Adoption with Mobilise ROSA Deployment:

Day 2 Deployment

Automate the deployment of Red Hat OpenShift Service on AWS (ROSA), integrate with your code repository, and include sample build and deployment pipelines so you can begin running containerised applications on day 2.

Red Hat OpenShift

Comprehensive OpenShift Services:

Design & integration

We provide comprehensive designs for both existing and greenfield environments, seamlessly integrating OpenShift with your existing workloads, tools, and services.

Migration & modernisation

Migrate existing applications to OpenShift, and help replatform and refactor services for optimal performance and scalability. We also specialise in migrating VMware VMs to OpenShift, simplifying your transition to a modern container platform.

DevSecOps CI/CD Pipelines

Build robust infrastructure and application CI/CD pipelines with built-in security scanning to accelerate application delivery and enhance security posture.

Training & support

Empower your teams with comprehensive training and ongoing support to effectively manage and utilise OpenShift.

Managed services

Focus on your core business while we provide expert application, data, and infrastructure support for your OpenShift environment, ensuring optimal performance, security, and availability.

Partner with Mobilise to unlock the full potential of Red Hat OpenShift and accelerate your digital transformation.

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