

Transform application deployments with managed containers

DXC Managed Container Platform as a Service

powered by Red Hat OpenShift

Benefits

- Enhance business efficiency by accelerating development productivity
- Increase business agility with automation and continuous integration/continuous development to build, test and deploy environments
- Enhance DevOps capabilities by streamlining and automating container management
- Remove business complexity by seamlessly managing infrastructure and platform

The digital revolution has shifted the focus from business as usual to high-value innovation that increases flexibility and speed to market. The goal is to deliver services and applications quickly, update them in short development cycles and scale them in production efficiently, reliably and securely.

Digital transformation

Making digital transformation a reality requires a change in approach and processes. Businesses are moving away from old, monolithic systems to faster, more scalable and intuitive technologies. Approaches such as containerization are seen as key enablers to reduce business and IT complexity and speed delivery of new services and business outcomes.

To meet this need, DXC Technology — in partnership with container technology leader Red Hat®, part of the DXC Partner Network — has developed a fully managed enterprise-grade Kubernetes platform. DXC Managed Container Platform as a Service (PaaS) powered by Red Hat OpenShift is a fully managed container platform offering enterprise clients a formidable approach to making digital transformation a reality in their organizations.

DXC and Red Hat collaborated to develop this managed service and to provide training on solutions, tools, environments and approaches.

Supported by DXC’s industry-leading automation and CloudOps, the service scales quickly to address changing business needs.

Shifting application processes to a secure, container-based approach enables you to transform your application deployment model, paving the way for the creation of intelligent and performance-sensitive applications that can be implemented across multiple clouds.

High-value business outcomes

Red Hat OpenShift uses Kubernetes and a Docker container format to unite application development and operations teams onto a single platform so that they can more effectively build, deploy and manage applications. Continuous integration and increased agility accelerate application deployments and drive greater business value by lowering your operating and application development costs, and by increasing operational efficiencies to meet customer and employee demands.

Shorter application life cycles free up developers to deliver more timely, robust and functional applications and features, and ultimately improve the user experience, thereby doubling user adoption rates. According to an IDC study on the benefits of Red Hat OpenShift, businesses sped up application delivery and major feature releases by an average of 66 percent.¹

¹ IDC Report: Larry Carvalho and Matthew Marden, “The Business Value of Red Hat Open Shift,” October 2017. <https://cdn2.hubspot.net/hubfs/4305976/s3-files/idc-business-value-of-openshift.pdf>

Additionally, Red Hat OpenShift cuts average development time by 35 percent and requires less time to debug software. The study further states that organizations can reduce infrastructure and application development costs by as much as 38 percent per application per year.

Automation and orchestration

An integral part of Red Hat OpenShift is a portable and extensible open source container orchestrator called Kubernetes. This flexible platform framework automates many of the manual processes involved in deploying and scaling containerized applications. It also manages computing, networking and storage infrastructure to maximize the hardware resources needed to run your enterprise workloads.

Enterprise-grade service delivery

DXC Managed Container PaaS combines the best in container technology with world-class managed services. DXC cloud experts trained to run and manage Red Hat OpenShift technology provide 24x7 global support and other services:

- **A fully managed OpenShift platform using Kubernetes**
 - Incident management, patching, monitoring, performance reporting, and backup and recovery
 - Scalability and automated provisioning of the autonomous OpenShift Container Platform
 - Easy and efficient cluster scheduling and management using Kubernetes
 - Redundant configuration for minimal downtime

- **Red Hat expertise**

- Support for the latest software
- Integration with Red Hat CloudForms to monitor OpenShift Container Platform health
- Automation of software provisioning, configuration management and application deployment with Red Hat Ansible’s automation engine
- Access to image registry with Red Hat Satellite
- Load balancing with Red Hat HAProxy

- **Full-stack application services**

- Application containerization as a service for existing apps
- Development of new cloud apps with platform-native services

Faster time to benefits

DXC’s automated, scalable and secure “build once, run anywhere” full-stack managed service helps you quickly realize significant advantages:

Accelerated application development and deployment. Achieve faster time to market with continuous integration/continuous deployment and shorter release cycles.

DevSecOps enablement. Automation, monitoring and security are integral parts of the service, allowing for shorter development cycles and increased deployment frequency.

High availability and scalability. Full-stack application management and monitoring ensure service levels up to 99.9%. A one-click scale feature lets you grow quickly.

Accelerated application transformation.

Speed application transformation with our containerization and cloud-native application development services.

Increased application security. Get end-to-end security and compliance visibility when OpenShift and Kubernetes Container Platform are combined with DXC’s highly secure cloud infrastructure.

Platform consistency and independence. Adopt a single platform that can deploy applications across public, private and hybrid environments.

Why DXC?

For over 50 years, DXC has been at the forefront of innovation, offering:

Cloud expertise and global presence. Forty percent of Fortune 100 companies use DXC for cloud services. We have more than 600 managed cloud clients and more than 1,200 private cloud installations worldwide.

Close partnership. DXC and Red Hat’s strong, decade-long partnership ensures seamless integration of managed container services.

Contact us at www.dxc.technology/contact_us to find out how DXC Managed Container PaaS powered by Red Hat OpenShift can help your business become more competitive.

Learn more at
www.dxc.technology/ManagedContainer

About DXC Technology

DXC Technology, the world’s leading independent, end-to-end IT services company, manages and modernizes mission-critical systems, integrating them with new digital solutions to produce better business outcomes. The company’s global reach and talent, innovation platforms, technology independence and extensive partner network enable more than 6,000 private- and public-sector clients in 70 countries to thrive on change. For more information, visit www.dxc.technology.