



KPMG and Red Hat Containerization Hub

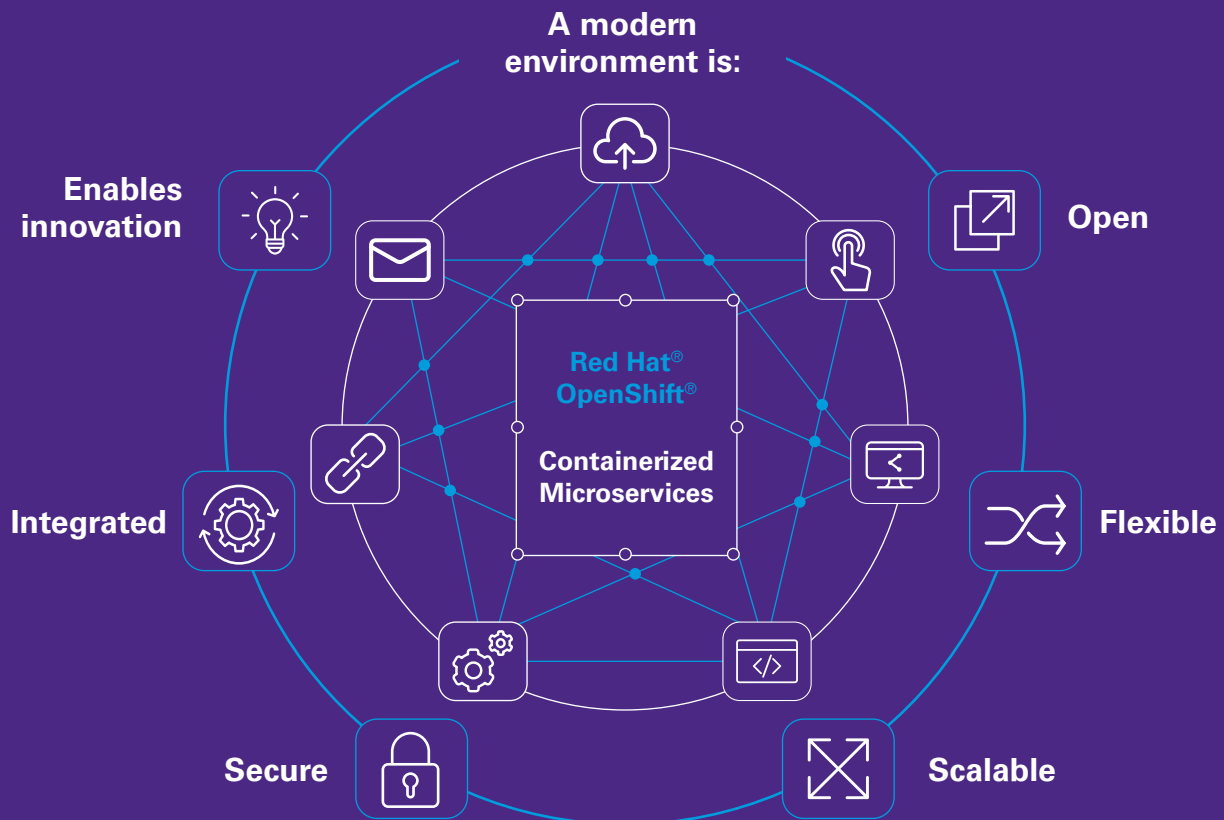
Enhancing speed, consistency, and cost-efficiency for container adoption



The shift from legacy environments to modern, cloud-based applications continues to gather speed, and many IT leaders are adopting containerization to support their application modernization process.

As a lightweight, standalone, and executable package of code, containers provide a streamlined way to build, test, deploy, and redeploy applications. They help integrate different environments supported by multiple cloud service platforms. A well-designed containerization strategy has been shown to help organizations:

- Modernize legacy applications across hybrid or multi-cloud environments
- Innovate and respond to rapid market demands through the creation of new cloud-native applications
- Create applications that are both agile and scalable
- Provide a standard way to package and deploy applications while optimizing costs
- Run applications in a consistent manner across the entire software development lifecycle.



Benefits of building a containerization hub

Despite the proven advantages of containers, development and implementation can be a challenge. There are many decisions to think about and a “learn as you go” approach can be costly and time-consuming.

To address these challenges, KPMG and Red Hat developed the KPMG and Red Hat Containerization Hub offering. This set of services and capabilities enables clients to set up a center of excellence for containers and realize their goals and objectives. This helps our clients:

- ▶ Adopt container architecture via pre-built accelerators, blueprints, and best practices to accelerate the application migration journey
- ▶ Reduce development time, and maintenance costs by identifying and developing reusable assets
- ▶ Drive compliance and consistency through standardization and a cross-organizational approach
- ▶ Allow application teams to focus on delivering business value.

Why KPMG and Red Hat?

KPMG and Red Hat bring years of business, industry, and technology experience together to help clients modernize applications and meet the demands of the current marketplace. KPMG and Red Hat can help you achieve

- ▶ Reduced application complexity using microservices that allows for more agile development
- ▶ The ability to deliver frequent and responsive updates to quickly address customer demands
- ▶ Greater flexibility to run anywhere and avoid vendor lock-in
- ▶ Enhanced security throughout the entire application lifecycle.




KPMG provides a range of technology advisory services, determining the right approach for each client based on their unique needs and objectives. Our professionals offer design and implementation support as well as strategy, enablement, and governance.

Guided by KPMG domain knowledge and broad experience with hybrid/multi-cloud infrastructures, our clients can transform their cloud operations to be more agile and responsive. We help deliver savings in design, implementation, support, licensing, and operational costs.

Red Hat brings OpenShift as an open-source container platform utilizing Kubernetes technology, the de facto standard for modern container orchestration and management.

Red Hat OpenShift intelligently determines the optimal way to run containers and maintain their operations for maximum efficiency. Equally important, Red Hat OpenShift can run on hybrid or multi-cloud environments, giving organizations flexible options to fit their current and future needs.

This offering includes not only building a containerization hub, but also executing its run-state and supporting the transition to business as usual.



Case study: uncovering the value of containers to drive technology innovation

One of the world's largest financial institutions sought to improve its ability to respond to rapid market demands, decrease the costs of its technology footprint, and remain competitive. Accomplishing this would involve developing and deploying new applications. The client also needed to migrate thousands of legacy on-premise systems across multiple lines of business to a more agile infrastructure.

The bank turned to KPMG to help leverage and accelerate adoption of Red Hat OpenShift. Key priorities for the client included:

- Increasing the speed of innovation and product release
- Establishing best practices to capture the value of containers
- Supporting application teams.

With deep experience with hybrid and multicloud platforms, and our alliance with Red Hat, KPMG brings functional and technical skills to IT transformation. We helped the client plan for modernization, from architecture and build stages, through application deployments.

Our professionals worked closely with the bank's applications teams—under the purview of the central IT group—to replatform, rehost, or re-architect applications. Together, we developed and deployed modern, container-based applications that securely run anywhere, at the speed that meets business demands.

A key factor in the success of the engagement was the KPMG and Red Hat Containerization Hub staffed by experienced KPMG developers and architects. As part of the containerization hub services, KPMG and the client collaborated to define the scope, deliverables, team structure, timeline, success criteria, design, and work plans as well as the approach to engage line of business (LOB) stakeholders. Additionally, KPMG established and socialized a candidate application intake process, assessment frameworks, and a governance structure.

KPMG also developed reusable accelerator blueprints including architecture, code, and deployment scripts based on existing application support work. This supported the adoption of containers by helping application teams understand the path and recognize the value of modern application architecture.

Contact us

Learn more today

To learn more about how KPMG and Red Hat can help you modernize applications through the KPMG and Red Hat Containerization Hub, visit read.kpmg.us/redhat

For further information, please contact:

Kevin Martelli
Principal, Advisory

T: 267-256-3312

E: kevinmartelli@kpmg.com

Vinodh Swaminathan
Principal, Advisory

T: 203-940-1284

E: vswaminathan@kpmg.com

Amy Czech
Director, Strategic Alliances

T: 212-954-2446

E: aczech@kpmg.com

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