



Modernization at the speed of business

How a big bank uncovered the value of containers to drive innovation

Client story



Client challenge

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 as well as migrating 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® with a focus on three key objectives:

Increase speed of innovation and product release. The ability to deliver new applications and new releases at speed was viewed as a critical part of maintaining competitive advantage.

Establish best practices to capture the value of containers. The bank sought to identify the best path to modernization, from design to implementation, while also setting the standards for future application development and migration to containers.

Provide support to application teams. Because application teams were overextended, the bank wanted hands-on resources that could help support the architecture, development, migration, and deployment of applications to the new platform.



Benefits to client

KPMG collaborated with over a dozen of the bank's application owners across various lines of business to help with the migration and adoption of Red Hat OpenShift across the enterprise and modernize the applications to be more scalable and agile.

The value the client has realized includes:

Speed and scale. Reduced application complexity is leading to faster and more responsive application development and integration. Although the project is still in progress, application delivery pipelines are functioning more efficiently and productively, enabling the bank to grow and innovate more rapidly against business and market demands.

Adoption through knowledge. A Containerization Center of Excellence (CoE) staffed by experienced KPMG developers and architects and supported by a delivery enablement team created a governing structure. This included a steering committee, frameworks, and leading practices that united the teams in business and technology toward a common, understood goal. A greater awareness and knowledge of containerization led to increased adoption.

Agility and cost savings. Cost efficiency and competitiveness were top concerns of the client. The KPMG team demonstrated the potential savings in licensing, infrastructure, and operational costs by modernizing applications and retiring legacy systems. The agility and efficiencies from containerization will position the company well in a business environment that demands speed and innovation.



KPMG approach

With our deep experience with hybrid and multicloud platforms and our alliance with Red Hat, we bring functional and technical skills to IT transformation. We helped the client plan for modernization, from architecture and build stages, through application deployments. Our team worked hand in hand with the bank's applications teams, under the purview of the central IT group, to replatform, rehost, or rearchitect applications and develop and deploy modern, container-based applications that securely run anywhere, at the speed of business.

The KPMG approach included:

- **A Containerization CoE:** 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.
- **Application modernization:** KPMG worked with LOB leaders to support the modernization of their applications and migration to Red Hat OpenShift. Based on the requirements of each application, KPMG provided support for:
 - Application design and architecture
 - Migration path recommendations
 - Technical support for application migration, development, and deployment.
- **Migration tools and accelerators:** KPMG 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.
- **Education and guidance:** KPMG helped establish educational awareness of containers throughout the enterprise via the CoE. KPMG provided knowledge and guidance on leading practices in application design for the bank's developer teams.

KPMG insights

Cloud migration and application modernization are critical to respond to market demands. Legacy systems unable to respond to the demands of business today and into the future put organizations at risk. Many companies are locked in to vendors and systems that limit their ability to innovate.

Guided by KPMG domain knowledge and deep experience with hybrid/multicloud infrastructures, our clients can transform their cloud operations into agile, responsive assets that help deliver savings in licensing and infrastructure costs.

Red Hat OpenShift enables secure, agile application development and innovation. Companies with a modern cloud strategy can capitalize on innovation opportunities that spring naturally from an agile, scalable approach to application delivery. Teams can work securely and at speed to meet challenges or innovate new products via microservices, running their applications anywhere—on premise, on cloud, or in a hybrid environment.

To learn more about how KPMG and Red Hat help clients modernize applications to meet the demands of the current marketplace visit read.kpmg.us/redhat.

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