KPMG

Red Hat

A new approach to application modernization

Accelerate digital transformation with KPMG and Red Hat

Pressure for faster, more responsive service is driving organizations to adopt a more agile, modern approach to application delivery. Companies that make the critical transition to modern applications, such as container-based systems, stand to create new business value and competitive advantage.

CIOs leading their company's cloud transformation understand that application modernization is a key step in the journey—one that can unlock future innovation. Many successful companies have adopted containers as one step in that transition.

Why make the shift to containers?

▶ Speed up application development and delivery

▶ Focus less time on maintenance and more on innovation

▶ Allow for faster integration of existing applications

▶ Keep pace with modern worker skills as staff experienced in older apps are hard to find

▶ Avoid vendor lock-in

▶ Better security

▶ Cost reduction

Container systems employ microservices—a way of chopping large applications into bite-sized apps that can be developed and implemented on their own. An individual microservice can be updated or replaced without the need to change or synchronize all the other services, making them more secure and easy to scale.

The KPMG and Red Hat application modernization solution

KPMG and Red Hat combine years of experience and technology to help clients modernize costly, monolithic applications to meet the demands of the current marketplace: This cutting edge solution provides performance at the speed and scale of digital, while enabling multiple new options and remaining vendor agnostic.

KPMG services

KPMG provides 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 and governance.

KPMG sees app modernization as part of a larger cloud transformation journey and can provide change management guidance to promote the success of the transformation.

Rigid core systems limit your ability to make the dramatic changes to business processes that will power the next wave of innovation.

Source: Modernize Core Applications With Cloud, Forrester Research, Inc., August 5, 2019

Red Hat technology

Red Hat (now part of IBM) brings OpenShift to the joint solution. OpenShift is an open-source container platform utilizing Kubernetes technology that helps companies achieve:

- A variety of infrastructure options, because containers can run anywhere
- Faster time to market by reducing debugging time
- Lower costs by improving resource utilization
- Enhanced security and scalability

Kubernetes has become the de facto standard for container orchestration and management. OpenShift intelligently figures out the optimal way to run containers and monitors the health of clusters in the same way a thermostat monitors ambient temperature to keep your house at a constant warmth. And it can run on hybrid or multi-cloud environments, giving clients multiple options to choose what will work best for their needs.

Create new business value from existing applications

The combination of KPMG services and Red Hat technology can help clients achieve successful application modernization and achieve benefits such as:

- Reduced application complexity, which allows for more agile development using microservices
- The ability to deliver frequent and responsive updates to quickly address customer demands
- Higher availability application delivery with the ability to scale more rapidly
- Flexibility to run anywhere, and to avoid vendor lock-in
- Lower operational cost
- Security throughout the entire application lifecycle.

Delivering innovation together

The alliance between IBM and KPMG is a powerful combination. We bring together IBM's leading, hybrid multi-cloud technology with KPMG professionals' experience helping clients make a successful journey to the cloud. Building on our work with IBM and Red Hat, we give clients the flexibility to select the right architecture and approach for their unique app and workload requirements and craft an effective cloud strategy for their business objectives. Red Hat has two decades of experience implementing open-source solutions in hybrid cloud infrastructure, cloud-native development, automation, IT optimization, and integration and was recently named a leader in multicloud container development platforms by Forrester[1].

[1]Source: The Forrester WaveTM: Multicloud Container Development Platforms 2020 Q3 report. https://www.redhat.com/en/resources/forrester-wave-multicloud-container-platform-analyst-materia

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