App Modernization With AKS Accelerator

A faster way to modernize and leverage containers

Business challenge

Maintaining legacy applications can be challenging for IT — but updating those applications to a modern platform can be equally daunting. Already faced with limited resources while trying to keep pace with the speed of innovation, IT can't run the risk of failed modernization projects or cost overruns.

Migrating applications to a fully managed Kubernetes platform such as Azure® Kubernetes Service (AKS) offers many benefits, including scalability, resiliency and fast deployment/ rollback — without having to completely rewrite the application or maintain the underlying infrastructure.

How we help

At Insight, we help you with a rapid migration of legacy apps to containers — and many applications can be moved to a container-based platform with minimal changes. Leveraging our broad experience with container orchestration technologies, we'll help you set up, deploy and secure your own AKS cluster in your Azure subscription.

During this accelerator, we'll conduct a detailed assessment of your application portfolio (if you haven't done so already). From there, we'll determine which applications to prioritize and create a roadmap for each one. We'll then work with your teams to get your AKS environment ready for deployment. Finally, we'll begin development and execute the modernization roadmap for one or more of the prioritized applications.

Preparing for transformation

To ensure you receive the greatest value from this accelerator, please be prepared with:

- A general understanding of containers
- Relevant documentation
- Active and regular engagement from stakeholders and technical subject matter experts

Duration

Varies

Benefits
- **Accelerated** path to modernization
- **Increased** app reliability
- **Modernized** apps deployed to your environments
- **Decreased** time and complexity of deployments

Related offers

Azure Kubernetes in Action Workshop

App Modernization with AKS Assessment

App Modernization Fast Start

App Modernization with OpenShift Workshop

App Modernization with OpenShift Fast Start

Schedule a Workshop

To learn about pricing and how to get started, contact alliances@insight.com.

Microsoft

Our approach

Plan	Build	Modernize	Deploy
• Prioritize applications for modernization.	• Deploy Kubernetes cluster in Azure subscription using Azure Kubernetes Service (AKS) with Azure Resource Management (ARM) templates.	• Begin adapting applications for deployment in containers.	• Create and configure Azure Container Registry for private image storage.
• Examine application architecture (tiers, database(s), other connected systems and current hosting platforms).	• Configure cluster to support monitoring, security, logging and storage best practices.	• Help configure developer workstations to facilitate container-based development.	• Work with IT teams to deploy applications to AKS using CI/CD pipeline.
• Catalog third-party dependencies.	• Integrate cluster into Azure Active Directory (AD) for authentication and authorization.	• Migrate data into container or Azure platform-based database.	• Validate functionality, security and performance.
• Determine requirements for resources deployed in Azure®, including security, HA and DR.	• Configure additional Azure components as necessary (storage, network, VPN, etc.).	• Create CI/CD pipeline for container builds and deployment.	• Perform cutover migration to newly migrated apps.
• Create project plan and roadmap.			

About Insight

At Insight, we define, architect, implement and manage Insight Intelligent Technology Solutions™ that help your organization run smarter. We'll work with you to maximize your technology investments, empower your workforce to work smarter, optimize your business and create meaningful experiences.

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