Application Modernization/ Build with Containers & Kubernetes Fast Start

Business challenge

With the pressure to deliver applications faster than ever, adopting modern application platforms is both a complex feat and a shift in mindset. Proper pacing is critical, but it's a balance — moving too slowly could mean getting surpassed by competitors, but moving too quickly could mean overlooking a gap in your strategy.

How we help

Insight's Digital Innovation team helps you modernize your applications at a swift but practical pace using best-in-class solutions. Leveraging our deep expertise in DevOps, we enable IT operations and app developers to collaborate and deliver at maximum speed, functionality and innovation. For this solution, we'll use our proficiency in the Kubernetes platform to give you:

- A fully-functioning Kubernetes cluster to host your apps
- One or more fully deployed apps running in Kubernetes
- A configured CI/CD pipeline for fast, repeatable updates
- Guides to help your teams adapt to a Kubernetes environment

Preparing for transformation

To ensure you receive the greatest value from this engagement, you will need:

- An available Azure® subscription with sufficient funding
- Familiarity with Docker
- Access to source code for applications
- Availability of required stakeholders (application architects, cloud architects, DevOps manager, etc.)

Duration
2–3 weeks

Benefits
- **Cost savings** with reduced overhead management
- **Faster time to market** with a cloud-based, continuous delivery model
- **Reduced risk** with self-healing, hosted control panes
- **Increased scalability** with easy cluster scaling for peak demand

Related offers

Azure Kubernetes in Action Workshop

App Modernization with AKS Assessment

App Modernization with AKS Accelerator

Get started.
To learn about pricing and how to begin, contact **alliances@insight.com**.

Microsoft

What to expect

Week 1	Week 2	Week 3
• Review application containerization process. • Review Kubernetes platform. • Review application requirements. • Examine application architecture (tiers, database(s), other connected systems and current hosting platforms). • Catalog third-party dependencies. • Diagram deployment steps.	• Deploy Kubernetes cluster in Azure subscription using Azure Kubernetes Service (AKS) with Azure Resource Management (ARM) templates. • Configure cluster to support monitoring, security, logging and storage best practices. • Integrate cluster into Azure Active Directory (AD) for authentication and authorization. • Configure additional Azure components as necessary (storage, network, VPN, etc.). • Help configure developer workstations to facilitate container-based development. • Containerize chosen application. • Migrate data into container or Azure platform-based database. • Perform initial deployment of application containers to new AKS cluster.	• Validate application functionality. • Create and configure Azure Container Registry for private image storage. • Create automated DevOps processes for application updates. • Set up/configure CI/CD pipelines.
Deliverables	**Deliverables**	**Deliverables**
• Application architecture diagrams • Future platform recommendations • Migration plan • Deployment flow diagram	• Fully configured Kubernetes cluster in your Azure account • An application deployed and running in the cluster • Capability to containerize and deploy additional applications	• Pipeline to build and deploy containerized applications • Private container registry to store all of your images

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.

Insight Digital Innovation