Azure Kubernetes Service (AKS) Accelerator

A faster way to modernise apps 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 modernisation projects or cost overruns.

Migrating applications to a fully managed Kubernetes platform such as Azure® Kubernetes Service (AKS) enables your applications to adopt features not possible on conventional hosting platforms. Take advantage of scalability, resiliency, fast deployment / rollback, advanced service mesh networking and application isolation.

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 light assessment of your application portfolio. From there, we'll determine which applications to prioritise 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 modernisation roadmap for one or more of the prioritised 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 modernisation
- **Increased** app reliability
- **Modernised** apps deployed to your environments
- **Decreased** time and complexity of deployments

Related offers

App Functional Assessment

App Technical Assessment

Cloud-Native Web Applications

GET STARTED

To learn about pricing and how to get begin, contact ANZ_DI_Sales@insight.com

---

1800 189 888 | au.insight.com

Our approach

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

Reference Architecture
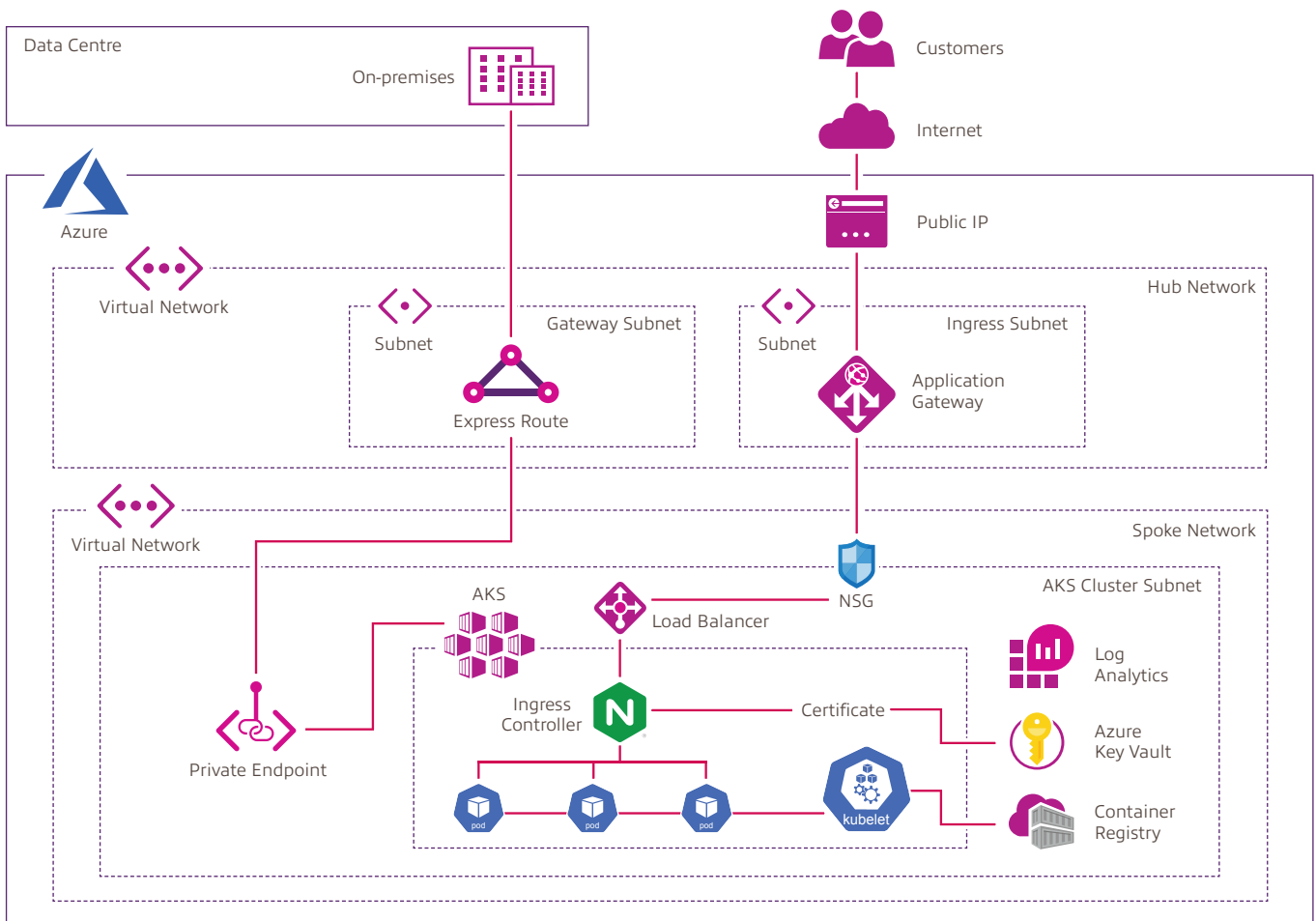
About Insight

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

1800 189 888 | au.insight.com

Insight