

# AKS Migration Assessment

A consulting package from Canonical, in partnership with Microsoft, to migrate applications to Microsoft Azure and Azure Kubernetes Service (AKS).

The AKS Migration Assessment package includes the discovery and analysis of key applications, the creation of a cloud-native strategy and a plan to migrate applications and data to the cloud. Together, we will define the best approach to achieve a smooth app transition to Azure and AKS.

## Optimise your cloud journey with Canonical

Canonical works with enterprises and innovators around the world to define and execute their cloud journeys. Digital transformation, cloud migration, application refactoring, cloud-specific image optimisation, support and managed services are some ways by which we have helped customers leverage Azure cloud services and hybrid infrastructure.

## The Brownfield Challenge

Traditional enterprise applications were built as monoliths, bundled together with their dependencies within physical or virtual servers. High coupling of components make automation and adoption of DevOps practices challenging. Day two operations, like high availability, scaling and upgrading, lack reliability and repeatability. Overlapping dependencies hinder new feature development. Resources utilization is opaque, leading to overprovisioning and high infrastructure costs. The microservices architecture has been designed to address these shortcomings, improve the developer experience and provide reliability and elasticity for critical business services.

## Migration assessment: planning and execution

Having a solid, application-centric cloud migration strategy is crucial. Canonical will help modernize your apps to be cloud-native and migrate them to AKS with the following approach:

- 1. Discovery:** Review the current state of infrastructure architecture where the application is operated. Identify the application dependencies from frameworks, libraries, and other services. Map out the application run time requirements. Explore existing operational practices and requirements for desirable enhancements and define goals.
- 2. Analysis:** Analyze the characteristics and requirements for the future state. Determine containerisation targets as well as 'lift and shift' modules. Identify component relationships and decoupling approaches. Evaluate open source components for reusability. Explore operations standardization.
- 3. Planning:** Define a strategy for the application migration. Determine a timeline for the implementation. Define technologies and open source components needed. Outline modernized application architecture. Deliver an estimate for the transition to AKS.

## Planning phases and activities

### Discovery

- Key applications and users
- Cloud strategy
- Application architecture
- Most used open source components
- Current infrastructure
- Data and storage policy
- Networking considerations
- Security
- Application operations

### Analysis

- Identify open source components to be migrated
- Containerisation targets vs 'lift and shift' VMs
- Service continuity during migration
- Data migration analysis
- Impact on application operations

### Deliverables

- Key applications re-architecture proposal
- High-level migration plan
- Outsourcing proposal with commercials
- Statement of work

# Efficient cloud migration with cloud-native apps on Azure and AKS

The AKS Migration Assessment is the perfect tool to assess your organisation's readiness to move its applications to cloud native platforms like AKS, and to plan and estimate costs for that process.

Canonical can also assist if you decide to proceed further, as the AKS Migration Assessment is also the first step in a wider cloud native application migration strategy. Canonical provides a full set of migration enablement services, assisting with the migration and then providing ongoing assistance either as a fully-managed service or as support for your operations team.



	Migration Assessment	Migration Assistance	Support	Managed
Service description	Cloud-native apps migration to Azure and AKS. 5 days delivery.	Assistance for the apps deployment to Azure and AKS	24/7 phone and ticket support	Fully managed open source components on AKS
Price	\$19,500	Request quote	Request quote	Request quote

## Contact us

For more information about a cloud-native apps migration to Azure and AKS, [contact us](#) or call direct (US Central) [+1 737 204 0291](tel:+17372040291) or (UK) [+44 203 656 5291](tel:+442036565291)