

AKS 5-Day Hackathon

A fast-paced 5-day Hackathon including application assessment, Azure best practices, and moving a workload to AKS



5 days



1-2 ALTOROS TRAINING INSTRUCTORS +
CUSTOMER TEAM

SERVICE FOCUS



K8s Enablement
App Modernization
Instructor-Led Training

DELIVERY METHOD



Onsite

TARGET AUDIENCE



Architects
Operators
DevOps engineers

PLATFORM



AKS

WHAT WILL BE COVERED

- Assessment of application containerization compatibility using CAST or Cloud Pilot
- Taking one of your applications and deploying it to Azure Kubernetes Service
- Covering Azure best practices, operations, development, security, and cost management

HOW WE WILL DO IT

- Fast-paced 5-day Hackathon including assessment, education and moving an app to AKS
- Pair-programming and whiteboard sessions with certified experts from Altoros
- Mentoring and guidance for your team on adopting Azure successfully
- Using tools and automation to accelerate the process
- Working closely together with your DevOps and Development teams throughout the entire process

AZURE SERVICES IN USE



- Azure Kubernetes Service
- Azure Container Registry
- Azure Resource Manager
- Azure DevOps, Terraform and Jenkins
- Azure Pipelines
- Azure Key Vault
- Azure Monitor
- Azure Log Analytics

Success with a Canadian based bank

PROBLEM	SOLUTION	BENEFIT	KEY FEATURES
<ul style="list-style-type: none">• Usage a third-party outdated API platform• Applications with monolithic architectures• Non-automated software delivery infrastructure	<ul style="list-style-type: none">• Containerization of applications inside Azure Kubernetes Service• Migration of 8 different key API services to Kubernetes• Infrastructure managed integration and management• Infrastructure-as-Code automation manual processes	<ul style="list-style-type: none">• Development life cycle of applications speed up• Ability to launch new products and scale faster• Easier operational management and maintainability• Increased observability with out-of-the-box monitoring, logging and security systems	<ul style="list-style-type: none">• Automated production-ready platform using Terraform modules• RBAC enabled to authenticate and authorize developers using Azure Active Directory• Helm and Tiller package management automatically installed and configured• Certificate Manager installed and configured using Digicert ACME• Private Ingress controller behind enterprise firewall• API applications containerized and migrated

Why Choose Altoros

- A CNCF-certified K8s service provider and training partner
- 32 K8s Engineers on staff, including 12 Certified Kubernetes Administrators
- 140+ engagements for Fortune 500 customers
- 392 employees, 85% engineering, zero outsourcing
- 9 K8s meetup groups founded with 2,258 total members
- 700+ professionals trained on Kubernetes in 2019-2020
- 100+ contributions to Free and Open-Source Software FOSS



**CLOUD NATIVE
COMPUTING FOUNDATION**

COMPANY TYPE:
Systems Integrator (SI)

MARKETS SERVED:
North America
EMEA
APAC

