

# Kubernetes Production-Grade MVP on Azure

Get a production-grade Kubernetes cluster integrated with key components to understand how it works and if it satisfies your functional, usability, performance, and compliance requirements



1 week



1 ALTOROS ARCHITECT +  
YOUR DEVELOPMENT TEAM

## SERVICE FOCUS

K8s Enablement  
App Modernization  
Training

## TARGET AUDIENCE

Developers  
Operators

## PLATFORM

Azure

ACTIVITIES	DELIVERABLES	OUTCOMES
<ul style="list-style-type: none"><li>• Technical sessions with the customer's team to discuss the deployment blueprint and help assess its suitability</li><li>• Modify the solution's documentation on demand</li><li>• Provision an Azure Kubernetes Service cluster, integrated with common production services</li><li>• Conduct a demo and a knowledge transfer session for the customer</li></ul>	<ul style="list-style-type: none"><li>• A Kubernetes cluster, delivered as Infrastructure-as-Code (IaC), and integrated with common services and taking into account common functional, security, and other requirements</li><li>• Knowledge transfer by consultant and documentation</li></ul>	<ul style="list-style-type: none"><li>• Interviews and requirements documentation are used to refine the requirements in relation to Kubernetes</li><li>• Kubernetes cluster is created and configured with integration and basic support for authentication, authorization, capacity planning, availability, monitoring and alerting, and logging</li><li>• Documents and instructions that cover the Kubernetes cluster and the created Kubernetes objects</li></ul>

## PRACTICES



Technical Sessions

## DELIVERY TOOLS



Video conferencing

Real-time chat

## LOGGING AND MONITORING

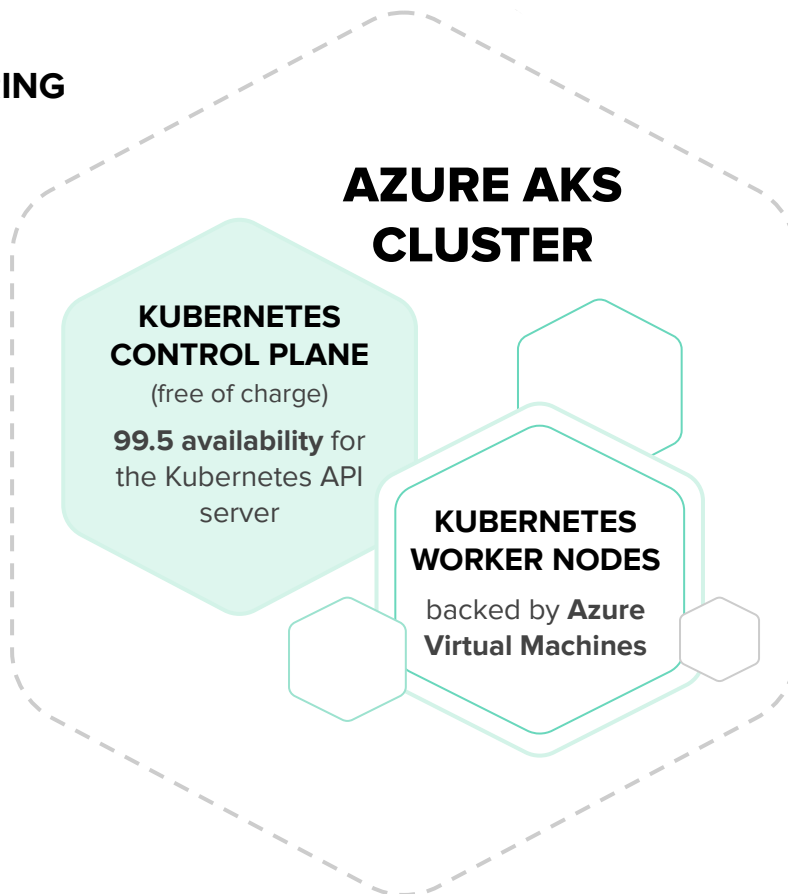
- Azure Monitor
- Azure Log Analytics
- Kubernetes Metrics Server  
(Kubernetes WEB UI)
- Prometheus
- Grafana

## NETWORKING

- Azure VNETs
- Azure Load Balancer
- Azure DNS
- Azure VPN Gateway

## STORAGE

- Azure Disk Account
- Azure Backups
- Azure Container Registry



## SECURITY

- Azure Active Directory
- Kubernetes RBAC policies
- Network Security Group
- Azure Policy

## CI/CD

- Azure DevOps
- Azure Pipelines
- Azure Repos
- Azure Functions
- Helm

## DATABASES

- Azure SQL Database
- Azure Cache for Redis
- Azure Cosmos DB
- Azure Database for MySQL

## Benefits

### DEVELOPERS

- Learn about built-in features of AKS to keep your applications highly available
- Understand the mechanisms that contribute to zero downtime for applications
- Explore a reproducible pattern that adheres to best practices
- Connect applications to backing services seamlessly
- Understand the monitoring configuration and rules for applications

### OPERATORS

- Automatically provision a highly available AKS cluster
- Automatically keep clusters and containers up to date
- Understand cluster monitoring
- Learn how to provide highly integrated services for your developers
- Get to know AKS management best practices
- Explore platform-provided security features

With the production-grade MVP, customers obtain fast access to a Kubernetes-based platform with the essential components incorporated in it

## 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

