

Azure Kubernetes Service (AKS) at Speed with Biqmind: 2-Day Workshop

Gold
Microsoft
Partner



Kubernetes has emerged as the leading container-orchestration platform for automating application deployment, scaling, and management. Enterprise users struggle with immature supporting tools, challenging security configuration, a steep learning curve and complicated infrastructure.

Azure Kubernetes Service (AKS) is a managed service offering on Azure by Microsoft. With AKS, you have a robust, hosted Kubernetes environment to easily deploy and manage your containerized applications without the need for deep container orchestration expertise.

This 2-day workshop will introduce how containers are deployed and managed on AKS and explore working on the platform. Participants of this workshop will gain theoretical knowledge and benefit from hands-on experience in Kubernetes design, deployment and management on Azure.

AGENDA

Day 1

- Introduction to Kubernetes and AKS
- Kubernetes high level architecture
- Configuration of sandbox environment on Microsoft Azure
- Overview of Kubernetes concepts
- Hands-on lab and exercises for creating Pod, Node, Deployment and Service

Day 2

- Concepts of environment variables, connectivity and storage on Kubernetes & AKS
- Hands-on lab and exercises on secrets, network policies and persistent volumes
- Concepts of stateful applications, logs, pod design in Kubernetes & AKS
- Hands-on lab and exercises on readiness and liveness probes, logging & monitoring, rolling updates & rollbacks in deployments

WHO SHOULD ATTEND

- Developers, Architects, DevOps teams
- Number of participants: Max 10
- Location: Customer premise or hosted

PREREQUISITES

- Basic knowledge of containers
- Knowledge of terminal clients and remote operations of Linux systems over SSH
- Access to a Microsoft Azure account
- Laptop for hands-on lab

WHY WORK WITH BIQMIND

Biqmind provides specialist services and software tools to accelerate cloud native software development through technologies including Biqmind CAPE, Kubernetes, and leading container platforms such as Red Hat OpenShift and Azure Kubernetes Service. We are a Microsoft Gold Partner, Red Hat APAC Business Partner for Professional Services and Cloud Native Computing Foundation (CNCF) Silver Member. We are also one of the first partners to be invited to participate in the Microsoft Cloud Native Acceleration Program.



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