Azure Kubernetes Service (AKS)

AKS allows you to quickly deploy a production ready Kubernetes cluster in Azure. Learn how to use AKS with these quickstarts, tutorials, and samples.

About Azure Kubernetes Service (AKS)

OVERVIEW

What is AKS?

CONCEPT

Kubernetes core concepts for AKS

Clusters and workloads

Access and identity

Security

Networking

Storage

Scale

LEARN

Introduction to Azure Kubernetes Service

Introduction to containers on Azure

Build and store container images with Azure Container Registry

Deploy an AKS cluster in 5 minutes

QUICKSTART

Azure CLI

Azure Portal

Resource Manager template

Develop and debug applications

QUICKSTART

Develop with Helm

Develop with Dapr

HOW-TO GUIDE

Use Bridge to Kubernetes with Visual Studio Code

Use Bridge to Kubernetes with Visual Studio

Architecture guidance

ARCHITECTURE

Baseline architecture

Baseline for microservices

Baseline for PCI-DSS 3.2.1

Baseline for multiregion

Day-2 operations guide

Best practices for cluster operators and developers

Other AKS solutions

Deploy, manage, and update applications

TUTORIAL

1. Prepare an application for AKS

2. Deploy and use Azure Container Registry

3. Deploy an AKS cluster

4. Run your application

5. Scale applications

6. Update an application

7. Upgrade Kubernetes in AKS

Extend the capabilities of your cluster

CONCEPT

Open Service Mesh add-on

Dapr cluster extension

Cluster extensions