

Azure Local: Deployment, Azure Arc & AKS Workloads

Learn to deploy, manage and troubleshoot Azure Local, from Azure Arc registration to AKS workloads, networking and security.

3 Days

24 HOURS

7

MODULES

29

TOPICS

6

HANDS-ON ACTIVITIES

COURSE OVERVIEW

This course provides a comprehensive understanding of Azure Local, covering deployment, workload management, networking, security, monitoring, and troubleshooting. The hands-on sessions will ensure participants gain practical experience in deploying and managing Azure Local environments effectively.

WHO THIS COURSE IS FOR

Who Should Attend?

IT Administrators & System Engineers

Cloud Architects & DevOps Engineers

Azure Professionals managing hybrid workloads

PREREQUISITES

- Basic knowledge of Azure services
- Familiarity with virtualization, networking, and storage

LEARNING OBJECTIVES

- Describe Azure Local features and differences from Azure Stack HCI
- Identify the compute, networking and storage components of Azure Local
- Deploy Azure Local and register it with Azure Arc
- Manage workloads such as VMs, AKS clusters and Azure Virtual Desktop
- Configure monitoring and alerts using Azure Insights
- Implement security best practices with Microsoft Defender for Cloud
- Configure networking for hybrid connectivity in Azure Local
- Analyse logs to troubleshoot deployment and operational issues

7 Modules, 29 Topics

DAY 1 Introduction & Deployment of Azure Local

8 hours

01

Introduction to Azure Local

TOPICS

- What is Azure Local?
- Key features and use cases
- Differences between Azure Local, Azure Stack HCI, and Azure Arc
- Understanding hybrid cloud capabilities

02

Hands-on

Azure Local Architecture & Core Components

TOPICS

- Compute, Networking, and Storage in Azure Local
- Hybrid capabilities and integration with Azure services
- Security considerations and compliance

03

Hands-on

Deploying Azure Local

TOPICS

System requirements and prerequisites · Installation and configuration process · Registering with Azure Arc · Troubleshooting deployment issues

DAY 2 Workload Management, Monitoring & Security

8 hours

04

Hands-on

Managing Workloads on Azure Local

TOPICS

- Deploying and managing Virtual Machines (VMs)
- Running Azure Kubernetes Service (AKS) on Azure Local
- Using Azure Virtual Desktop (AVD) on Azure Local
- Managing workloads using Azure Arc

05**Hands-on**

Monitoring & Security in Azure Local

TOPICS

- Monitoring Azure Local using Azure Insights
- Enabling Insights at scale for workload health monitoring
- Understanding alerts and troubleshooting performance issues
- Implementing security best practices in Azure Local
- Integrating with Microsoft Defender for Cloud

DAY 3

Advanced Management, Networking & Troubleshooting

8 hours

06**Hands-on**

Networking in Azure Local

TOPICS

- Understanding Azure Local networking architecture
- Network configurations and connectivity options
- Integrating with on-prem and cloud networks
- Networking best practices for hybrid deployments

07**Hands-on**

Advanced Management & Troubleshooting

TOPICS

- Scaling Azure Local deployments
- Managing and adding new nodes
- Collecting and analyzing logs for troubleshooting
- Common deployment and operational issues
- Accessing Microsoft support for issue resolution

Practise What You Learn

#	MODULE	ACTIVITY
02	Azure Local Architecture & Core Components	Exploring Azure Local in the Azure Portal
03	Deploying Azure Local	Deploying Azure Local and registering with Azure Arc
04	Managing Workloads on Azure Local	Deploying a workload (VM or AKS cluster) on Azure Local
05	Monitoring & Security in Azure Local	Setting up monitoring and security policies for Azure Local
06	Networking in Azure Local	Configuring and testing network connectivity in Azure Local
07	Advanced Management & Troubleshooting	Diagnosing and resolving common Azure Local issues

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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