



MICROSOFT AZURE

ENTRA ID . VIRTUAL MACHINES
APP SERVICE . FUNCTIONS .
MONITOR . DEFENDER . COST

DURATION	LEVEL	MODULES	MODE
60 Hours	Beginner to Advanced	8	Classroom · Online · Hybrid

01 COURSE OVERVIEW

An Azure course covering identity, compute, networking, data and platform services on the Microsoft cloud. The course starts with subscriptions, resource groups and Entra ID, then works through virtual machines, networking, storage, App Service, Functions, SQL Database and Kubernetes, closing with governance, monitoring and cost management.

Every module is configured in the portal and repeated with Azure CLI or Bicep.

WHO IT IS FOR

- Windows and system administrators
- .NET and web developers
- IT professionals on Microsoft stacks
- Graduates preparing for AZ-104 or AZ-204

PREREQUISITES

Basic networking and Windows administration. Some scripting is helpful.

02 LEARNING OUTCOMES

01 Organise subscriptions, resource groups and tags.

03 Deploy and secure virtual machines and disks.

05 Host applications on App Service and Functions.

07 Monitor, govern and control spend across a subscription.

02 Manage identity and access with Entra ID and RBAC.

04 Design virtual networks, peering and private endpoints.

06 Run containers on Azure Kubernetes Service.

03 MODULE STRUCTURE

8 MODULES

01 AZURE FOUNDATIONS

Global infrastructure

Resource groups

Pricing and SLAs

Subscriptions and management groups

ARM

Portal, CLI and Cloud Shell

02 IDENTITY AND GOVERNANCE

Entra ID

RBAC

Policy

Blueprints overview

Users and groups

Conditional access basics

Locks and tags

LAB

RBAC ASSIGNMENT

03 COMPUTE

VM sizes and images

Managed disks

Backup

LAB

HIGHLY AVAILABLE VM PAIR

Availability sets and zones

Scale sets

Bastion

04 NETWORKING

Virtual networks and subnets

Load Balancer

VPN and ExpressRoute

DNS

LAB

HUB-AND-SPOKE NETWORK

NSGs

Application Gateway

Private Link

05 STORAGE AND DATA

Storage accounts

Files

Azure SQL Database

Backups and geo-redundancy

LAB

BLOB LIFECYCLE AND SQL DEPLOYMENT

Blob tiers

Queues

Cosmos DB basics

06 APP PLATFORM

App Service plans

Functions and triggers

API Management basics

LAB

WEB APP WITH STAGING SLOT

Deployment slots

Logic Apps

Container Apps

07 CONTAINERS AND AKS

Container Registry

Node pools

Ingress

AKS cluster basics

Deployments and services

Scaling

LAB

DEPLOY TO AKS

08 MONITORING, SECURITY AND COST

Azure Monitor

Alerts

Defender for Cloud

Cost Management

Log Analytics

Application Insights

Key Vault

PROJECT

GOVERNED, MONITORED AZURE ENVIRONMENT

04 ASSESSMENT & CERTIFICATION

Module assignments and labs	25%
Mini projects	20%
Internal assessments	15%
Final project and review	40%

CERTIFICATION

Learners who complete all modules, submit the final project and clear the review receive a course completion certificate from Kaizen Infinities Private Limited. Project work is documented for the learner's portfolio, and interview preparation is included in the closing sessions.

05 CAREER OUTCOMES

ROLES THIS PROGRAMME PREPARES FOR

AZURE CLOUD ENGINEER

AZURE ADMINISTRATOR

DEVOPS ENGINEER

CLOUD SOLUTION ARCHITECT

INFRASTRUCTURE ENGINEER

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