



AZ-104T00: Microsoft® Azure® Administrator

Duration: 4 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Certification: Microsoft Certified: Azure Administrator Associate —
Exam: AZ-104: Microsoft Azure Administrator

Course Description

This course teaches participants how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create, and scale virtual machines, implement web apps and containers, back up and share data, and monitor their solution.

Target Audience

This course is intended for:

- Azure Administrators
- IT Professionals who want to learn to implement, manage, and monitor identity, governance, storage, compute, and virtual networks in a cloud environment.

Prerequisites

To attend this course, candidates must understand:

- On-premises virtualization technologies, including VMs, virtual networking, and virtual hard disks.
- Network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.
- Active Directory concepts, including users, groups, and role-based access control.
- Resilience and disaster recovery, including backup and restore operations.

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Manage Azure identities and governance.
- Implement and manage storage.
- Deploy and manage Azure compute resources.
- Configure and manage virtual networking.
- Monitor and back up Azure resources.



Course Topics

Module 1: Identity

- Azure Active Directory
- Users and Groups

Module 2: Governance and Compliance

- Subscriptions and Accounts
- Azure Policy
- Role-Based Access Control (RBAC)

Module 3: Azure Administration

- Azure Resource Manager
- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- ARM Templates

Module 4: Virtual Networking

- Virtual Networks
- IP Addressing
- Network Security Groups
- Azure Firewall
- Azure DNS

Module 5: Intersite Connectivity

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN

Module 6: Network Traffic Management

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway

Module 7: Azure Storage

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage

Module 8: Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions

Module 9: Serverless Computing

- Azure App Service Plans
- Azure App Service
- Container Services
- Azure Kubernetes Service

Module 10: Data Protection

- File and Folder Backups
- Virtual Machine Backups

Module 11: Monitoring

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher

LABS INCLUDED

