

AZ - 104 : Microsoft Azure Administrator

Course Outline

Module 1: Identity

Lessons:

- Azure Active Directory
- Users and Groups

Lab: Manage Azure Active Directory Identities

Module 2: Governance and Compliance

Lessons:

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

Lab: Manage Subscriptions and RBAC

Lab: Manage Governance via Azure Policy

Module 3: Azure Administration

Lessons:

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

Lab: Manage Azure resources by Using the Azure Portal

Lab: Manage Azure resources by Using ARM Templates

Lab: Manage Azure resources by Using Azure PowerShell

Lab: Manage Azure resources by Using Azure CLI

Module 4: Virtual Networking

Lessons:

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

Lab: Implement Virtual Networking

Module 5: Intersite Connectivity

Lessons:

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

Lab: Implement Intersite Connectivity

Module 6: Network Traffic Management

Lessons:

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

Lab: Implement Traffic Management

Module 7: Azure Storage

Lessons:

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

Lab: Manage Azure Storage

Module 8: Azure Virtual Machines

Lessons:

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

Lab: Manage Virtual Machines

Module 9: Serverless Computing

Lessons:

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

Lab: Implement Web Apps

Lab: Implement Azure Container Instances

Lab: Implement Azure Kubernetes Service

Module 10: Data Protection

Lessons:

- File and Folder Backups
- Virtual Machine Backups

Lab: Implement Data Protection

Module 11: Monitoring

Lessons:

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

Lab: Implement Monitoring