

# AZURE



## COURSE CURRICULUM

### MODULE 1: AZURE ADMINISTRATION

In this module, you'll learn about tooling Azure Administrator uses to manage their infrastructure. This includes the Azure Portal, Cloud Shell, Azure PowerShell, CLI, Resource Manager, and Resource Manager Templates. The demonstrations in this module will ensure you are successful in the course labs.

#### LESSONS

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

### MODULE 2: AZURE VIRTUAL MACHINES

In this module, you'll learn about Azure virtual machines including planning, creating, availability and extensions.

#### LESSONS

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

### LAB : DEPLOY AND MANAGE VIRTUAL MACHINES

### LAB : VIRTUAL MACHINES AND SCALE SETS

### MODULE 3: AZURE STORAGE

In this module, you'll learn about basic storage features including storage accounts, blob storage, Azure files, and storage security.

#### LESSONS

- Storage Accounts
- Azure Blobs
- Azure Files
- Storage Security

### LAB : IMPLEMENT AND MANAGE STORAGE

### MODULE 4: VIRTUAL NETWORKING

In this module, you'll learn about basic virtual networking concepts like virtual networks, IP addressing, Azure DNS, and network security groups.

#### LESSONS

- Virtual Networks
- IP Addressing and Endpoints
- Azure DNS
- Network Security Groups

## LAB : CONFIGURE AZURE DNS

### MODULE 5: INTERSITE CONNECTIVITY

In this module, you'll learn about intersite connectivity features including VNet Peering, VNet-to-VNet connections, Site-to-Site Connections, and ExpressRoute.

#### LESSONS

- VNet Peering
- VNet-to-VNet Connections
- ExpressRoute Connections

## LAB : VNET PEERING AND SERVICE CHAINING

### MODULE 6: MONITORING

In this module, you'll learn about monitoring your Azure infrastructure including Azure Monitor, alerting, log analytics, and Network Watcher.

#### LESSONS

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

## LAB : NETWORK WATCHER

### MODULE 7: DATA PROTECTION

In this module, you'll learn about data replication strategies, backing up files and folders, and virtual machine backups.

#### LESSONS

- Data Replication
- File and Folder Backups
- Virtual Machine Backups

## LAB : AZURE SITE RECOVERY BETWEEN REGIONS

### MODULE 8: NETWORK TRAFFIC MANAGEMENT

In this module, you'll learn about network traffic strategies including service endpoints, network routing, Azure Load Balancer, and Azure Traffic Manager.

#### LESSONS

- Network Routing
- Azure Load Balancer
- Azure Traffic Manager

## LAB : LOAD BALANCER AND TRAFFIC MANAGER

### MODULE 9: AZURE ACTIVE DIRECTORY

In this module, you'll learn about Azure Active Directory (AD) including Azure AD Connect and Azure AD Join.

#### LESSONS

- Azure Active Directory
- Azure AD Connect
- Azure AD Join

## LAB : IMPLEMENT DIRECTORY SYNCHRONIZATION

### MODULE 10: SECURING IDENTITIES

In this module, you'll learn how to secure identities including Multi-Factor Authentication, Azure AD Identity Protection, and Self-Service Password Reset.

## LESSONS

- Multi-Factor Authentication
- Azure AD Identity Protection
- Self-Service Password Reset

### LAB : AZURE AD IDENTITY PROTECTION LAB : SELF-SERVICE PASSWORD RESET

## MODULE 11: GOVERNANCE AND COMPLIANCE

In this module, you'll learn about managing your subscriptions and accounts including rolebased access control, users and groups, and Azure policy.

## LESSONS

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

### LAB : ROLE-BASED ACCESS CONTROL LAB : GOVERNANCE AND COMPLIANCE

## MODULE 12: DATA SERVICES

In this module, you'll learn how to effectively share data using Import and Export service, Data Box, Content Delivery Network, and File Sync.

## LESSONS

- Content Delivery Network
- File Sync
- Import and Export Service
- Data Box

### LAB : FILE SYNC

Partners :



edexcel

Java



development | consultancy | training

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