

## **AZ-104: Microsoft Azure Administrator**

### *Course objectives*

Module 1: Identity

Module 2: Governance and Compliance

Module 3: Azure Administration

Module 4: Virtual Networking

Module 5: Inter-site Connectivity

Module 6: Network Traffic Management

Module 7: Azure Storage

Module 8: Azure Virtual Machines

Module 9: Serverless Computing

Module 10: Data Protection

Module 11: Monitoring

### *Audience*

This course is for Azure Administrators. The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources as appropriate.

### *Prerequisite*

Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.

Understanding on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.

Understanding network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.

Understanding Active Directory concepts, including users, groups, and role-based access control.

Understanding resilience and disaster recovery, including backup and restore operations.

## Customised IT and Soft Skills training to suit your needs

### *Duration*

This is a **four-day AZ-104: Microsoft Azure Administrator** Course. The course starts at **09:30** and runs until **16:30**.

**Alternate timings** can be arranged upon request. The course can be held on a **date that suits you**.

### *Location*

Our **AZ-104: Microsoft Azure Administrator** course can be run at **our training venue** near **Liverpool Street (London)** or any preferred location in the **UK or Europe**. The training can also be **delivered Online Remotely using online training platforms**.

## Customised IT and Soft Skills training to suit your needs

### AZ-104: Microsoft Azure Administrator Course Outline

#### Module 1: Identity

Azure Active Directory

Users and Groups

Lab : Manage Azure Active Directory Identities

#### Module 2: Governance and Compliance

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

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 (optional)

Lab : Manage Azure resources by Using Azure CLI (optional)

#### Module 4: Virtual Networking

Virtual Networks

IP Addressing

Network Security groups

Azure Firewall

Azure DNS

Lab : Implement Virtual Networking

#### Module 5: Inter-site Connectivity

VNet Peering

VPN Gateway Connections

ExpressRoute and Virtual WAN

Lab : Implement Inter-site Connectivity

#### Module 6: Network Traffic Management

Network Routing and Endpoints

Azure Load Balancer

Azure Application Gateway

Lab : Implement Traffic Management

#### Module 7: Azure Storage

Storage Accounts

Blob Storage

Storage Security

Azure Files and File Sync

Managing Storage

Lab : Manage Azure storage

## Customised IT and Soft Skills training to suit your needs

### Module 8: Azure Virtual Machines

Virtual Machine Planning

Creating Virtual Machines

Virtual Machine Availability

Virtual Machine Extensions

Lab : Manage virtual machines

### Module 9: Serverless Computing

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

File and Folder Backups

Virtual Machine Backups

Lab : Implement Data Protection

### Module 11: Monitoring

Azure Monitor

Azure Alerts

Log Analytics

Network Watcher

Lab : Implement Monitoring