

**ICT and Security Management**

# Microsoft Azure Administrator

Prepared as a professional course profile for delegate review, sponsorship approval and organisational training planning.

COURSE CODE

**MSD2837**

DELIVERY

**Online / Face-to-Face**

DURATION

**Flexible**

PREPARED FOR

**Organisation Approval**[Register for this Course](#)[View Online Course Page](#)

## Course Overview

In this course you will learn how to manage 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 your solution.

MSDI Azure Administrator training provides you with a deep understanding of the entire administrative lifecycle in Azure environments. This Azure course shows you how to maintain services related to computing, storage, network, and security. Enhance your Azure Administrator skills and prepare to ace the AZ-104 Azure Administrator exam.

## Course Outcomes

- This list contains the skills measured on the exam associated with this certification
- Manage Azure identities and governance
- Implement and manage storage
- Deploy and manage Azure compute resources
- Configure and manage virtual networking
- Monitor and maintain Azure resources



# Course Outline / Curriculum

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## Module 1: Identity

In this module, you will learn how to secure identities with Azure Active Directory, and implement users and groups.

### Lessons

- Azure Active Directory
- Users and Groups

## Module 2: Governance and Compliance

In this module, you will learn about managing your subscriptions and accounts, implementing Azure policies, and using Role-Based Access Control.

### Lessons

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

## Module 3: Azure Administration

In this module, you will learn about the tools Azure Administrator uses to manage their infrastructure. This includes the Azure Portal, Cloud Shell, Azure PowerShell, CLI, and Resource Manager Templates. This module includes:

### Lessons

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

## Module 4: Virtual Networking

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

### Lessons

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

## Module 5: Intersite Connectivity

In this module, you will learn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site Connections.

### **Lessons**

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

## **Module 6: Network Traffic Management**

In this module, you will learn about network traffic strategies including network routing and service endpoints, Azure Load Balancer, and Azure Application Gateway.

### **Lessons**

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

## **Module 7: Azure Storage**

In this module, you will learn about basic storage features including storage accounts, blob storage, Azure files and File Sync, storage security, and storage tools.

### **Lessons**

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

## **Module 8: Azure Virtual Machines**

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

### **Lessons**

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

## **Module 9: Serverless Computing**

In this module, you will learn how to administer serverless computing features like Azure App Service, Azure Container Instances, and Kubernetes.

## Lessons

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

## Module 10: Data Protection

In this module, you will learn about backing up files and folders, and virtual machine backups.

## Lessons

- File and Folder Backups
- Virtual Machine Backups

## Module 11: Monitoring

In this module, you will learn about monitoring your Azure infrastructure including Azure Monitor, alerting, and log analytics.

## Lessons

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

## Target Audience

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Microsoft InfoPath

## Key Course Benefits

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### Work-Ready Skills

Delegates leave with practical tools, templates and methods they can apply immediately at work.

### Better Institutional Results

The programme supports stronger planning, reporting, compliance, accountability and service delivery.

### Sponsor-Friendly

This document is designed to help supervisors, HR units and sponsors approve delegate participation quickly.

### Professional Recognition

Delegates receive training documentation and a certificate of completion after successful participation.

# Our Training Centres & Delivery Options

Magna Skills offers flexible delivery through face-to-face training centres across Africa and beyond, plus Online / E-Learning for delegates who prefer remote participation.

## Southern Africa

Practical training destinations with strong travel access and delegate support.

Pretoria, South Africa Vic Falls, Zimbabwe

Livingstone, Zambia

## East Africa

Popular regional centres for government, NGO and donor-funded project teams.

Kigali, Rwanda Kampala, Uganda Nairobi

Zanzibar, Tanzania

## West Africa & Islands

Strategic locations for regional networking and executive capacity building.

Accra, Ghana Port Louis, Mauritius

## International Executive Venue

Premium destination training for senior teams and international delegates.

Dubai, United Arab Emirates

## Online / E-Learning

Attend from anywhere through live online, blended or self-paced learning options.

Online, E-Learning Remote Teams Flexit

## Organisation-Based Training

Magna Skills can also arrange dedicated in-house training for ministries, NGOs and companies.

Onsite Custom Dates Group Training

## Ready to Nominate Delegates?

Use the links below to register, review the live course page or contact Magna Skills for organisation-based training support.

[Register / Apply Online](#)

[View Full Course Page](#)

## About Magna Skills

Magna Skills Development Institute provides practical capacity building programmes for government departments, NGOs, public institutions, donor-funded projects and private sector professionals across Africa. Our training approach combines expert facilitation, real workplace case studies, practical tools, post-training support and professional documentation that helps organisations strengthen staff performance and service delivery.

Government Training

NGO Capacity Building

Corporate Workshops

Online Learning

Face-to-Face Training

Certifica

## Approval & Authorisation Form

This section may be completed by the organisation, department, HR office, finance office or sponsor approving delegate participation. It can be attached to an internal memo, procurement request or training approval submission.

<b>Organisation / Department</b>	
<b>Delegate Name(s)</b>	
<b>Approved Course</b>	Microsoft Azure Administrator
<b>Preferred Delivery Mode</b>	<input type="checkbox"/> Online <input type="checkbox"/> Face-to-Face <input type="checkbox"/> Organisation-Based Training
<b>Preferred Training Venue / Date</b>	
<b>Estimated Number of Delegates</b>	
<b>Budget / Vote Number</b>	
<b>Contact Person</b>	
<b>Email / Mobile</b>	

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Authorised Name

\_\_\_\_\_  
Signature / Stamp

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Date