

# € TRAINING

Microsoft Azure Administrator

29 December 2024 -  
2 January 2025  
Cairo (Egypt)



# Microsoft Azure Administrator

REF: B1799 DATE: 29 December 2024 - 2 January 2025 Venue: Cairo (Egypt) - Fee: 4095 Euro

## Introduction:

This program is designed to prepare participants for the certification exam only.

This training program provides participants with essential skills and knowledge for administering Microsoft Azure environments. It empowers them to manage Azure resources effectively, implement security measures, and optimize performance for cloud-based services.

## Program Objectives:

At the end of this program, participants will be able to:

- Manage and configure Azure resources and services.
- Implement and monitor security solutions in Azure.
- Optimize and troubleshoot Azure performance.
- Manage data storage solutions within Azure.
- Prepare for the Microsoft Azure Administrator certification exam.

## Targeted Audience:

- Azure Administrators.
- IT Professionals.
- System Administrators.
- Cloud Solutions Architects.
- IT Managers.

## Program Outline:

### Unit 1:

#### Azure Infrastructure Management:

- Overview of Azure Resource Manager ARM and management tools.
- Creating and managing Azure resource groups and subscriptions.

- Deploying and managing virtual machines VMs in Azure.
- Configuring and managing virtual networks and network interfaces.
- Implementing and managing Azure DNS and network security groups NSGs.

## Unit 2:

### Azure Identity and Access Management:

- Configuring Azure Active Directory AD and managing users and groups.
- Implementing and managing role-based access control RBAC.
- Configuring Multi-Factor Authentication MFA for enhanced security.
- Managing and integrating on-premises Active Directory with Azure AD.
- Implementing and managing Azure AD Connect for hybrid identities.

## Unit 3:

### Azure Storage Solutions:

- Overview of Azure Storage accounts and services.
- Implementing and managing Blob storage, File storage, and Disk storage.
- Configuring Azure Storage replication and redundancy options.
- Implementing Azure Backup and Recovery Services for data protection.
- Securing and monitoring Azure Storage with access controls and logging.

## Unit 4:

### Azure Monitoring and Performance Management:

- Configuring and using Azure Monitor for resource monitoring and alerts.
- Implementing and managing Azure Log Analytics for performance analysis.
- Monitoring and optimizing Azure application performance with Application Insights.
- Configuring and managing Azure Automation for task automation.
- Implementing cost management and resource optimization strategies.



## Unit 5:

### Azure Security and Compliance:

- Implementing Azure Security Center for threat detection and response.
- Configuring Azure Key Vault for managing secrets and encryption keys.
- Implementing network security solutions, including Azure Firewall and DDoS protection.
- Managing Azure policies and compliance with regulatory standards.
- Conducting security assessments and audits using Azure tools.

Note: This program is designed to prepare participants for the certification exam only.