

# € TRAINING

AZ 500 Microsoft Azure Security  
Technologies

19 - 23 January 2025  
Cairo (Egypt)





# AZ 500 Microsoft Azure Security Technologies

REF: B1798 DATE: 19 - 23 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 advanced skills and knowledge to implement and manage security controls, maintain the security posture, and identify and remediate vulnerabilities in Microsoft Azure environments. It empowers them to ensure robust security for Azure resources and data.

## Program Objectives:

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

- Implement and manage identity and access solutions in Azure.
- Implement platform protection and manage security operations.
- Secure data and applications within Azure environments.
- Monitor and maintain Azure security posture.
- Prepare for the AZ-500 Microsoft Azure Security Technologies certification exam.

## Targeted Audience:

- Azure Security Engineers.
- IT Security Professionals.
- Cloud Security Architects.
- IT Managers and Consultants.
- Personnel preparing for the AZ-500 certification.

## Program Outline:

### Unit 1:

#### Managing Identity and Access:

- Configuring Azure Active Directory AD for secure identity management.
- Implementing and managing hybrid identities with Azure AD Connect.

- Managing Azure AD roles, users, and groups.
- Configuring Multi-Factor Authentication MFA for enhanced security.
- Implementing conditional access policies and identity protection.

## Unit 2:

### Implementing Platform Protection:

- Configuring network security groups NSGs and application security groups ASGs.
- Implementing Azure Firewall and Azure DDoS Protection.
- Configuring and managing Azure Bastion for secure remote access.
- Implementing security for Azure Virtual Machines VMs and virtual networks.
- Managing Azure Security Center for threat detection and response.

## Unit 3:

### Securing Data and Applications:

- Implementing Azure Key Vault for managing keys, secrets, and certificates.
- Configuring and managing encryption for Azure data at rest and in transit.
- Implementing data masking and data loss prevention DLP strategies.
- Securing Azure Storage accounts and databases.
- Managing security for Azure App Services and containerized applications.

## Unit 4:

### Managing Security Operations:

- Configuring and managing Azure Monitor for security monitoring.
- Implementing and managing Azure Sentinel for security information and event management SIEM.
- Configuring and managing Azure Log Analytics for security insights.
- Implementing security incident response and management.
- Conducting security assessments and audits using Azure tools.



## Unit 5:

### Monitoring and Maintaining Security Posture:

- Implementing and managing Azure Policy for security compliance.
- Configuring and managing Azure Blueprints for governance and compliance.
- Monitoring and managing Azure Security Center recommendations.
- Implementing continuous security monitoring and vulnerability management.
- Reporting and managing compliance with regulatory requirements.
- Prepare for the certification exam.

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