

€ TRAINING

Course: AZ-500 Microsoft Azure Security
Technologies





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Introduction

This course provides IT Security Professionals with the knowledge and skills needed to implement security controls, maintain an organization's security posture, and identify and remediate security vulnerabilities. This course includes security for identity and access, platform protection, data and applications, and security operations.

Course Objectives

At the end of this course the participants will be able to:

- Manage Azure identity and access
- Implement Azure platform protection
- Manage Azure security operations
- Secure data and applications on Azure
- Manage resource group security
- Configure vulnerability scanning
- Configure subscription and resource permissions

Targeted Audience

- Engineers who are planning to take the associated certification exam, or who are performing security tasks in their day-to-day job
- An engineer that wants to specialize in providing security for Azure-based digital platforms and play an integral role in protecting an organization's data.
- IT professionals who want to become Azure Security Engineers
- IT professionals preparing for Microsoft's AZ-500 exam

Course Outline

Unit 1:

- Introduction
- Microsoft Azure Defence in Depth - All credits to Microsoft
- How to Set up Free LAB
- Azure Free Trail - How to get a free Trail

Unit 2:

- Azure Active Directory
- AAD Connect
- Manage Azure Identity and access
- Configuring Azure Active Directory for Workloads
- Authentication Options - Choose the Right Authentication Method For your Azure
- Multi-Factor Authentication

Unit 3:

- Azure Active Directory Privilege Identity Management
- Transfer Billing ownership of an Azure subscription
- Azure Key Vault
- Platform Protection
- Azure Virtual Network VNet
- Network Security Groups NSGs

Unit 4:

- Security Update for Azure Services and VMs
- Securing Azure Resources
- Azure Container Security
- Create Azure Container Registry -CLI and Portal
- Azure Monitoring
- Create Log Analytics Workspace -Work with Log Search

Unit 5:

- Security for Data Infrastructure, SQL, Storage
- Secure Data and Applications
- Implementing Security Validations for Application Development
- Set up availability tests for any HTTP or HTTPS endpoint - Synthetic Security