

# Course AZ-500

## Microsoft Azure Security Technologies

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**Duration: 4 days**

**Training Mode: Live Virtual and Classroom**

**Level: Intermediate**

**Language: English**

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## **Course Objective**

In this course students will gain the knowledge and skills needed to implement security controls, maintain the security posture, and identify and remediate vulnerabilities by using a variety of security tools. The course covers scripting and automation, virtualization, and cloud N-tier architecture.

## **Audience profile**

Students should have at least one year of hands-on experience securing Azure workloads and experience with security controls for workloads on Azure.

**Job role:** Security Engineer

**Preparation for exam:** [AZ-500](#)

## **Skills gained**

- Describe specialized data classifications on Azure
- Identify Azure data protection mechanisms
- Implement Azure data encryption methods
- Secure Internet protocols and how to implement them on Azure
- Describe Azure security services and features

## **Prerequisites**

[Microsoft Azure Administrator Associate](#)

## **Course outline**

## **Module 1: Identity and Access**

### **Lessons**

- Configure Azure Active Directory for Azure workloads and subscriptions
- Configure Azure AD Privileged Identity Management
- Configure security for an Azure subscription

## **Module 2: Platform Protection**

### **Lessons**

- Understand cloud security
- Build a network
- Secure network
- Implement host security
- Implement platform security
- Implement subscription security

## **Module 3: Security Operations**

### **Lessons**

- Configure security services
- Configure security policies by using Azure Security Center
- Manage security alerts
- Respond to and remediate security issues
- Create security baselines

## **Module 4: Data and applications**

### **Lessons**

- Configure security policies to manage data
- Configure security for data infrastructure
- Configure encryption for data at rest
- Understand application security
- Implement security for application lifecycle
- Secure applications
- Configure and manage Azure Key Vault