# Azure Security Engineer Learning Pathway

www.aka.ms/pathways

## Getting Started

Responsibilities for an Azure Security Engineer include managing the security posture, identifying and remediating vulnerabilities, performing threat modelling, implementing threat protection, and responding to security incident escalations.

### Security Documentation

- Microsoft Trust Centre
- Compliance
- Microsoft Defender for Cloud overview
- Azure Monitor Overview
- Introduction to Azure security
- Introduction to key Azure network security services
- Microsoft Security Blog
- Microsoft Security YouTube Channel
- Privacy & data management overview

### Security Engineer Skill Assessment

Unlock Your Potential as a Security Engineer or Elevate Your Skills! Take our exclusive assessment to discover your strengths, uncover growth opportunities, and receive personalized learning path recommendations. Supercharge your career today!.

**Click Here**

## Learning Paths from Microsoft Learn

**Implement resource management security in Azure**
Learn how to secure resources using policy, role-based access control, and other Azure services.
START

**Architect secure infrastructure in Azure**
earn about the tools and services available on Azure to ensure your resources are secure.
START

**Manage identities and governance in Azure**
Learn how to manage Azure Active Directory objects, role-based access control (RBAC), subscriptions, and governance in Azure.
START

**Secure your cloud data**
Azure was designed for security and compliance. Learn how to leverage the built-in services to store your app data securely to ensure that only authorized services and clients have access to it.
START

**Microsoft Azure Well-Architected Framework – Security**
Learn how to incorporate security into your architecture design, and Discover the tools that Azure provides to help you create a secure environment.
START

**Secure Azure AI services**
Securing Azure AI services can help prevent data loss and privacy violations for user data that may be a part of the solution.
START

**Microsoft Applied Skill**
Implement security through a pipeline using Azure DevOps
START

**Manage identity and access in Microsoft Entra ID**
Learn how to work with subscriptions, users, and groups by configuring Microsoft Entra ID for workloads.
START

**Microsoft Applied Skill**
Secure Azure services and workloads with Microsoft Defender for Cloud regulatory compliance controls
START

## Role Based Certification

**Azure Security Engineer**

**AZ-500 Microsoft Azure Security Technologies**

**Skills measured**
- Secure identity and access
- Secure networking
- Secure compute, storage, and databases
- Secure Azure using Microsoft Defender for Cloud and Microsoft Sentinel

**Microsoft Learn**
- Secure Identity and Access
- Secure networking
- Secure compute, storage, and databases
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Course Page

Practice Assessment

Video on Demand

Exam Study Guide

Exam Page

## Microsoft Learn/Documentation

- Threat Modeling Security Fundamentals
- Secure your infrastructure with threat modelling
- Manage identity and access in Microsoft Entra ID
- Implement Windows Server IaaS VM Identity
- Azure security best practices and patterns
- Develop a security and compliance plan

**Security Documentation**

**Microsoft Learn Security Hub**