

CertKit: Microsoft AZ-500: Microsoft Azure Security Technologies

In this CertKit 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 CertKit covers scripting and automation, virtualization, and cloud N-tier architecture.

Prerequisites:

Before attending this course, students must have knowledge of Microsoft Azure Administrator Associate as defined in the AZ-104 certification.

Course outcome:

- Implement enterprise governance strategies incl. role-based access control, Azure policies, resource locks.
- Implement an Azure AD infrastructure including users, groups, and multi-factor authentication.
- Implement Azure AD Identity Protection including risk policies, conditional access, and access reviews.
- Implement Azure AD Privileged Identity Management including Azure AD roles and Azure resources.
- Implement Azure AD Connect including authentication methods and on-premises directory synchronization.
- Implement perimeter security strategies including Azure Firewall.
- Implement network security strategies including Network Security Groups and Application Security Groups.
- Implement Azure Key Vault including certificates, keys, and secrets.
- Implement application security strategies incl. app registration, managed identities, and service endpoints.
- Implement storage security strategies incl. shared access signatures, and Azure Files authentication.
- Implement database security strategies including authentication, data classification, dynamic data masking, and always encrypted.
- Implement Azure Monitor including connected sources, log analytics, and alerts.
- Implement Azure Security Center incl. policies, recommendations, and just in time virtual machine access

Who should attend:

This course is for Azure Security Engineers who are planning to take the associated certification exam, or who are performing security tasks in their day-to-day job. This course would also be helpful to 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.

CertKit content:

- E-learning courses:
 - Microsoft Azure Security Technologies: Exercising Governance Principles
 - AZ-500 - Azure Security Technologies: Managing Azure AD Users
 - AZ-500 - Azure Security Technologies: Securing Azure AD Users
 - AZ-500 - Azure Security Technologies: Managing Azure AD Groups
 - AZ-500 - Azure Security Technologies: Managing Azure AD
 - AZ-500 - Azure Security Technologies: Working with Azure AD Features
 - AZ-500 - Azure Security Technologies: Restricting Resource Access with Roles
 - AZ-500 - Azure Security Technologies: Configuring Azure Networking
 - AZ-500 - Azure Security Technologies: Implementing Azure Network Security
 - AZ-500 - Azure Security Technologies: Securing Network Access with VPNs
 - AZ-500 - Azure Security Technologies: Managing Azure Virtual Machines
 - AZ-500 - Azure Security Technologies: Managing Azure Storage
 - AZ-500 - Azure Security Technologies: Managing Azure Files Shares
 - AZ-500 - Azure Security Technologies: Securing Azure Databases
- MeasureUp Exam simulation
 - 120+ questions
- Tips & Tricks
- Challenge Labs (option)
 - This collection is comprised of over 20 challenges and contains over 12 hours of hands-on practice. These challenges are to be considered companion exercises that reinforce or expand upon concepts that are covered in the Exam AZ-500: Microsoft Azure Security Technologies competencies and is mapped to the skills measured of the exam. (see detailed PDF).