



MICROSOFT TRAINING

AZ-500: Microsoft Azure Security Technologies

Secure Azure environments. Master identity, platform protection, operations, and data security to ace your AZ-500 exam.

DURATION

32 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The AZ-500: Microsoft Azure Security Technologies course is meticulously designed to equip IT professionals with the comprehensive knowledge and practical skills required to implement, manage, and monitor security controls across an organization's Microsoft Azure environment. This intermediate-level course dives deep into securing identities and access, protecting platforms, managing security operations, and securing data and applications within Azure. Participants will gain expertise in leveraging Azure Active Directory, Azure Firewall, Azure Security Center, Azure Sentinel, Azure Key Vault, and other critical Azure security services to build and maintain robust cloud security postures. By focusing on hands-on labs and real-world scenarios, this course ensures that participants are not only theoretically proficient but also capable of applying their knowledge effectively.

Earning the AZ-500 certification validates your specialized expertise in securing Azure solutions, making you an invaluable asset in today's cloud-first world. The benefits extend beyond technical proficiency, enhancing your career trajectory by demonstrating a proven ability to safeguard cloud infrastructure, data, and applications from evolving cyber threats. This certification is a testament to your commitment to excellence in cloud security, opening doors to advanced roles and ensuring that you are at the forefront of protecting digital assets in Microsoft Azure.

Duration	32 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AZ-500

PREREQUISITES

- Understanding of cloud computing concepts
- Familiarity with Azure portal
- Basic PowerShell or CLI experience
- Understanding of virtualization concepts

COURSE CURRICULUM

01 Module 1: Manage Identity and Access

- Implementing Azure Active Directory (Azure AD)
- Configuring Azure AD Identity Protection
- Managing Azure AD Connect and hybrid identities
- Implementing Multi-Factor Authentication (MFA)
- Configuring Conditional Access policies
- Implementing Role-Based Access Control (RBAC)
- Managing Managed Identities for Azure resources

02 Module 2: Implement Platform Protection

- Implementing network security with Network Security Groups (NSGs) and Application Security Groups (ASGs)
- Deploying and configuring Azure Firewall and DDoS Protection
- Securing Azure compute resources (VMs, containers, Kubernetes)
- Implementing Azure Disk Encryption
- Configuring Azure Key Vault for secrets and keys

- Establishing secure connectivity with Azure Bastion, VPN Gateway, and ExpressRoute

03 Module 3: Manage Security Operations

- Configuring and utilizing Azure Security Center (Azure Defender)
- Implementing and managing Azure Sentinel for SIEM and SOAR
- Monitoring security with Azure Monitor and Log Analytics
- Managing security alerts and incident response
- Implementing vulnerability management for Azure resources
- Ensuring compliance with Azure Policy and Azure Blueprints

04 Module 4: Secure Data and Applications

- Implementing security for Azure Storage accounts (encryption, access keys, SAS)
- Securing Azure SQL Database and Cosmos DB
- Implementing Azure Web Application Firewall (WAF) for application protection
- Securing Azure App Service and API Management
- Managing secrets and certificates in Azure Key Vault
- Implementing Content Delivery Network (CDN) security

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Security Engineer**
- > **Cloud Security Architect (Azure Focus)**
- > **Security Operations Analyst (Azure Specialist)**

FREQUENTLY ASKED QUESTIONS

Q: What are the essential prerequisites for taking the AZ-500 course and successfully passing the certification exam?

This course is designed for IT professionals with a foundational understanding of Azure services, networking, virtualization, and identity management. While no specific certification is mandatory, practical experience with Azure administration (equivalent to the AZ-104 certification) and a solid grasp of general security concepts are highly recommended to maximize your learning and success on the AZ-500 exam. Familiarity with PowerShell and the Azure CLI will also be beneficial.

Q: How does the AZ-500 certification differentiate my skills in the cloud security job market, especially compared to generic security certifications?

The AZ-500 certification specifically validates your expertise in implementing, managing, and monitoring security controls within Microsoft Azure environments. Unlike generic security certifications, it focuses deeply on Azure-native security services, tools, and best practices. This specialization makes you a highly sought-after professional for organizations heavily invested in Azure, demonstrating practical, vendor-specific skills directly applicable to real-world cloud security challenges and compliance requirements.

Q: Beyond theoretical knowledge, what practical, hands-on skills will I gain that are immediately applicable in an Azure security role?

This course is heavily focused on practical application. You will gain hands-on experience in configuring Azure Active Directory for secure access, implementing network security controls like Azure Firewall and NSGs, deploying and managing Azure Security Center and Azure Sentinel for threat protection and response, securing data in Azure Storage and databases with encryption and access policies, and protecting web applications using Azure WAF and App Service security features. You'll learn to translate security requirements into effective Azure solutions through practical labs and exercises.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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