



MICROSOFT TRAINING

AZ-500: Microsoft Azure Security Technologies

Master Azure security. Prepare for AZ-500 to secure Azure environments, manage identities, and protect data.

DURATION

2 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 for IT professionals aiming to master the intricacies of securing Microsoft Azure environments. This intermediate-level certification focuses on implementing security controls, maintaining the security posture, identifying and remediating vulnerabilities, and responding to security threats. Participants will delve into securing identity and access, implementing platform protection, securing data and applications, and managing security operations across the Azure ecosystem. By the end of this course, you will be equipped to design and implement robust security solutions that safeguard an organization's cloud resources.

This comprehensive program covers essential Azure security services and features, including Azure Active Directory (Azure AD), Azure Security Center (now Microsoft Defender for Cloud), Azure Network Security Groups, Azure Key Vault, Azure Policy, and Azure Sentinel. You will gain practical experience in configuring identity protection, managing privileged access, securing virtual networks, implementing host and container security, encrypting data at rest and in transit, and setting up logging, monitoring, and alerting. The course emphasizes a hands-on approach, ensuring you can translate theoretical knowledge into practical security implementations.

Earning the AZ-500 certification validates your expertise in cloud security, significantly enhancing your career prospects in a rapidly growing field. It demonstrates your ability to protect cloud-based assets, comply with regulatory requirements, and proactively mitigate risks, making you an invaluable asset to any organization leveraging Azure. This course is ideal for security engineers, cloud administrators, and anyone aspiring to specialize in securing Microsoft Azure solutions.

Duration	2 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 Azure Identities and Access

- Configure Azure Active Directory for workloads
- Implement and manage Azure AD Identity Protection
- Configure secure access for external users (B2B collaboration)
- Implement Privileged Identity Management (PIM)
- Configure Role-Based Access Control (RBAC) for Azure resources
- Implement security for application access

02 Module 2: Implement Azure Platform Protection

- Implement network security (NSGs, Azure Firewall, DDoS Protection, Private Link)
- Implement host security (VM hardening, OS patching, endpoint protection)

- Configure container security (Azure Container Registry, Azure Kubernetes Service security)
- Implement Azure resource security (Azure Policy, Azure Blueprints)

03 Module 3: Secure Data and Applications

- Configure security for storage accounts (encryption, access control)
- Configure security for databases (SQL Database, Cosmos DB encryption and access)
- Configure and manage Azure Key Vault for secrets and certificates
- Implement security for application development (managed identities, secure code practices)

04 Module 4: Manage Security Operations

- Monitor security with Microsoft Defender for Cloud (security posture, threat protection)
- Configure security logging and alerting (Azure Monitor Logs, activity logs)
- Implement and configure Azure Sentinel for SIEM capabilities
- Implement governance and compliance solutions in Azure

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Security Engineer**
- > **Cloud Security Analyst (Azure Specialist)**
- > **Security Operations Center (SOC) Engineer for Cloud Environments**

FREQUENTLY ASKED QUESTIONS

Q: What foundational Azure knowledge is recommended before enrolling in the AZ-500: Microsoft Azure Security Technologies course?

This course is designed for intermediate professionals. While not strictly mandatory, prior experience with Azure administration (equivalent to AZ-104 knowledge) and a basic understanding of networking, virtualization, and general security concepts are highly recommended. This background will significantly enhance your learning experience and your ability to grasp the advanced security topics covered.

Q: How does the AZ-500 certification specifically enhance my career prospects as an Azure Security Engineer?

The AZ-500 certification is a direct validation of the skills critical for an Azure Security Engineer. It proves your proficiency in implementing security controls, maintaining the security posture, and identifying/remediating vulnerabilities across Azure's identity, platform, data, and application layers. Achieving this certification demonstrates to employers that you possess the hands-on expertise required to design, implement, and manage secure Azure environments effectively, opening doors to specialized security roles.

Q: Beyond passing the exam, what tangible, practical skills will I gain from this AZ-500 course that I can immediately apply in a corporate Azure environment?

You will gain practical, deployable skills such as configuring Azure AD Identity Protection for user risk detection, implementing Azure Private Link to secure network traffic, securing containerized workloads in AKS, setting up and managing Azure Key Vault for cryptographic keys and secrets, configuring advanced database encryption, and leveraging Microsoft Defender for Cloud and Azure Sentinel for comprehensive threat detection and response. These are real-world

skills directly applicable to building and maintaining a secure cloud infrastructure for any organization.

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+

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READY TO ENROL?

Take the next step in your technology career.

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