



MICROSOFT TRAINING

AZ-1003: Secure Storage for Azure Files and Azure Blob Storage

Secure Azure Files & Blob Storage by mastering AZ-1003 concepts. Implement robust data protection for your cloud resources.

DURATION

8 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "AZ-1003: Secure Storage for Azure Files and Azure Blob Storage," is expertly designed for IT professionals seeking to master the critical aspects of securing cloud storage solutions within the Microsoft Azure ecosystem. You will delve deep into the core technologies required to protect data stored in Azure Files and Azure Blob Storage, covering essential topics such as identity and access management, data encryption at rest and in transit, network security configurations, and advanced threat protection. This course equips you with the practical skills needed to implement robust security measures, ensuring data confidentiality, integrity, and availability in your Azure environments.

Upon completion, participants will possess the expertise to design, implement, and manage secure storage solutions that comply with industry best practices and regulatory requirements. The benefits extend to significantly enhancing an organization's cloud security posture, mitigating data breach risks, and optimizing operational efficiency through secure storage management. This certification not only validates your technical proficiency in Azure storage security but also positions you as a valuable asset capable of safeguarding one of the most crucial components of any cloud infrastructure: your data.

Duration	8 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AZ-1003

COURSE CURRICULUM

01 Module 1: Introduction to Azure Storage Security

- Overview of Azure Storage Services (Blob, Files, Disk, Queue, Table)
- Key Security Concepts for Cloud Storage
- Shared Responsibility Model in Azure
- Understanding Threats and Vulnerabilities in Cloud Storage
- Azure Security Best Practices for Storage

02 Module 2: Identity and Access Management for Azure Storage

- Azure Active Directory (Azure AD) Integration with Storage Accounts
- Role-Based Access Control (RBAC) for Storage
- Managing Shared Access Signatures (SAS) for Blobs and Files
- Access Keys Management and Rotation Strategies
- Azure AD Authentication for Azure Files (SMB)

03 Module 3: Data Encryption for Azure Storage

- Encryption at Rest: Azure Storage Service Encryption (SSE)
- Customer-Managed Keys (CMK) with Azure Key Vault
- Encryption in Transit: HTTPS and SMB 3.0 Encryption
- Client-Side Encryption Implementation
- Understanding Data Protection and Data Residency

04 Module 4: Network Security for Azure Storage

- Configuring Azure Storage Firewalls and Virtual Networks (VNet)
- Service Endpoints and Private Endpoints for Storage Accounts

- Network Security Groups (NSGs) for Storage Access Control
- Azure Front Door and Azure CDN for Secure Content Delivery
- Secure Connectivity to Azure File Shares

05 Module 5: Data Protection and Governance

- Implementing Soft Delete for Blobs and File Shares
- Blob Versioning and Immutability Policies
- Azure Backup for Storage Accounts
- Data Replication Strategies (LRS, GRS, RA-GRS, ZRS, GZRS)
- Azure Policy for Storage Security Compliance

06 Module 6: Monitoring and Threat Protection

- Logging and Auditing Azure Storage Operations
- Azure Monitor and Azure Log Analytics for Storage Insights
- Configuring Azure Security Center for Storage
- Implementing Azure Defender for Storage
- Alerting and Responding to Security Incidents

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Security Engineer**
- > **Cloud Storage Administrator**
- > **Azure Solutions Architect**

FREQUENTLY ASKED QUESTIONS

Q: What specific skills will I gain that are directly applicable to securing real-world Azure storage deployments?

This course will provide you with practical skills to configure and manage Shared Access Signatures (SAS) with precise permissions, implement Azure Active Directory-based access for Azure Files (SMB), deploy customer-managed encryption keys for Blob and File storage, and secure storage access using Azure Private Endpoints and Storage Firewalls. You will also learn to set up soft delete and immutability policies, and monitor storage accounts with Azure Defender, enabling you to build highly secure and compliant storage solutions.

Q: Are there any prerequisites or recommended prior knowledge needed before taking the AZ-1003 course?

While there are no strict certification prerequisites, it is highly recommended that participants have a foundational understanding of Azure core services, including virtual networks, virtual machines, and general Azure administration. Basic familiarity with storage concepts and identity and access management (IAM) principles will also be beneficial to maximize your learning experience in this specialized security course.

Q: How does mastery of secure storage for Azure Files and Blob Storage impact my career as an Azure administrator or architect?

Mastering secure storage concepts is crucial for Azure administrators and architects as it directly contributes to an organization's data protection strategy and regulatory compliance. This expertise allows you to design and implement robust, secure storage solutions, mitigate data breach risks, and ensure business continuity. It differentiates you as a professional capable of safeguarding critical data assets, opening doors to advanced roles focused on cloud security and infrastructure design.

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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50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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