Secure storage for Azure Files and Azure Blob Storage

Duration: 1 Day   **Course Code: M-AZ1003**   **Delivery Method: Company Event**

Overview:

This comprehensive training enables IT professionals to master storage security in Azure Files and Azure Blob Storage. Participants will learn to implement robust security strategies, configure access controls, and protect data stored in the Azure cloud.
The course covers encryption best practices, identity management, firewall configuration, and data protection solutions for cloud storage environments.
This course is designed for students who are planning to take the Secure storage for Azure Files and Azure Blob Storage assessment, and provides a bridge between fundamental level skills and entry-level associate skills.
This course helps learners progress in multiple IT roles, including infrastructure, security, and networking.The learner will have many opportunities to practice configuring and securing storage. These skills include creating and configuring storage accounts, blob containers, file shares, storage networking, and storage security.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

This course is designed for students who are planning to take the Secure storage for Azure Files and Azure Blob Storage assessment, or students who are performing Azure Administrator secure storage tasks in their day-to-day job.

Objectives:

- After this course participants should be able to:
- Create and configure a storage account
- Create and configure Blob Storage

- Create and configure Azure Files
- Configure networking for storage
- Configure encryption for storage

Prerequisites:

- Experience using the Azure portal to create resources.
- Basic knowledge of:
- Unstructured data like blobs and files.
- Security concepts like identities, permissions, and encryption.
- Networking concepts like virtual networks and subnetting.

Content:

Module 1: Create an Azure Storage account

- Decide how many storage accounts you need
- Choose your account settings
- Choose an account creation tool
- Exercise – Create a storage account using the Azure portal

Module 2: Configure Azure Blob Storage

- Implement Azure Blob Storage
- Create blob containers
- Assign blob access tiers
- Add blob lifecycle management rules
- Determine blob object replication
- Manage blobs
- Determine Blob Storage pricing
- Exercise – Provide storage for the public website

Module 3: Configure Azure Files

- Compare storage for file shares and blob data
- Manage Azure file shares
- Create file share snapshots
- Implement soft delete for Azure Files
- Use Azure Storage Explorer
- Consider Azure File Sync

Module 4: Configure Azure Storage security

- Review Azure Storage security strategies
- Create shared access signatures
- Identify URI and SAS parameters
- Determine Azure Storage encryption
- Create customer-managed keys
- Apply Azure Storage security best practices
- Exercise: Manage Azure Storage

Module 5: Secure and isolate access to Azure resources by using network security groups and service endpoints

- Use network security groups to control network access
- Exercise – Create and manage network security groups
- Secure network access to PaaS services with virtual network service endpoints
- Exercise – Restrict access to Azure Storage by using service endpoints

Module 6: Guided Project - Azure Files and Azure Blobs

- Exercise – Provide storage for the IT department testing and training
- Exercise – Provide storage for the public website
- Exercise – Provide private storage for internal company documents
- Exercise – Provide shared file storage for the company offices
- Exercise – Provide storage for a new company app

Additional Information:

Official course book provided to participants.

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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