

Azure Storage Management, Skill Labs

Course Specifications

Course Number: ACI76-026SL_rev1.0

Lab Length: Approximately 4 hours

Azure Storage Services (PLAB-AZ3)

Introduction

Objective

Welcome to the Azure Storage Services Lab. In this lab, you will be provided with the instructions and devices needed to develop your hands-on skills.

Azure Storage, a storage service offered on the Azure platform, uses a Storage as a Service (STaaS) model where the cloud service provider leases or rents its storage infrastructure to another company, organization, or individuals to store data. This model is often useful for smaller organizations for managing backups of on-premises servers, and an example of this is a file share hosted in the cloud. By using cloud storage, an organization can save costs related to personnel, hardware, and physical space.

Overview

Learning Outcomes

In this module, you will complete the following exercises:

- Exercise 1 - Creating and Configuring Azure Storage Accounts

After completing this lab, you will be able to:

- Create a storage account.
- Create a file share.
- Upload a file to an Azure storage account.

Working with Blobs (PLAB-AZ3)

Introduction

Objective

Welcome to the Working with Blobs lab. In this lab, you will be provided with the instructions and devices needed to develop your hands-on skills.

Blobs are binary large objects. Azure Blob storage is optimized for large data such as objects. Blobs are highly scalable and applications can easily connect to this type of storage.

Overview

Learning Outcomes

In this module, you will complete the following exercises:

- Exercise 1 - Creating and Configuring Azure Blob Storage

Course Outline

After completing this lab, you will be able to:

- Create a blob storage account.
- Create a container.
- Upload a file to an Azure blob account.

Azure SQL Databases (PLAB-AZ3)

Introduction

Objective

Welcome to the Azure SQL Databases practice lab. In this lab, you will be provided with the instructions and devices needed to develop your hands-on skills.

Azure offers a wide range of fully managed relational, NoSQL, and in-memory databases. Some databases are proprietary, while others use open-source engines to fit the needs of modern app developers. Infrastructure management—including scalability, availability, and security—is automated. You can focus on creating applications while Azure managed databases make your job simpler by surfacing performance insights through embedded intelligence, scaling without limits, and managing security threats.

Overview

Learning Outcomes

In this module, you will complete the following exercises:

- Exercise 1 - Creating and Configuring SQL Databases in Azure

After completing this lab, you will be able to:

- Create an SQL database.
- Create a database server.

Azure Cosmos Databases (PLAB-AZ3)

Introduction

Objective

Welcome to the Azure Cosmos Databases lab. In this lab, you will be provided with the instructions and devices needed to develop your hands-on skills.

Azure Cosmos Database (DB) is useful for modern app development because it is a fully managed not only SQL (NoSQL) DB, which can handle semi-structured data. Azure Cosmos DB is a Platform as a Service (PaaS) DB service, which means you don't need to spend time managing infrastructure. Azure Cosmos DB assures business continuity with Service-Level Agreement (SLA)-backed availability and enterprise-grade security.

Because Azure Cosmos DB is a fully managed service, you don't need to worry about performing patching and updating administration tasks. Azure Cosmos DB also handles capacity management with cost-effective serverless and automatic scaling options. These options allow apps to respond to needs and match capacity with demand.

Course Outline

Overview

Learning Outcomes

In this module, you will complete the following exercises:

- Exercise 1 – Create and Configure an Azure Cosmos Database

After completing this lab, you will be able to:

- Create a Cosmos DB.
- Configure a Cosmos DB.