

Microsoft Azure Fundamentals
Training Bootcamp

Introduction to Azure Storage

Introduction to Azure Storage

- ❑ Azure Storage is Microsoft's cloud storage solution for modern data storage scenarios (microsoft.com)
- ❑ Azure Storage includes the following data services:
 - ❑ Azure Blobs – scalable object store
 - ❑ Azure Files – managed file share
 - ❑ Azure Queues – messaging store
 - ❑ Azure Tables – NoSQL structured data



Storage Account

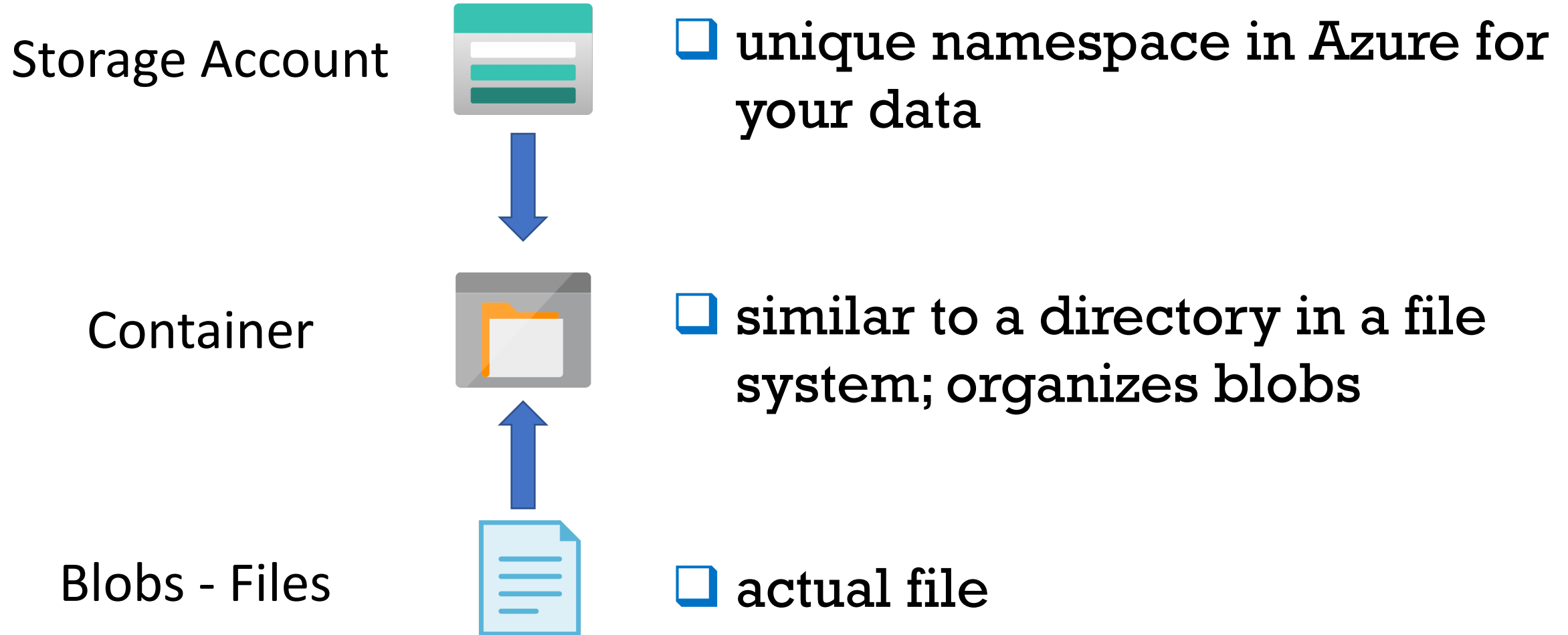
Azure Blobs Overview – Unstructured Data

- ❑ Azure Blob storage is Microsoft's object storage solution for the cloud, optimized to store massive amounts of unstructured data (text or binary data)
- ❑ BLOB – Binary Large Objects
- ❑ What is Blob Storage suitable for ?
 - ❑ Store images and files
 - ❑ Stream video and audio
 - ❑ Log files
 - ❑ Store data for BKP and restore, DR



Blob Storage

Azure Blobs Hands-on Lab



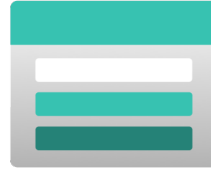
Azure Files Overview – SMB File Share

- ❑ Azure Files offers fully managed file shares in the cloud that are accessible via SMB protocol
- ❑ Azure File shares can be mounted (attached) by both on-premises and cloud machines
- ❑ Applications can mount a file storage share to access file data, just as a desktop application would mount a typical SMB share



Azure Files Hands-on Lab

Storage Account



Azure Files



Windows VM 01



Windows VM 02

Azure Queues Overview – Messaging Store

- ❑ Azure Queue Storage is a service for storing large numbers of messages, accessible from anywhere in the world
- ❑ A messaging store for reliable messaging between application components
- ❑ When app components are decoupled, they can scale independently; queue storage provides asynchronous message queueing for communication between application components



Azure Queues

Azure Tables – NoSQL Structured Data

- ❑ Azure Table storage is a service that stores structured NoSQL data in the cloud
- ❑ Azure Table storage stores large amounts of structured data, known as NoSQL datastore; ideal for storing structured, non-relational data
- ❑ Azure managed service – tables will scale as demand increases



Azure Tables

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Thank you