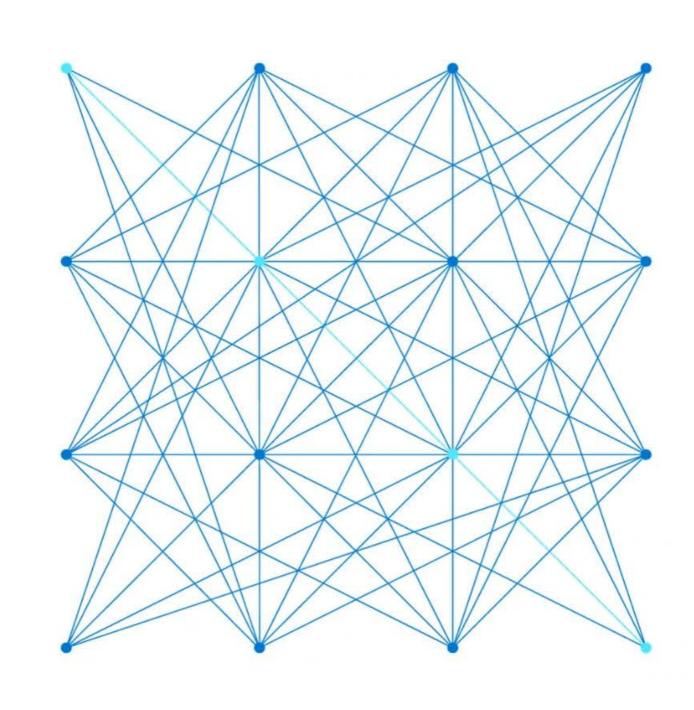
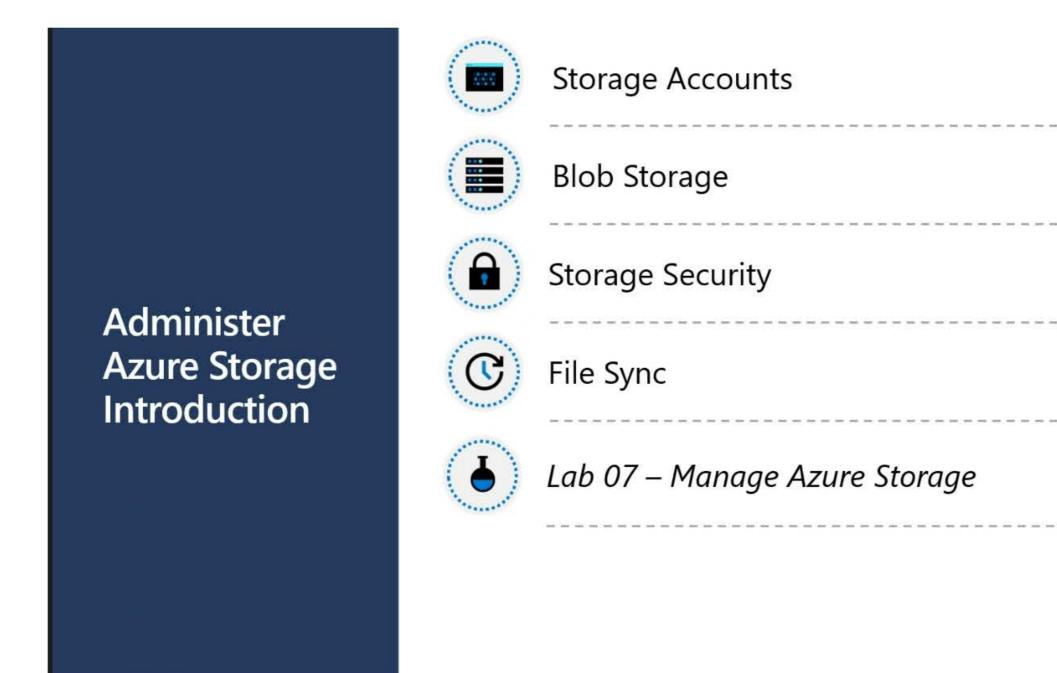


Microsoft Azure





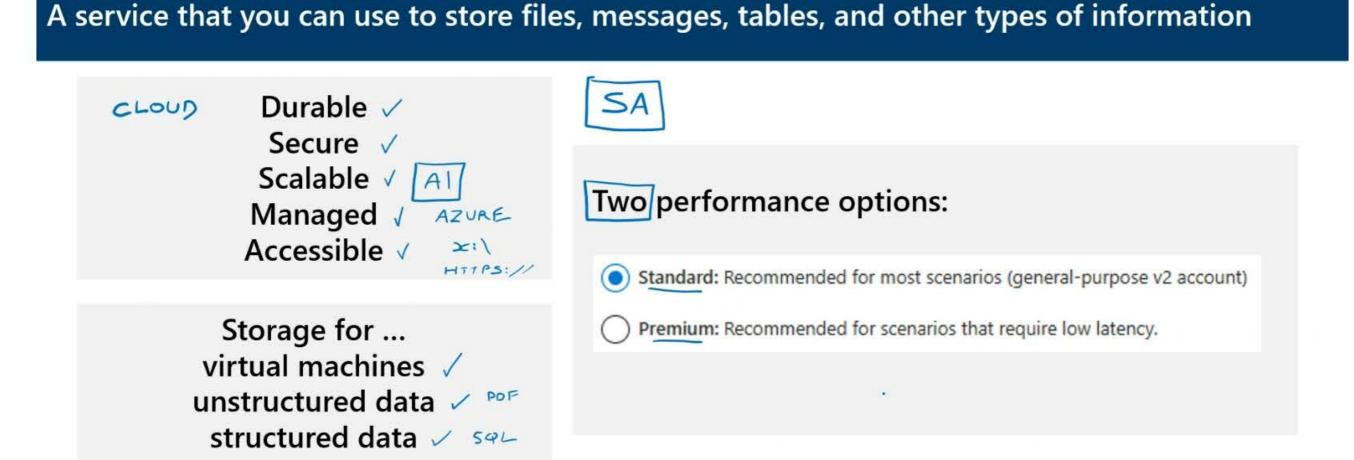




Implement Azure Storage

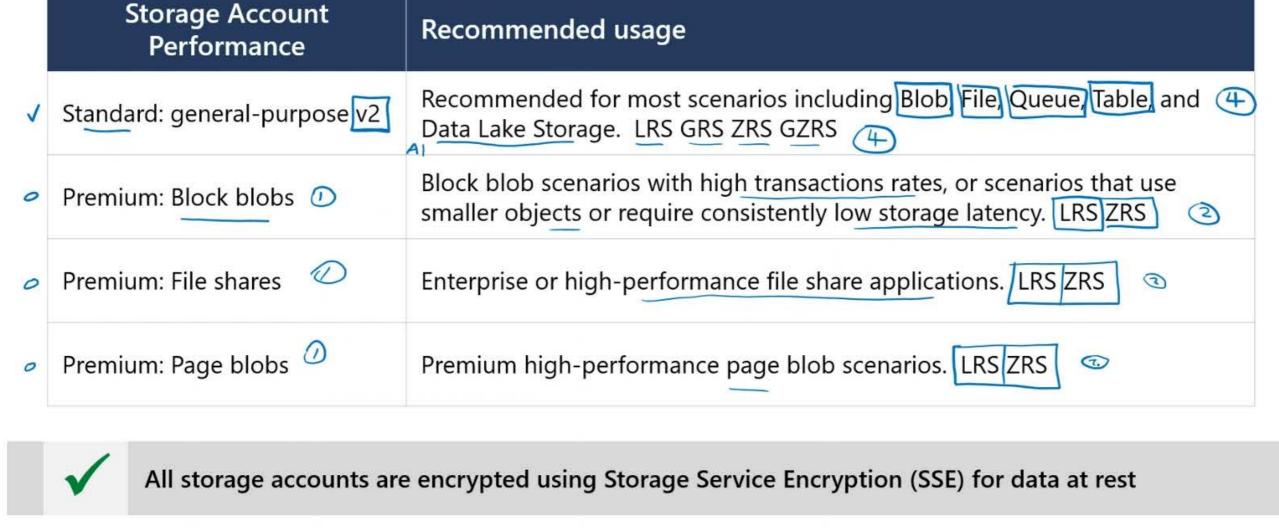
Compare Files to Blobs

Azure Storage Services

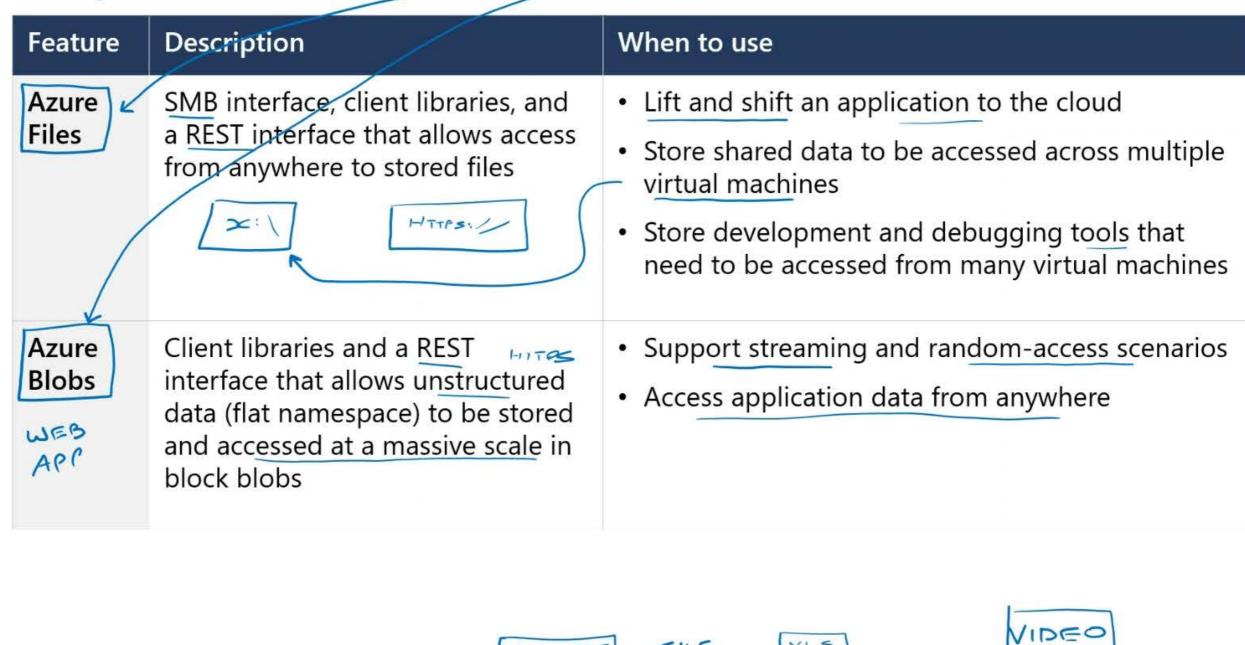


Stone no Account

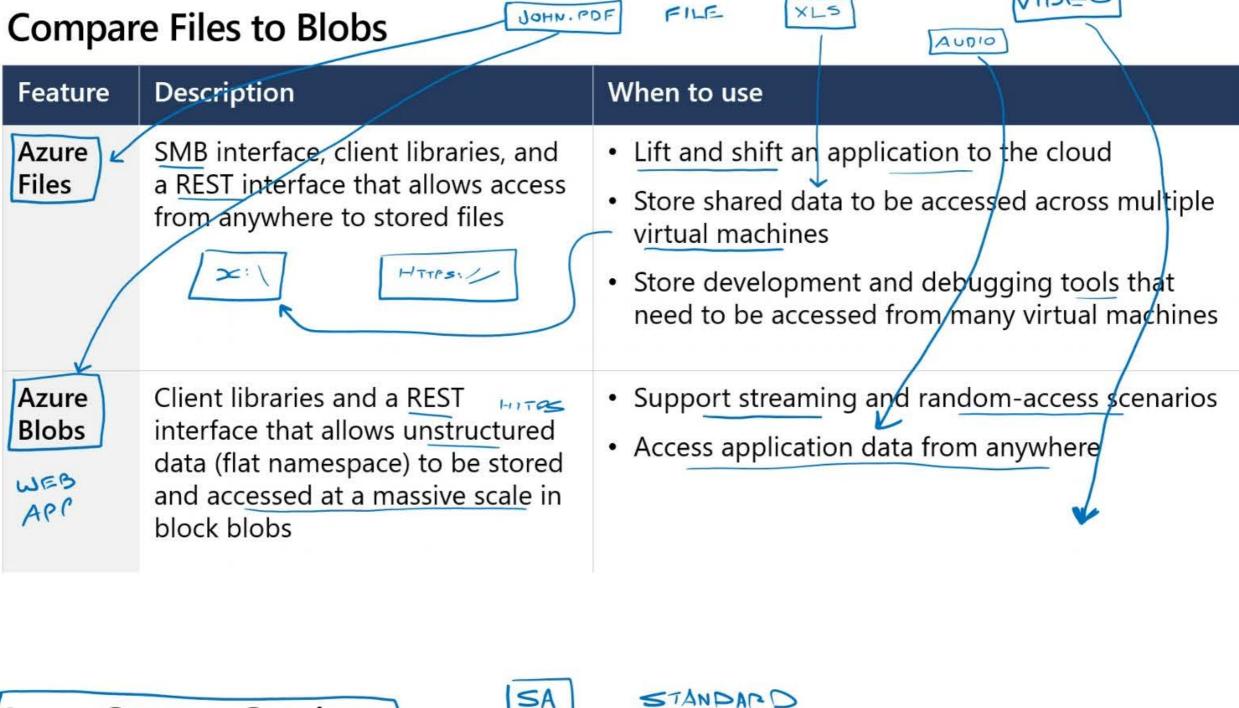
Storage Performance Options – Standard and Premium

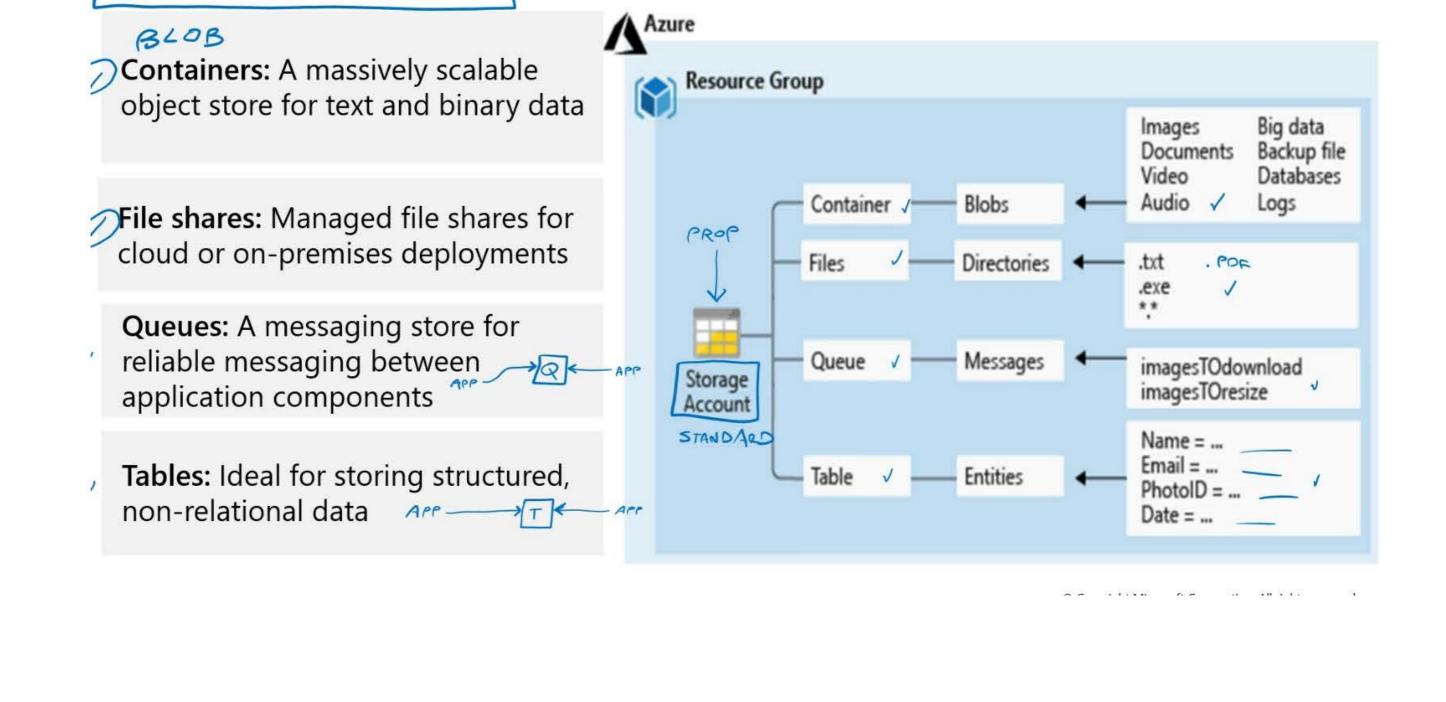


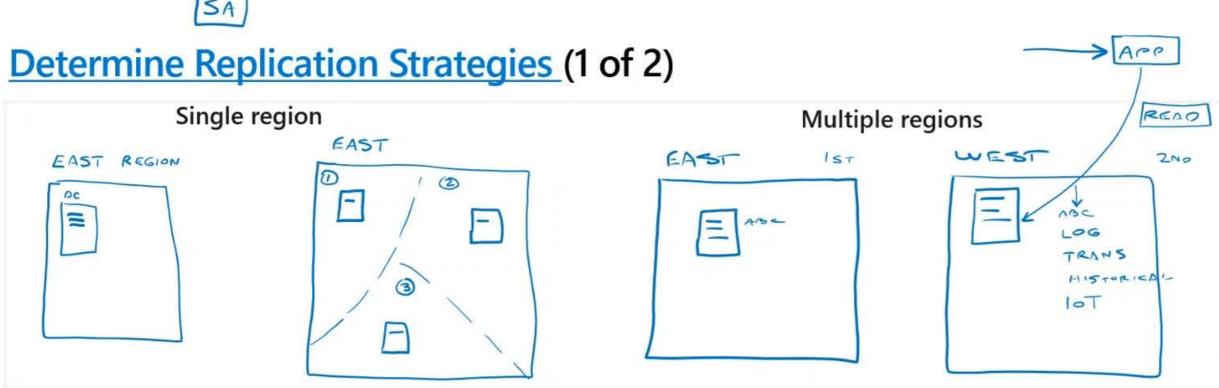
JOHN. PDF



FILE







- LRS
- Protects against disk, node,
- rack failures Write is acknowledged when
- Three replicas, one region

all replicas are committed

Superior to dual-parity RAID

Three replicas, three zones,

one region

three zones

ZRS

Protects against disk, node,

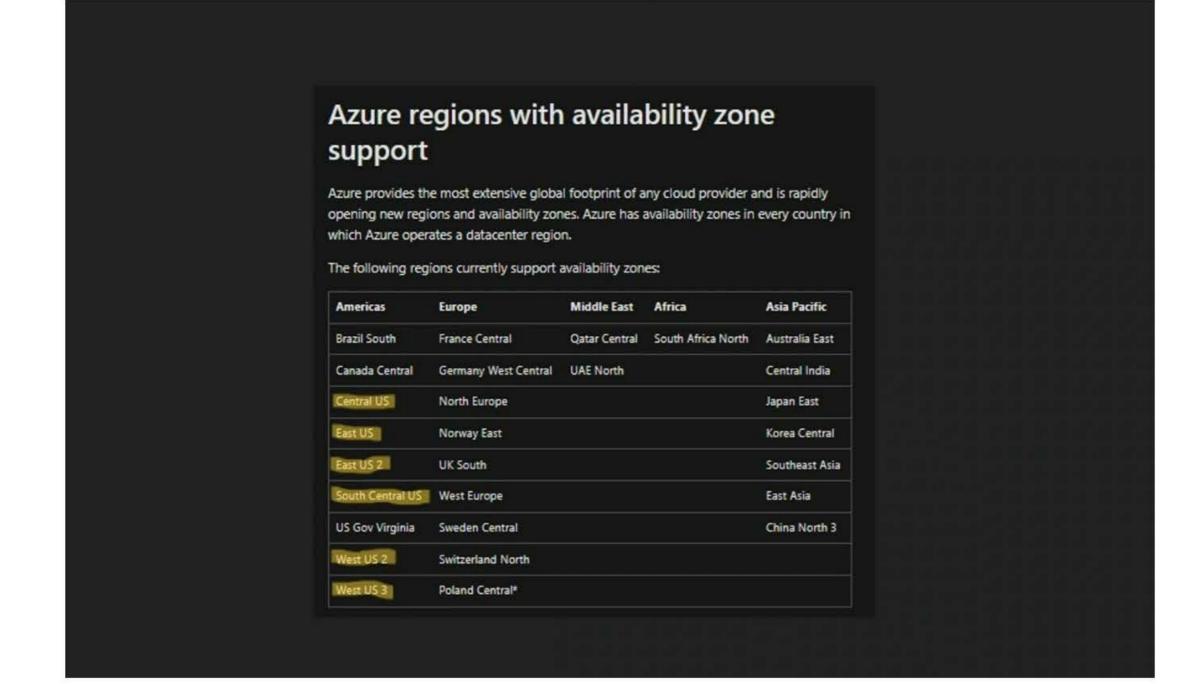
rack, and zone failures

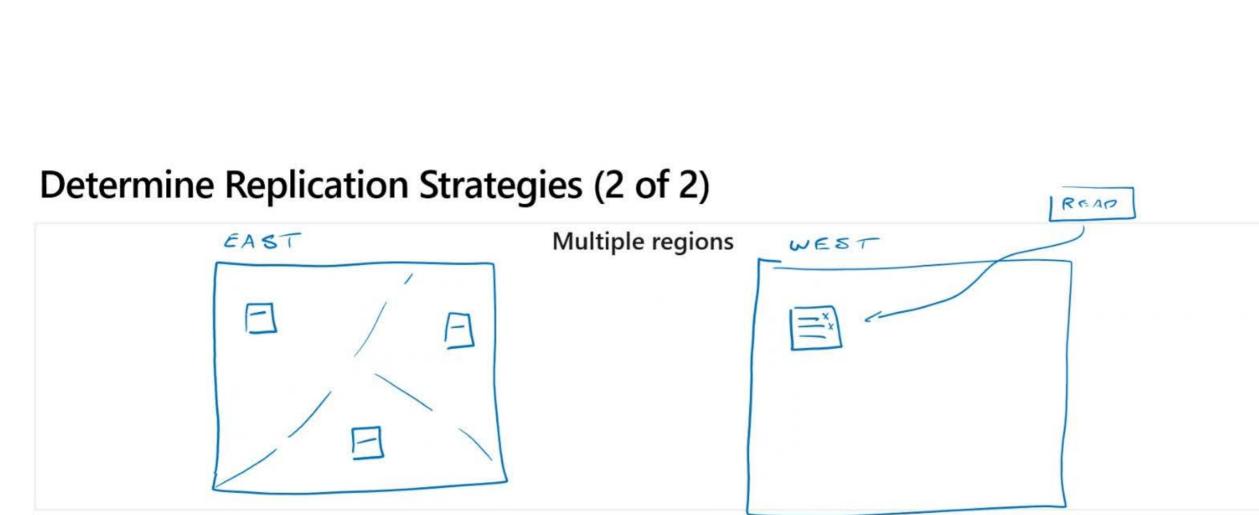
Synchronous writes to all

- GRS
- Six replicas, two regions (three per region) Protects against major
- regional disasters · Asynchronous copy to secondary
- GRS + read access to
 - secondary Separate secondary endpoint
 - Recovery point objective (RPO) delay to secondary can be queried



o ×





GZRS

- Six replicas, 3+1 zones, two regions · Protects against disk, node, rack,
- zone, and region failures Synchronous writes to all three
- zones and asynchronous copy to secondary
- secondary Separate secondary endpoint

· GZRS + read access to

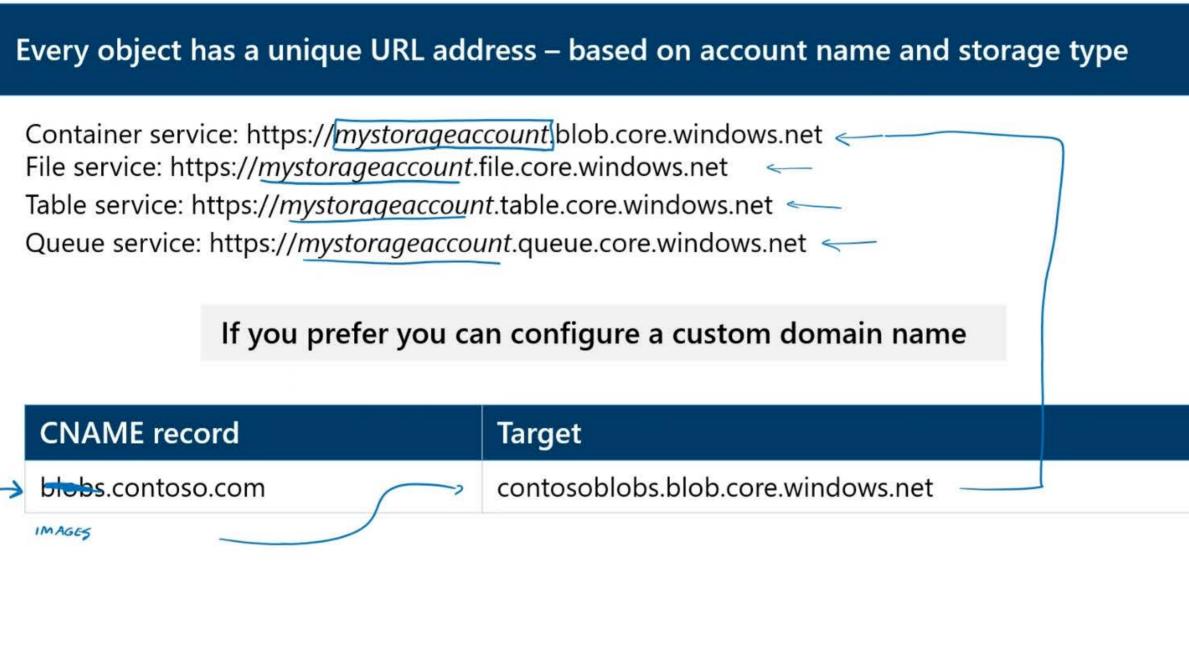
RPO delay to secondary can

RA GZRS

be queried

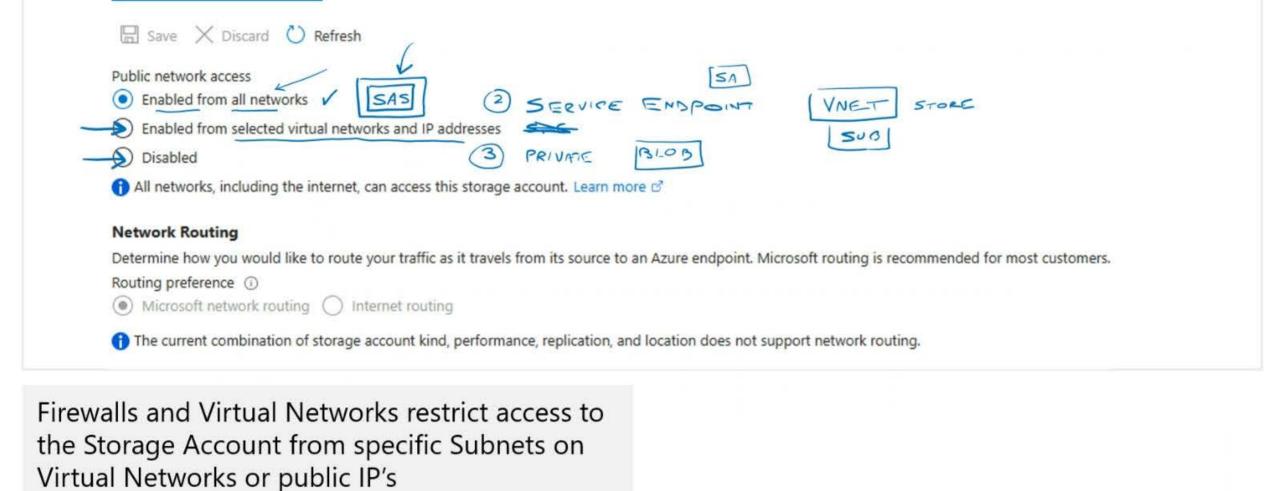
Access Storage







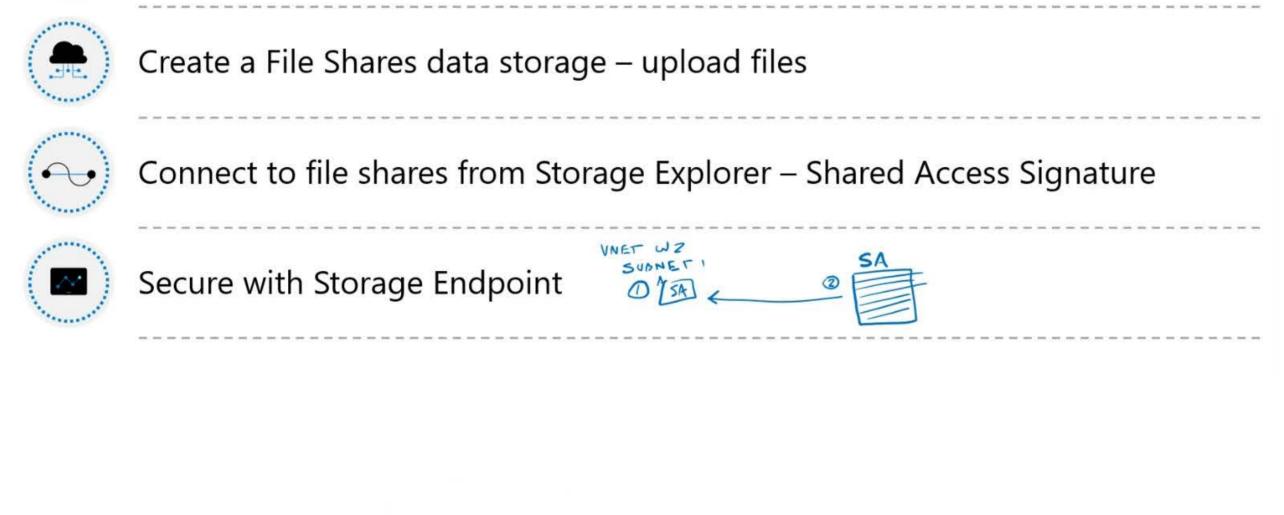
SA



NETWORKING

Create a storage account

DEMO 1 – Create a Storage Account, SAS, and Endpoint



B) Geo-redundant storage GRS C) Zone-redundant storage ZRS

Which of the following replicates your data to a secondary

region and maintains six copies of your data?

You have two video files stored as blobs. One of the videos is business-critical and

A) Locally-redundant storage LRS

Select one.

content.

cost sensitivity consideration? A) Create a single storage account that makes use of Local-redundant storage (LRS) and host both videos from here. B) Create a single storage account that makes use of Geo-redundant storage (GRS) and host both videos from here.

requires a replication policy that creates multiple copies across geographically

sufficient. Which of the following options would satisfy both data diversity and

diverse datacenters. The other video is non-critical, and a local replication policy is

C) Create two storage accounts. The first account makes use of Geo-redundant storage (GRS) and hosts the business-critical video content. The second account

makes use of Local-redundant storage (LRS) and hosts the non-critical video

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The name of a storage account must be: A) Unique within the containing resource group.

- C) Globally unique.

B) Unique within your Azure subscription.

In a typical project, when would you create your storage account(s)?

- A) At the beginning, during project setup. B) After deployment, when the project is running.
- C) At the end, during resource cleanup.

A manufacturing company has several sensors that record time-relative data. Only the most recent data is useful. The company wants the lowest cost storage for this

A) LRS B) GRS C) ZRS

Multiple choice

data. What is the best kind of storage account for them?

C

C

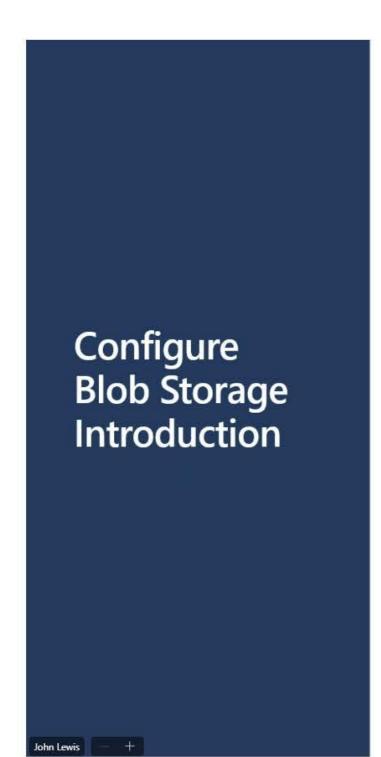
A

A

7.2 Configure Blob Storage

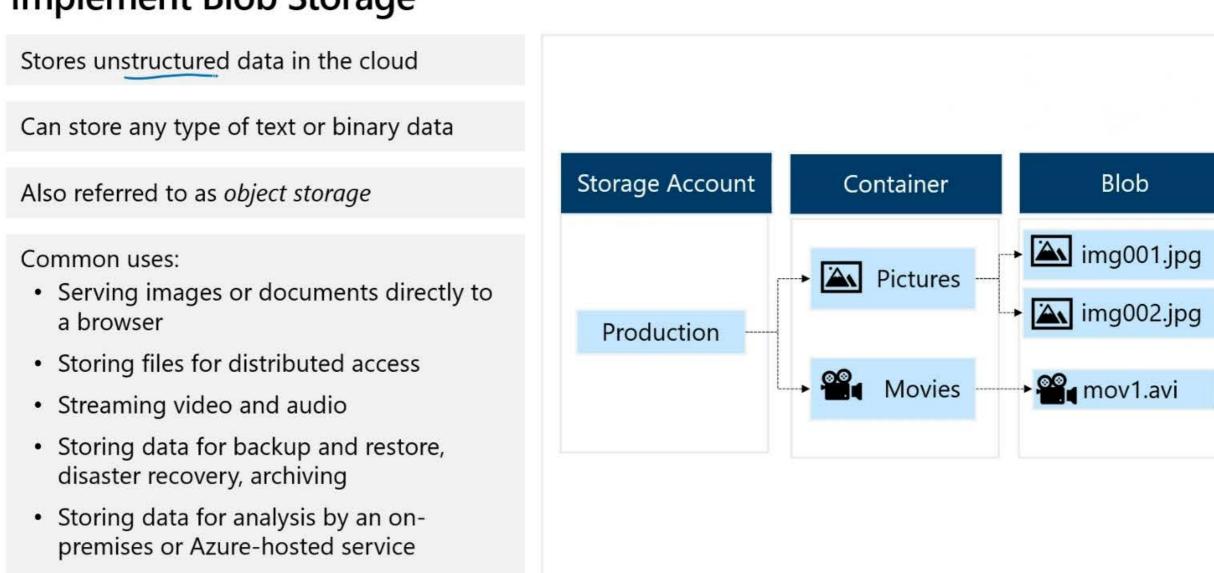


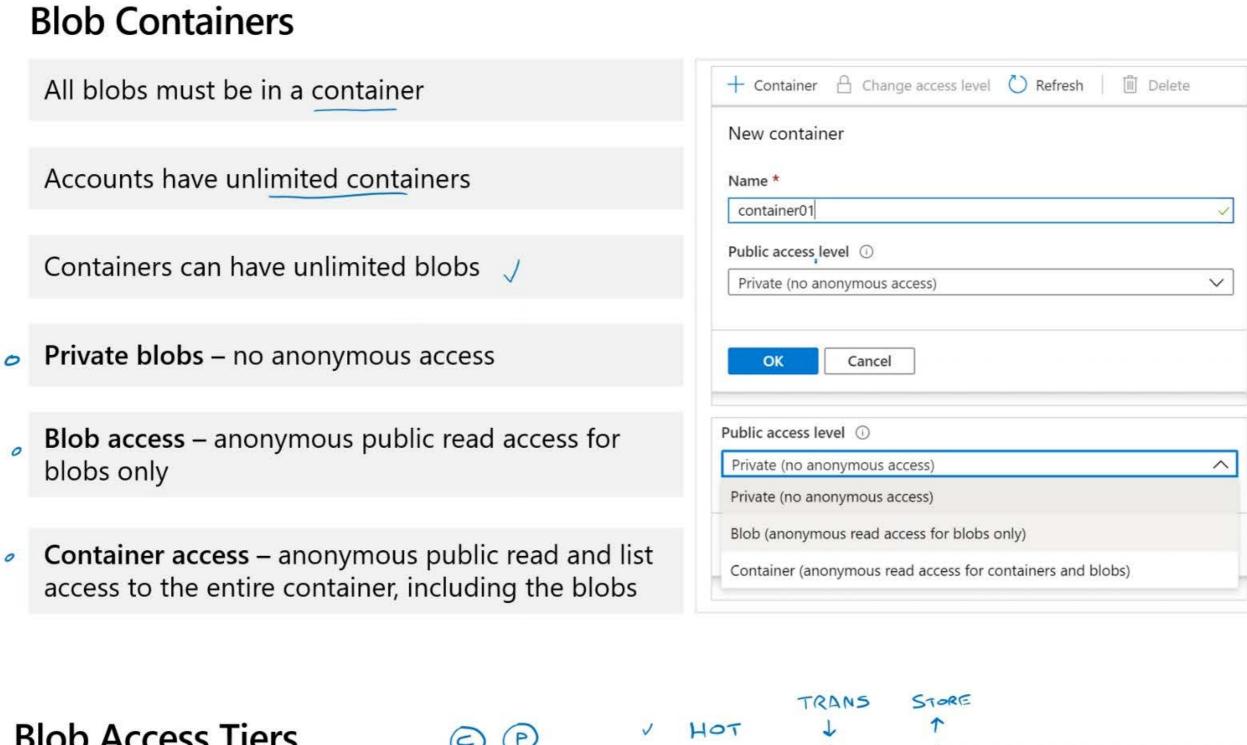
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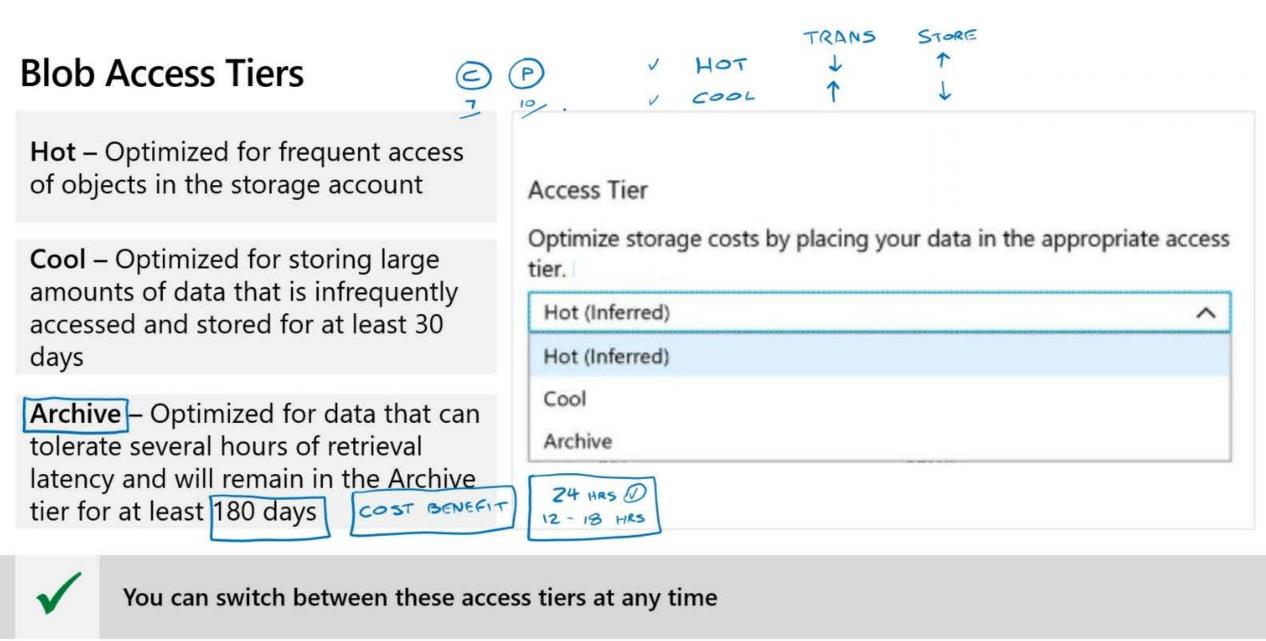


Implement Blob Storage **Create Blob Containers Create Blob Access Tiers** Add Blob Lifecycle Management Rules **Determine Blob Object Replication** Demonstration – Blob Storage Summary and Resources * Upload Blobs and Determine Storage Pricing are not covered.

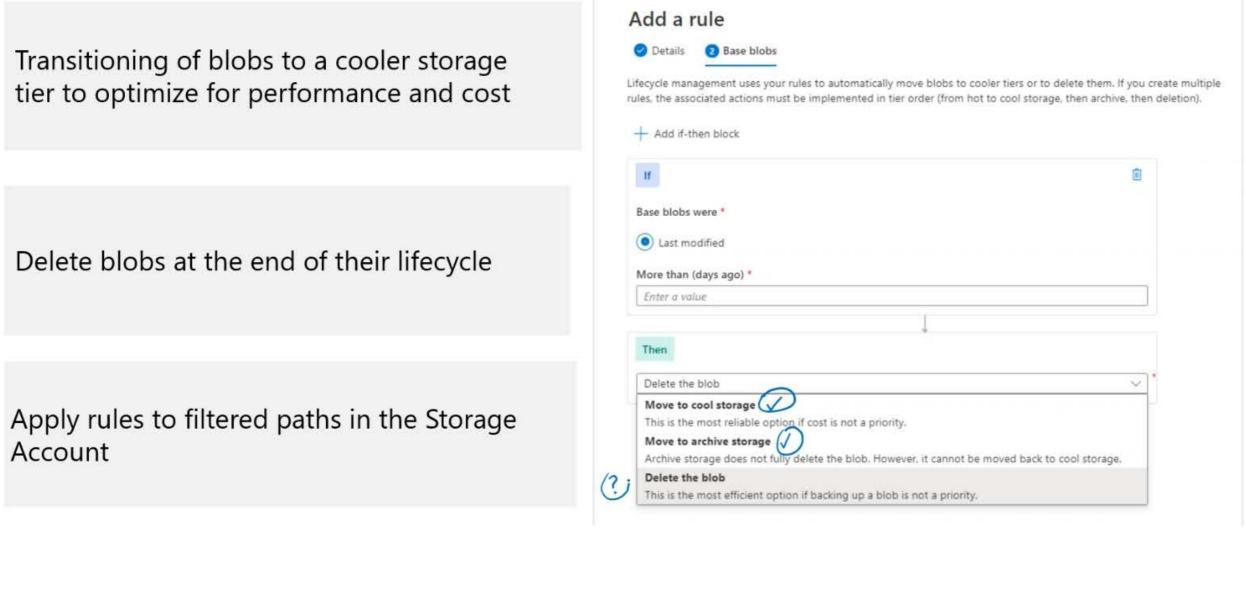
Implement Blob Storage

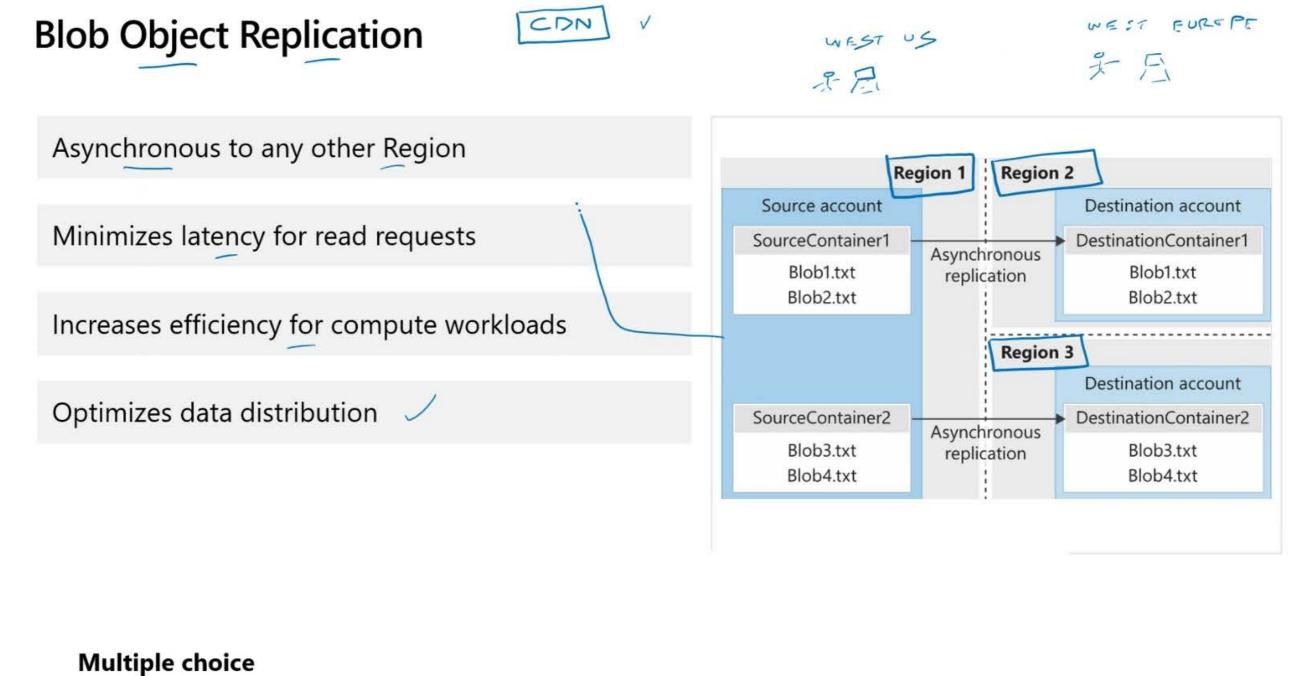






Blob Lifecycle Management Rules





Which of these changes between access tiers will happen immediately?

A) Hot to Cool B) Archive to Cool

C) Archive to Hot

be reachable programmatically through a REST API. The storage must be globally redundant. The storage must be accessible privately within the company's Azure environment. The storage must be optimal for unstructured data. Which type of Azure storage should you use for the app? Select one. A) Azure Table Storage

Your company is building an app in Azure. The storage must ...

B) Azure Blob Storage C) Azure File Storage

You are using blob storage. Which of the following is true? Select one.

A) The cool access tier is for frequent access of objects in the storage account.

B) The hot access tier is for storing large amounts of data that is infrequently accessed.

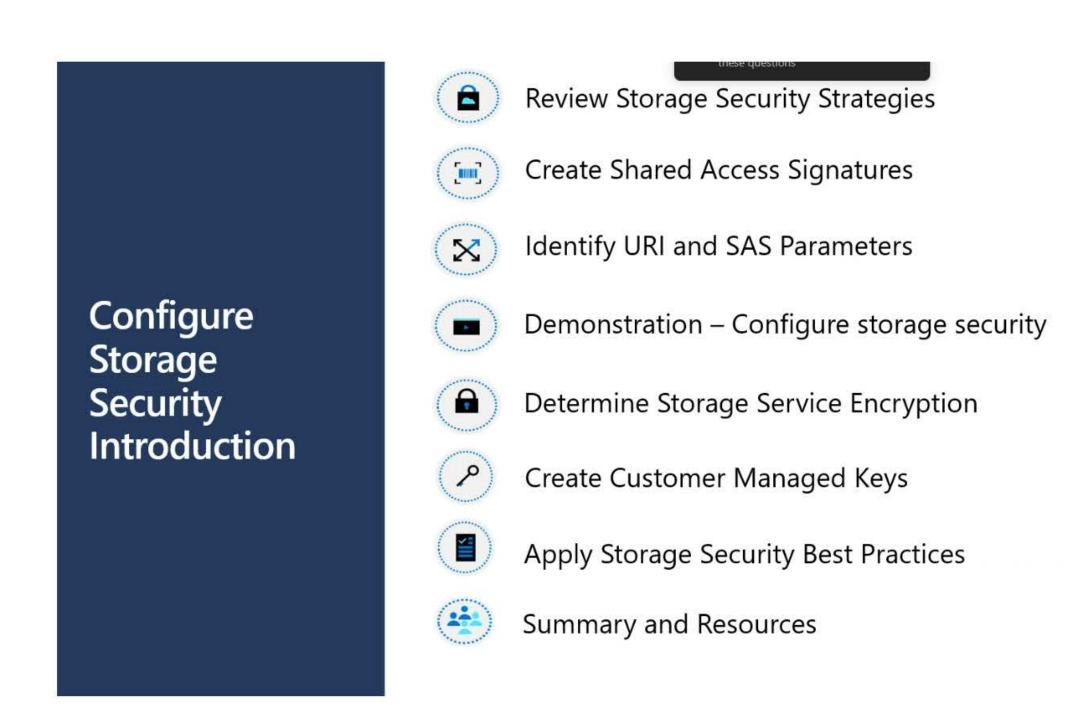
C) You can switch between hot and cool performance tiers at any time.

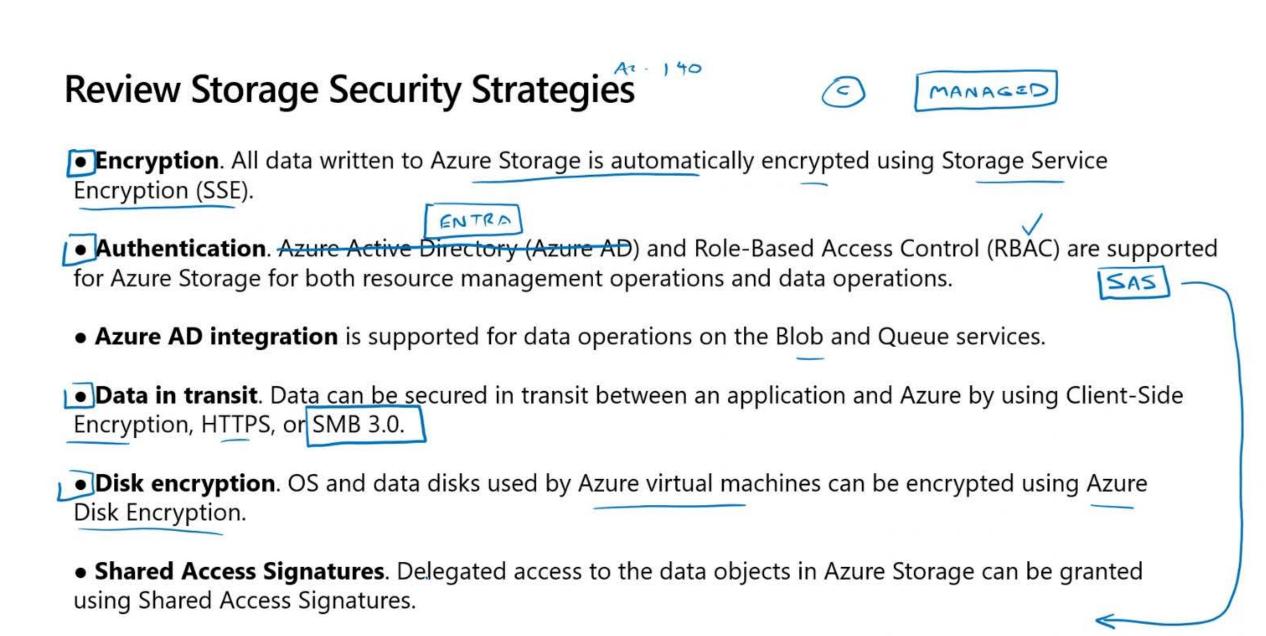
C

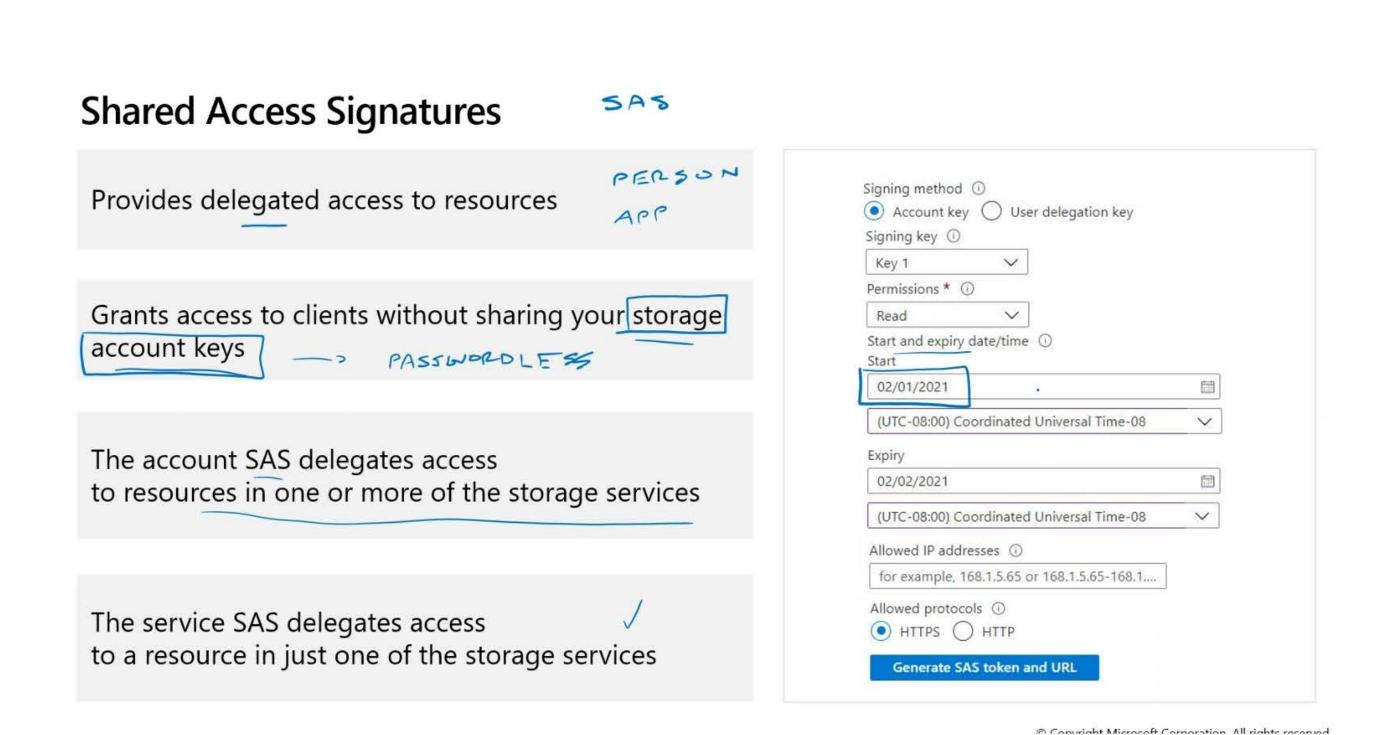
b

a

7-3- Storage Security





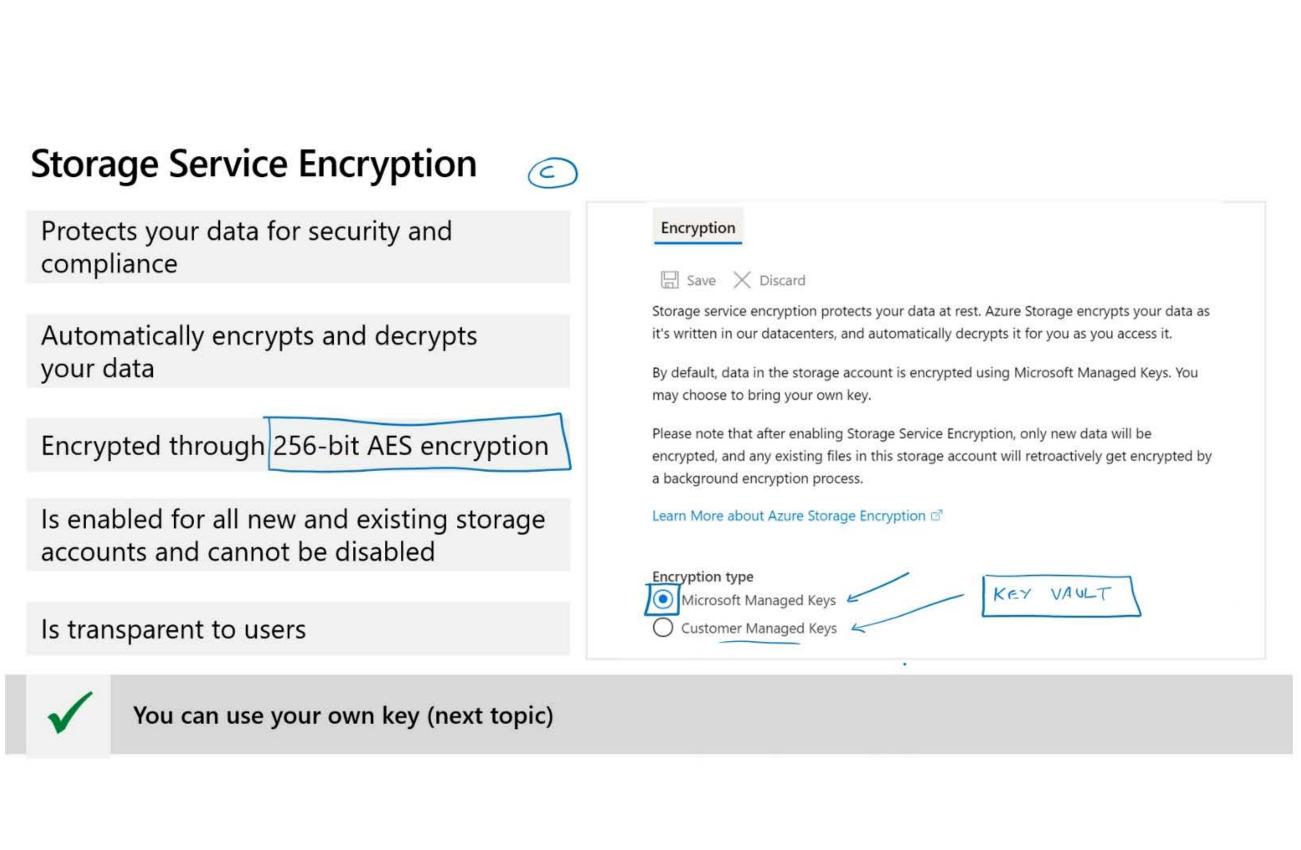


Identify Uniform Resource Indicator (URI) and SAS Parameters

- A SAS is a signed URI that points to one or more storage resources Consists of a storage resource URI and the SAS token



resource types, start time, expiry time, resource, permissions, IP range, protocol, signature



Feature Description SMR interface client libraries and

Compare Files to Blobs

Files	a REST interface that allows access from anywhere to stored files	 Store shared data to be accessed across multiple virtual machines Store development and debugging tools that need to be accessed from many virtual machines
Azure Blobs	Client libraries and a REST interface that allows unstructured data (flat namespace) to be stored and accessed at a massive scale in block blobs	 Support streaming and random-access scenarios Access application data from anywhere

When to use

Lift and shift an application to the cloud

b

a

a

You need to provide an employee temporary read-only access to the contents of an

while adhering to the security principle of least-privilege.

B) Generate a shared access signature (SAS) token for the container.

What should you do? Select one. A) Set the public access level to Container.

Azure storage account container named media. It is important that you grant access

C) Configure a Cross-Origin Resource Sharing (CORS) rule for the storage account.

You are planning a delegation model for your Azure storage. The company has issued the following requirement for Azure storage access: -Apps in the non-production environment must have automated time-limited access.

You need to configure storage access to meet the requirements. What should you do?

A) Use shared access signatures for the non-production apps. B) Use access keys for the non-production apps.

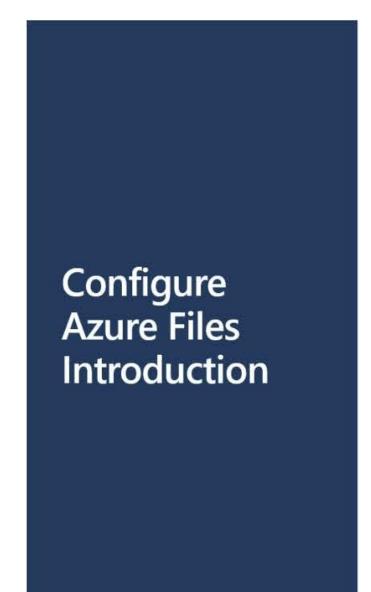
- C) Use Stored Access Policies for the production apps..
- network rule?

When configuring network access to your Azure Storage Account, what is the default

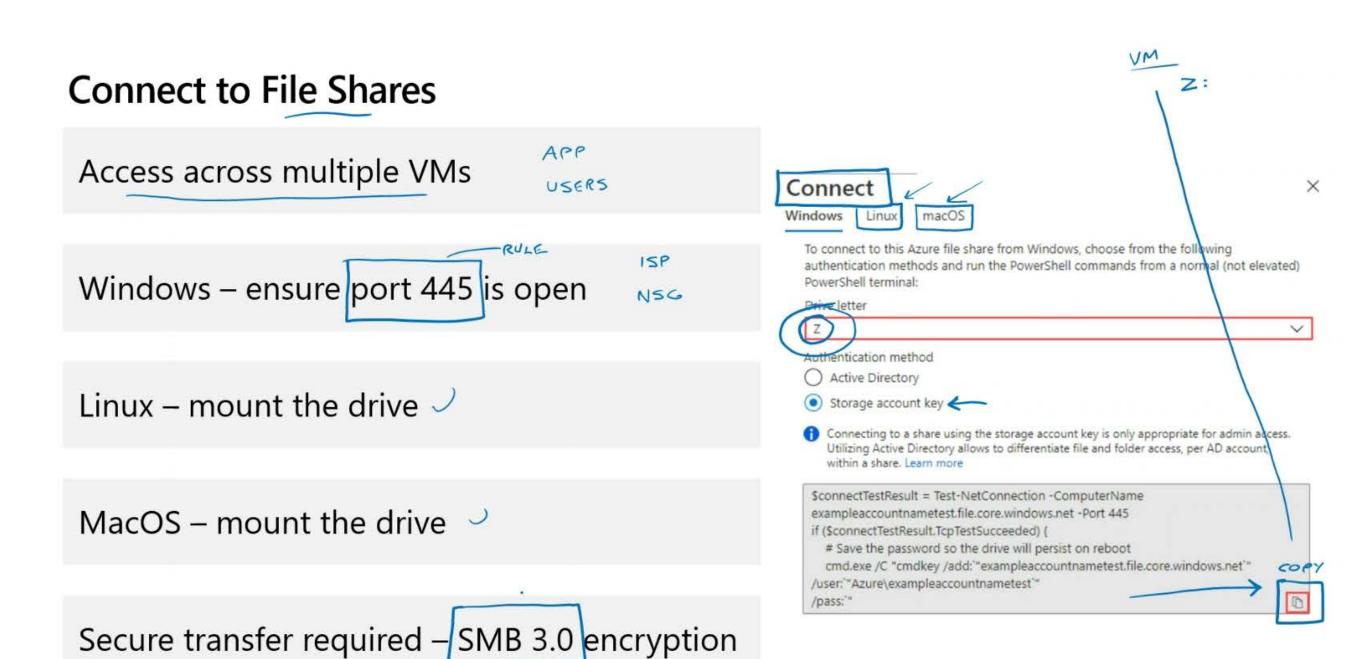
A) To allow all connections from all networks B) To allow all connection from a private IP address range C) To deny all connections from all networks

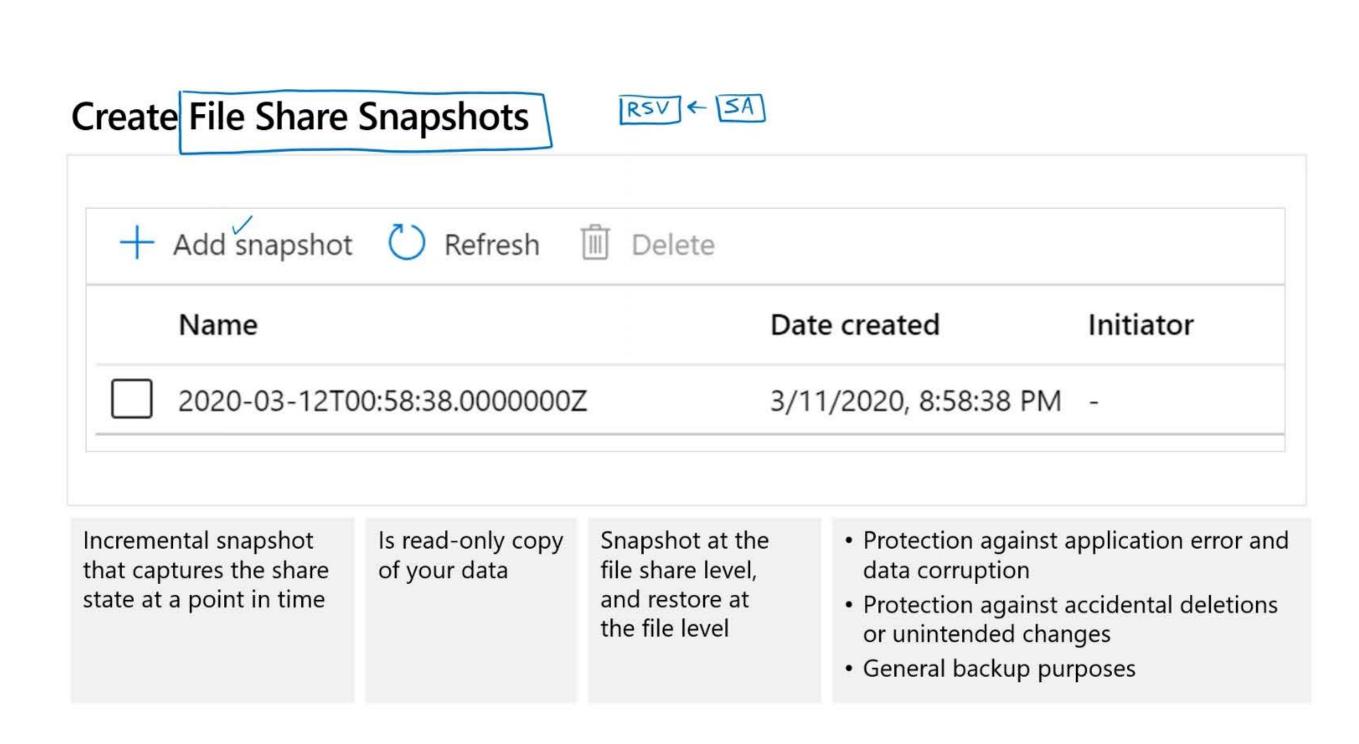
Configure Azure Files and File Sync Summary and Resources Introduction





Connect to File Shares Create File Share Snapshots Azure File Sync (see below) Configure Storage with Tools (optional) Summary and Resources * File Sync is part of the Learn module but not included here





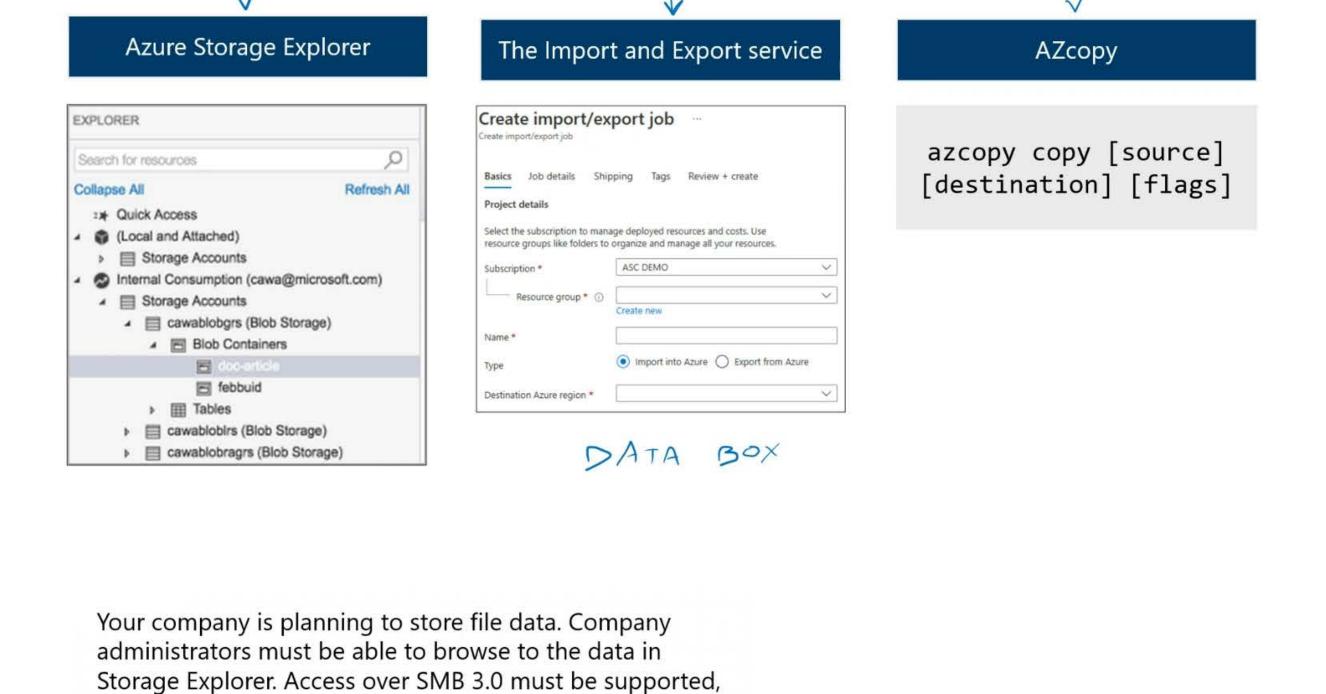
Azure File Sync

Configure Storage with Tools

ompatibility of an on-premises file server

entralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and





You need to choose the storage type to meet the requirements. Which storage type should you use? Select one. A) Azure Files B) Table storage C) Blob storage Your company has a file server named FS01. The server has

and the storage must support quotas.

a single shared folder that users' access to shared files. The company wants to make the same files available from other files servers and from Azure. Files deleted should be automatically synchronized. You need to implement a solution to meet the requirements. What should you do? Select one. A) Install and use AZCopy.

B) Deploy Azure File Sync. C) Deploy storage tiering.

b

a

Summary and Resources - Configure Azure Files and File Sync

Microsoft Learn Modules (docs.microsoft.com/Learn)

https://docs.microsoft.com/learn/modules/extend-share-capacity-with-azure-file-sync/ -

https://docs.microsoft.com/learn/modules/implement-hybrid-file-server-infrastructure/ -

https://docs.microsoft.com/learn/modules/upload-download-and-manage-data-with-azure-storage-

explorer/ -

https://docs.microsoft.com/learn/modules/export-data-with-azure-import-export/

https://docs.microsoft.com/learn/modules/copy-blobs-from-command-line-and-code/ -