

## Questions

1. Difference about Availability Zone and Scale Sets
  2. \$ While deploying the vm check the storage available (resize)
  3. \$ What happens if we don't delete the files in the access tier of Blob after the number of days?
  4. \$ Can we update the azure disk storage types such that Standard hdd can be updated to standard ssd? Temporary vs Managed disk
  5. \$ Priority order of the disks Disk>Blobs>Files>tables>Queues
  6. ! Transaction optimized tier in azure blob storage
  7. \$ Can we update from grs to zrs or vice versa Or other redundancy
  8. GRS VS RAGRS cost vs access and need and possibilities of switching between them. (adding extra permutations of the possibilities will be better).
  9. \$ Why is AzCopy only unidirectional and how do you connect Azure to your CMD. What are the prerequisites?
  10. \$ Lifecycle Management in Azure Storage
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2. \$ While deploying the vm check the storage available (resize)

- After deploying the VM, we are able to change the size of the ram memory
  - You can expand data disks without deallocating your VM. [source](#)
    - if data disk size is less than 4TB, should deallocate or detach to the VM to expand
    - more than 4TB, you can expand the disk size without deallocation or detach to VM.
  - The new size should be greater than the existing disk size.
  - The maximum allowed is 4,095 GB for OS disks.
  - after extending the size, extend the VM Disk size in *diskpart* of the VM.
  - The temporary storage is erased as you restart or stop and start the VM
  - The newly attached dataDisk can be used if you want to persist the data in the VM.
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3. \$ What happens if we don't delete the files in the access tier of Blob after the number of days?

The files remain there till we add a policy or rule to change to different tier. The rules can be added in life-cycle management.

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4. \$ Can we update the azure disk storage types such that Standard hdd can be updated to standard ssd? Temporary vs Managed disk

- I don't think we have that much control to change from SSD to HDD of the default disk of a VM.
- We can attach another disk of SSD or HDD to that VM.

7. \$ Can we update from grs to zrs or vice versa Or other redundancy

secondstoragedatha | Redundancy

Storage account

Search

Queues

Tables

Security + networking

Networking

Front Door and CDN

Access keys

Shared access signature

Encryption

Microsoft Defender for Cloud

Data management

Redundancy

Data protection

Object replication

Blob inventory

Azure Storage redundancy copies your data so that it is protected from transient hardware failures, network or power outages, and natural disasters. If an outage renders the primary endpoint unavailable, then you can initiate a failover to the secondary endpoint to rapidly restore write access to your data. [Learn more about storage account failover](#)

Redundancy: Read-access geo-redundant storage (RA-GRS)

Last failover time: -

Storage endpoints: [View all](#)

Location	Data center type
East US	Primary
West US	Secondary

Available

- We can convert from GRS to RA-GRS.
- failover is only available for GRS and RA-GRS
- There will be no data loss or application down-time
- Redundancy cannot be changed during while failover is in process.

43045 | Overview > secondstoragedatha

a | Redundancy

Save
Discard
→ Prepare for failover
Refresh
Give feedback

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Redundancy
Read-access geo-redundant storage (RA-GRS)

Last failover time
-

Storage endpoints
[View all](#)

Location	Data center type	Status	Failover
East US	Primary	Available	-
West US	Secondary	Available	-

Failover

Cancel

Failover

The storage account secondary endpoint will become the primary endpoint after failover completes. Please understand the following impact to your storage account before you initiate the failover:

- Your last sync time is **12/5/2023, 10:51:41 AM**. You may lose any data after this time if you initiate the failover.
- After the failover of a GRS or RA-GRS account, your storage account replication will be converted to a locally-redundant storage(LRS) account. You can convert your account to use GRS or RA-GRS.
- Once you re-enable GRS or RA-GRS replication on your storage account, Microsoft will replicate data to your new secondary region. Replication time is dependent on the amount of data to be replicated. Please note that there are bandwidth charges for this data transfer. [Learn more](#).

Confirm failover

Type 'yes' to confirm

9. \$ Why is AzCopy only unidirectional and how do you connect Azure to your CMD. What are the prerequisites?

- Azcopy cannot be bi-directional at a time. Interchanging source and destination will change the direction.
- Azcopy can be connected to CMD by downloading and interacting with that utility using terminal.

10. \$ Lifecycle Management in Azure Storage

In the lifecycle management, you can add rules to change the blob tiers automatically at certain conditions in the storage accounts.