

# # Mastercloud | Trilha #01 - Aula 06

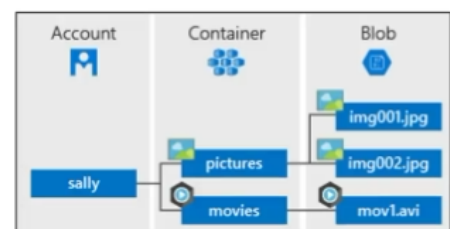
## Lab: [Manage Azure Storage](#)

### Storage account

- Blob:

### Blob Storage

- Stores unstructured data in the cloud
- Can store any type of text or binary data
- Also referred to as *object storage*
- Common uses:
  - Serving images or documents directly to a browser
  - Storing files for distributed access
  - Streaming video and audio
  - Storing data for backup and restore, disaster recovery, archiving
  - Storing data for analysis by an on-premises or Azure-hosted service



### Blob Lifecycle Management

Blob Lifecycle Management allows for:

- Transitioning of blobs to a cooler storage tier to optimize for performance and cost
- Delete blobs at the end of their lifecycle
- Apply rules to filtered paths in the Storage Account

The screenshot shows the 'Rule name' field set to 'rule01'. Under the 'Blobs' section, there are three rules, each with a checkbox and a 'Days after last modification' field:

- ☒ Move blob to cool storage  
Days after last modification: 30
- ☒ Move blob to archive storage  
Days after last modification: 180
- ☒ Delete blob  
Days after last modification: 365

Under the 'Snapshots' section, there is one rule with a checkbox and a 'Days after blob is created' field:

- ☒ Delete snapshot  
Days after blob is created: 30

- Tipos de blob:
  - Page blob: Leitura e escrita com muita frequência
  - Block blobs: A nível de bloco, alto rate de leitura e escrita, otimizado para ambientes com MUITOS arquivos.

- Estudos sobre redundância:

#### Instance details

Storage account name ⓘ \*

Region ⓘ \*

Performance ⓘ \*

Redundancy ⓘ \*

#### Locally-redundant storage (LRS):

Lowest-cost option with basic protection against server rack and drive failures. Recommended for non-critical scenarios.

#### Geo-redundant storage (GRS):

Intermediate option with failover capabilities in a secondary region. Recommended for backup scenarios.

#### Zone-redundant storage (ZRS):

Intermediate option with protection against datacenter-level failures. Recommended for high availability scenarios.

#### Geo-zone-redundant storage (GZRS):

Optimal data protection solution that includes the offerings of both GRS and ZRS. Recommended for critical data scenarios.

Locally-redundant storage (LRS)

teams.microsoft.com is sharing your screen.

Stop sharing

Hide

- Access Key - Usuário e senha para login ao storage
- Tipos de storage:

## Storage Account Kinds

Storage account type	Supported services	Supported tiers	Replication options
BlobStorage	Blob (block blobs and append blobs only)	Standard	LRS, GRS, RA-GRS
Storage (general purpose v1)	Blob, File, Queue, Table, and Disk	Standard, Premium	LRS, GRS, RA-GRS
StorageV2 (general purpose v2)	Blob, File, Queue, Table, and Disk	Standard, Premium	LRS, GRS, RA-GRS, ZRS, ZGRS (preview), RA-ZGRS (preview)
Block blob storage	Blob (block blobs and append blobs only)	Premium	LRS, ZRS (limited regions)
File Storage	Files only	Premium	LRS, ZRS (limited regions)

✓ All storage accounts are encrypted using Storage Service Encryption (SSE) for data at rest

- Migração de dados: Azure storage mover.

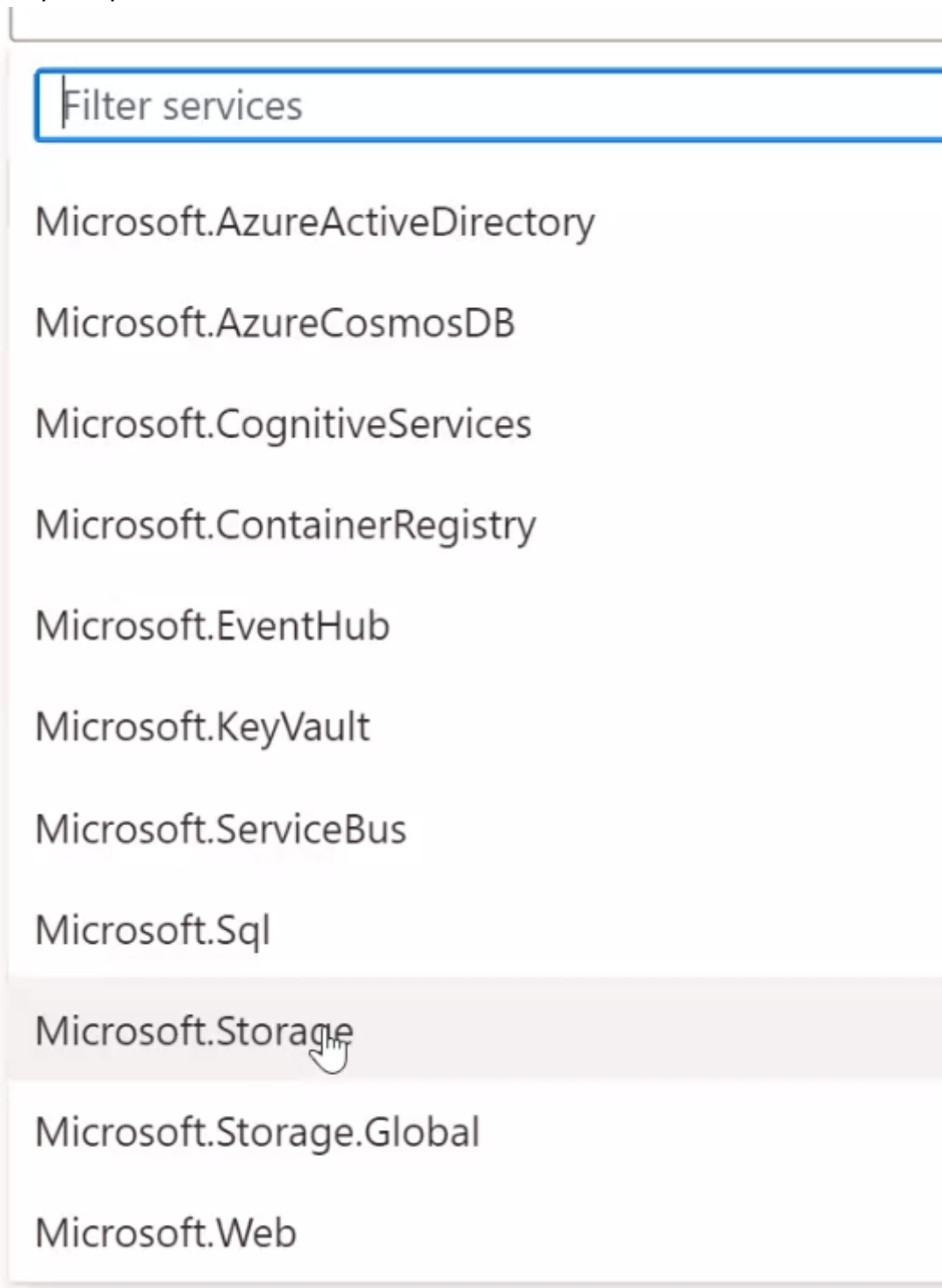
- Acesso ao blob:

## Accessing Storage

CNAME record	Target
blobs.contoso.com	contosoblobs.blob.core.windows.net

- Every object has a unique URL address
- The storage account name forms the subdomain of that address
- The subdomain and domain name forms an *endpoint*
  - **Container service:** <http://mystorageaccount.blob.core.windows.net>
  - **Table service:** <http://mystorageaccount.table.core.windows.net>
  - **Queue service:** <http://mystorageaccount.queue.core.windows.net>
  - **File service:** <http://mystorageaccount.file.core.windows.net>
- If you prefer you can configure a custom domain name

Endpoint para PAAS:



NVA - Network virtual appliance equivale ao Firewall.