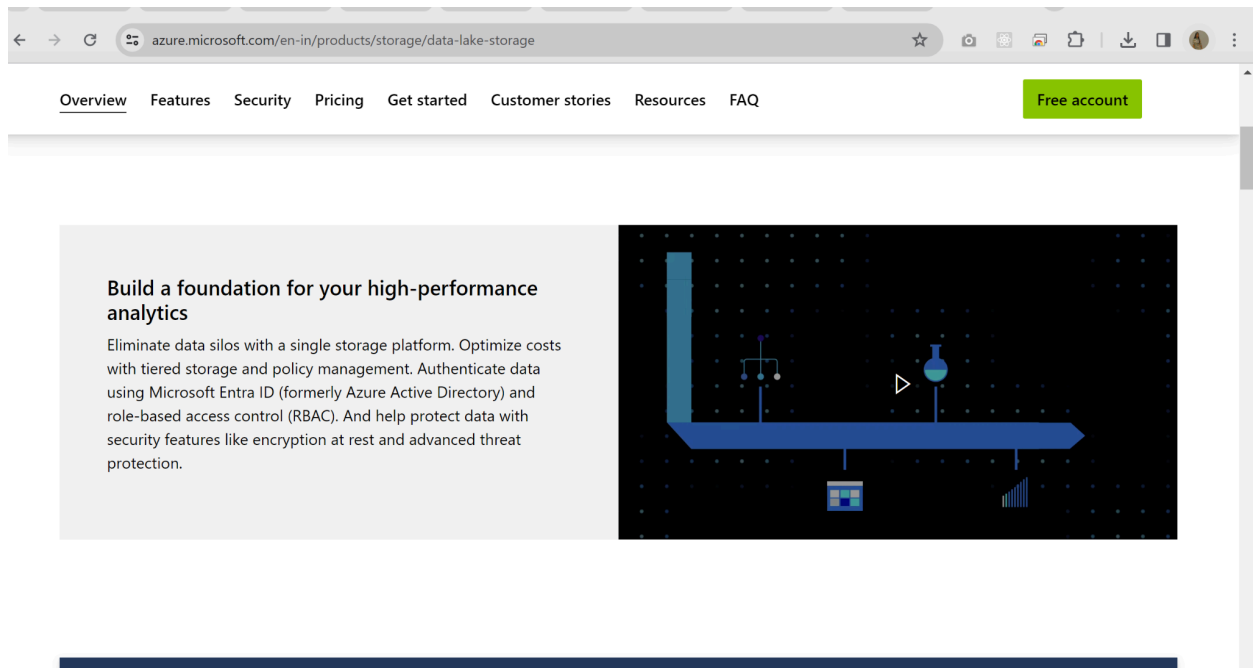Asmita Porwal
Batch-1
Day-20
16/02/2024
Data engineering

Assignment-20

Azure Data Lake Storage (ADLS):

Azure Data Lake Storage (ADLS) is a highly scalable and secure cloud-based storage solution optimized for big data analytics. It's part of the Azure Data Lake suite, designed to handle large volumes of structured and unstructured data for analytics, machine learning, and other data-intensive workloads.

Hand written notes:

ADLS :- Azure Data lake Storage

Service Name : Azure data lake storage gen-1

If you want to store data without performing analysis on the data, set the heirarchial Namespace option as disabled to set up storage account as an azure blob storage account. You can blob storage to archive rarely used data or to store website assets such as in & media
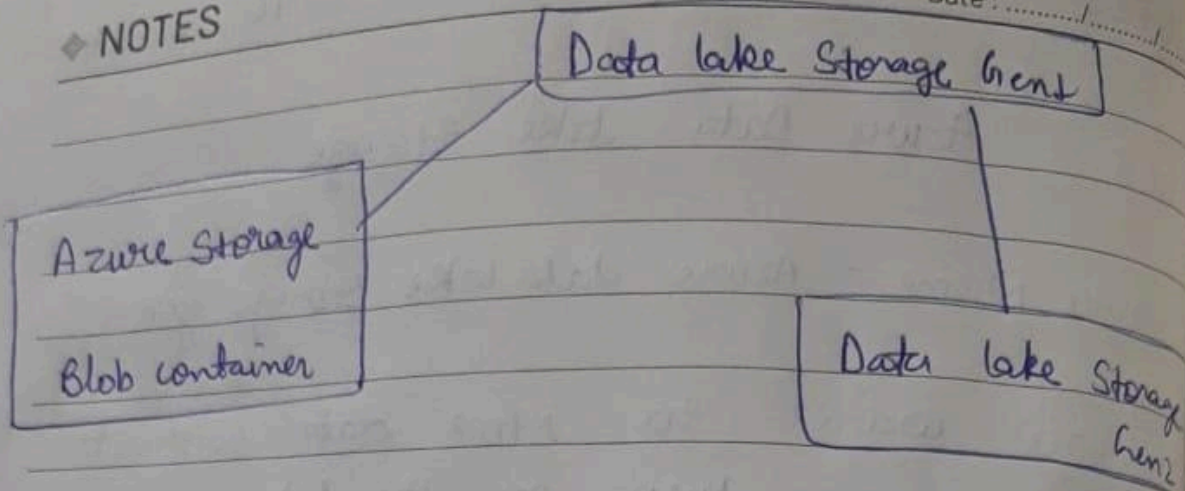
If you are performing analytics on data

Enabled Because Azure data lake storage gen2 integrated into Azure data storage platform.

Stages for processing

- An enterprise datawarehouse
- Advanced structured data
- A real time analytical solution

Data lake Storage Gen1

Azure Storage

Blob container

Data lake Storage Gen2

ADLS - Azure data lake storage Gen1
Service Name in Azure

Creating data lake on Azure Storage :

Home >

storage1060
Storage account

Search	
Overview	
Activity log	
Tags	
Diagnose and solve problems	
Access Control (IAM)	
Data migration	
Events	
Storage browser	
Data storage	
Containers	
File shares	
Queues	
Tables	
Security + networking	
Networking	

Subscription (move)
Azure subscription 1

Subscription ID
984f097c-963c-4eb6-a20d-839457ae9f08

Disk state
Primary: Available, Secondary: Available

Tags (edit)
Add tags

Provisioning state
Succeeded

Created
2/16/2024, 2:09:03 PM

Properties   Monitoring   Capabilities (5)   Recommendations (0)   Tutorials   Tools + SDKs

Data Lake Storage

Hierarchical namespace	Enabled
Default access tier	Hot
Blob anonymous access	Disabled
Blob soft delete	Enabled (7 days)
Container soft delete	Enabled (7 days)
Versioning	Disabled
Change feed	Disabled
NFS v3	Disabled

Security

Require secure transfer for REST API operations	Enabled
Storage account key access	Enabled
Minimum TLS version	Version 1.2
Infrastructure encryption	Disabled

Networking

Allow access from	All networks
Number of private endpoint connections	0

Home > storage1060

storage1060 | Containers
Storage account

Search	
Overview	
Activity log	
Tags	
Diagnose and solve problems	
Access Control (IAM)	
Data migration	
Events	
Storage browser	
Data storage	
Containers	
File shares	
Queues	
Tables	
Security + networking	
Networking	

+ Container   🔒 Change access level   ↻ Restore containers ⌄   ↻ Refresh   🗑 Delete   Give feedback

Search containers by prefix   ⬤ Show deleted containers

Name	Last modified	Anonymous access level	Lease state	
$logs	16/02/2024, 14:09:54	Private	Available	...
datalakecontainer	16/02/2024, 20:17:47	Private	Available	...

Local: