

Assignment-20

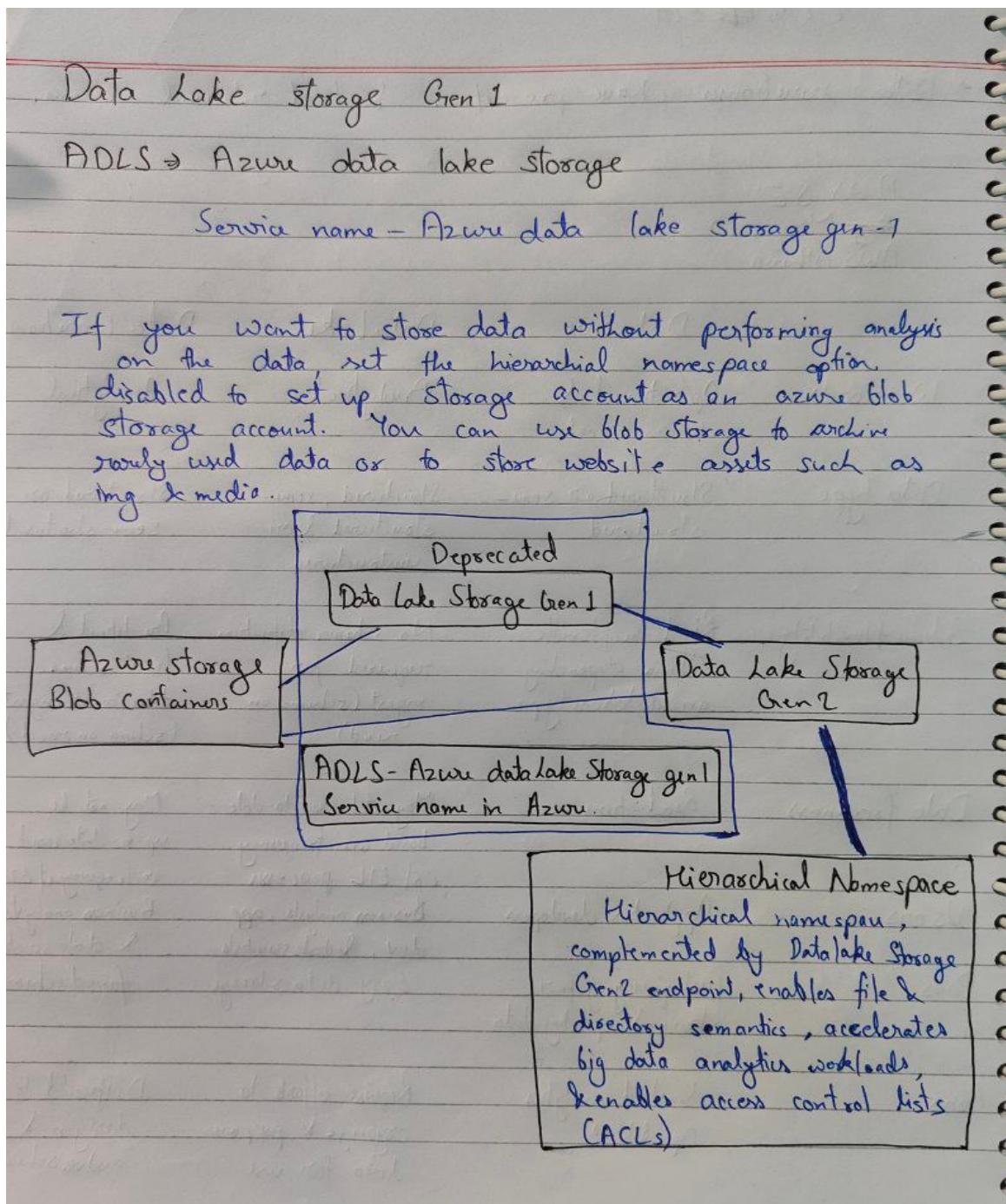
Name- Ajay Chaudhary

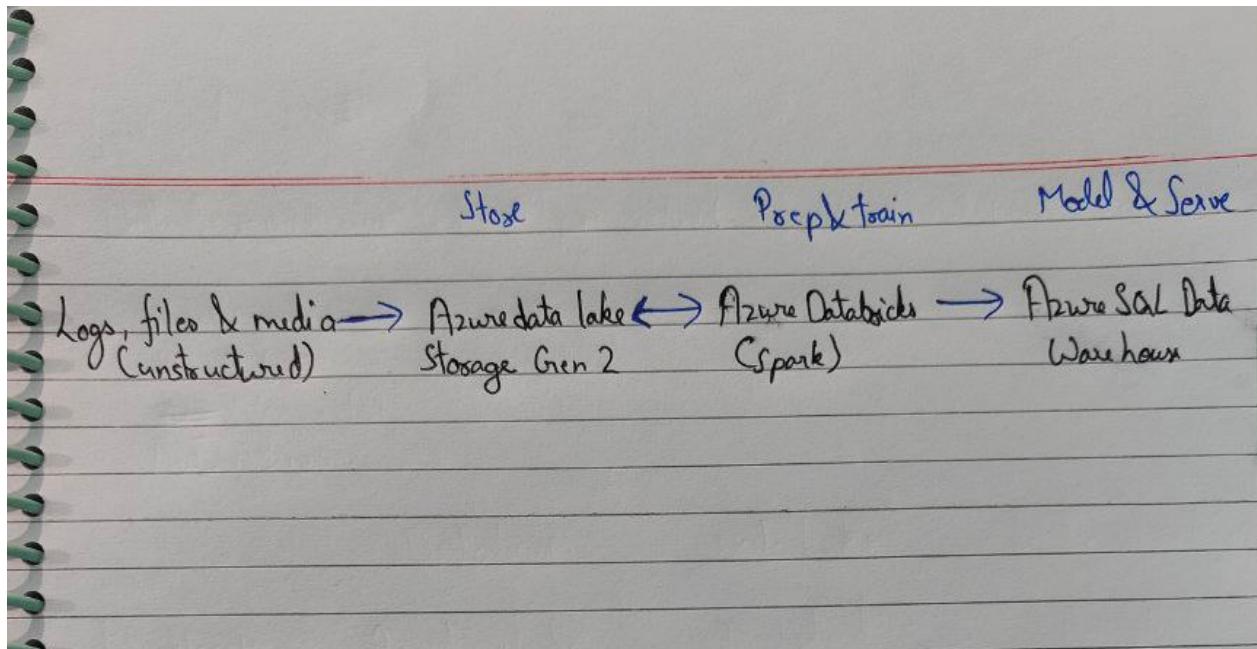
Batch-Data Engineering(Batch-1)

ADLS

In Azure Blob storage, you can store large amounts of unstructured ("object") data in a flat namespace within a blob container. Blob names can include "/" characters to organize blobs into virtual "folders", but in terms of blob manageability the blobs are stored as a single-level hierarchy in a flat namespace.

Handwritten notes-





Creating data lake on azure storage

Create a storage account

Basics **Advanced** **Networking** **Data protection** **Encryption** **Tags** **Review**

Hierarchical Namespace

Hierarchical namespace, complemented by Data Lake Storage Gen2 endpoint, enables file and directory semantics, accelerates big data analytics workloads, and enables access control lists (ACLs) [Learn more](#)

Enable hierarchical namespace

Access protocols

Blob and Data Lake Gen2 endpoints are provisioned by default [Learn more](#)

Enable SFTP To enable SFTP, 'hierarchical namespace' must be enabled.

Enable network file system v3 To enable NFS v3 'hierarchical namespace' must be enabled. Learn more about NFS v3

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Create a storage account

Basics * Advanced Networking Data protection Encryption Tags Review

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Enable SFTP Enable network file system v3

Blob storage

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Connecting account to local

workspace1064 Storage account

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser

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

Security

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

Networking

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Microsoft Azure Storage Explorer

File Edit View Help

EXPLORER Get Started x datalekatest x datalekatest1064 x

Upload Download Open Preview New Folder Select All Copy Paste Clone Rename Move Manage ACLs Properties Delete Undelete Folder Statistics Refresh

Active blobs (default) datalekatest1064 Filter by prefix (case-sensitive)

Name	Access Tier	Last Modified	Blob Type	Content Ty
test.json	Hot (inferred)	2/16/2024 4:27 PM	Block Blob	application/

Showing 1 to 1 of 1 cached items

Actions Properties Activities

URL https://workspace1064.

Custom Domain

Type Blob Container (ADLS G)

HNS Enabled true

DPS Endpoint https://workspace1064.

Lease State available

Lease Status unlocked

Public Read Access off

Clear completed Clear successful

Successfully added new connection.

Successfully added new connection.

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