Custom Learnings

Day 19

Azure Databricks

It is a managed service. Provides platform for spark. Acts as a spark engine.

Whenever we request any cluster that is provided by Azure.

Catalog: Data where we can view the created tables.

Cluster creation: VMs get created at the backend.

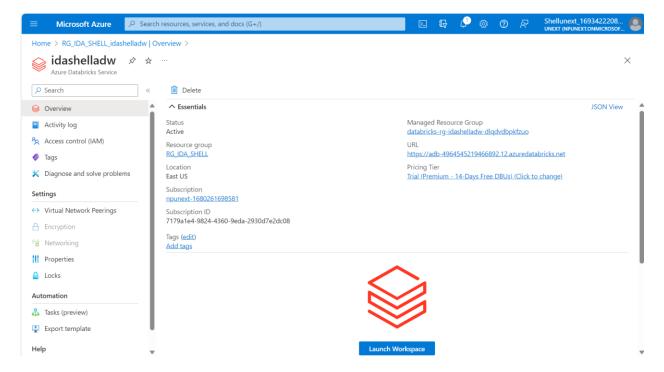
ALL-PURPOSE COMPUTE: To run a notebook we need this. But for scheduling purposes, it needs to run all the time, which is not recommended.

JOB COMPUTE: The cluster starts only at the schedule time and terminates even if the job fails.

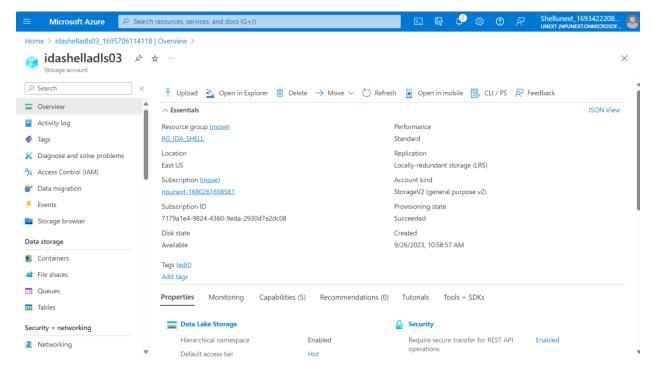
POOLS: We create VMs and then it reduces the cluster start time.

Mount: To access the data stored in our storage account/adls gen2 we need to mount it in our databricks. The ideal way is to do it through Azure Key Vault.

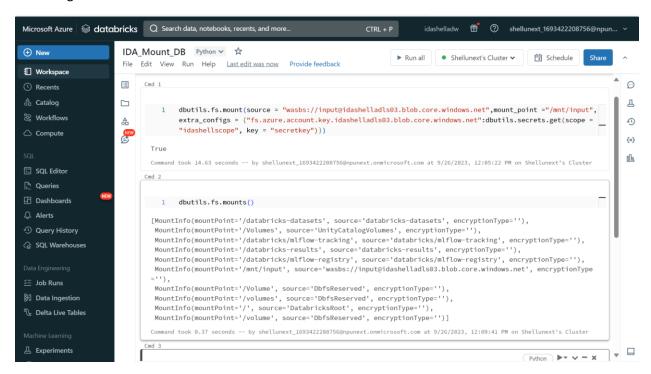
Creation of azure databricks:



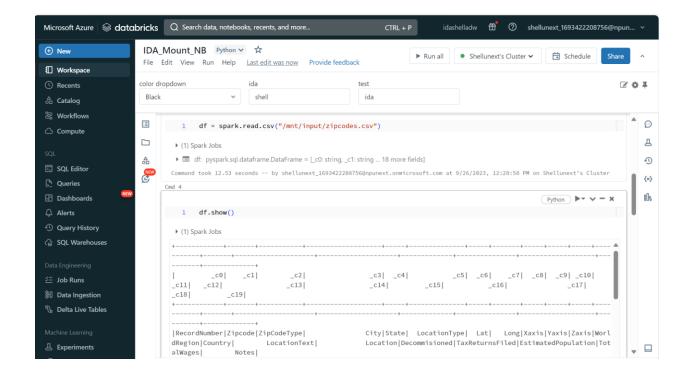
Creation of storage account:



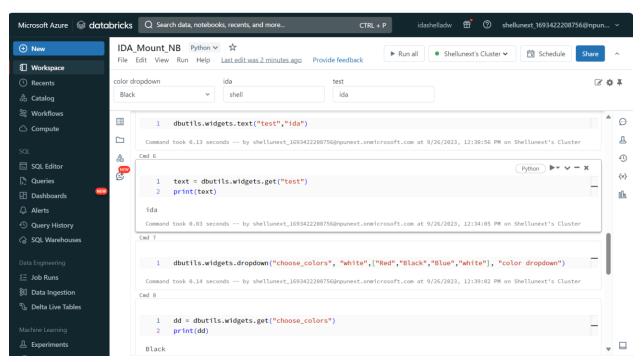
Mounting:

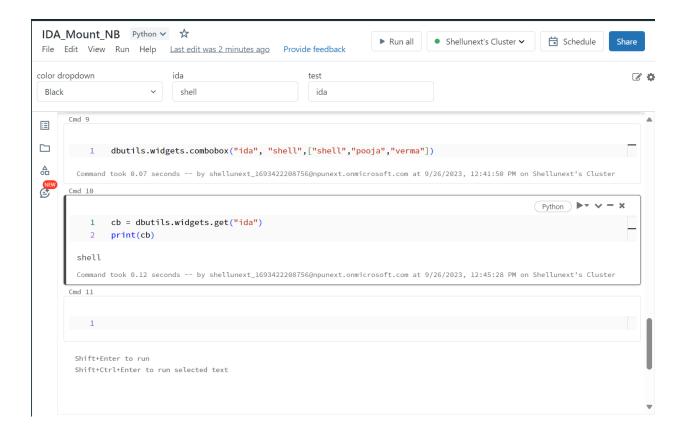


Dataframe

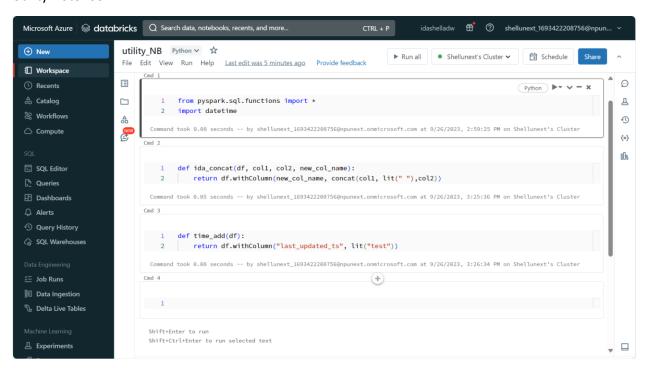


Widgets: To create parameters in the notebook.

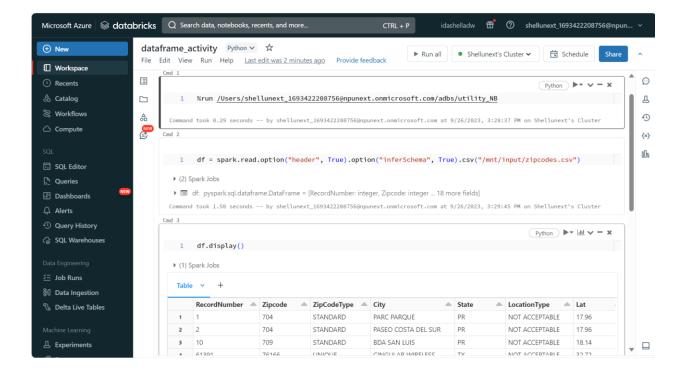




Utility NoteBook:



DataFrame Activity:



Structured Streaming:

Used to process the data immediately after it gets pushed into the source location.

