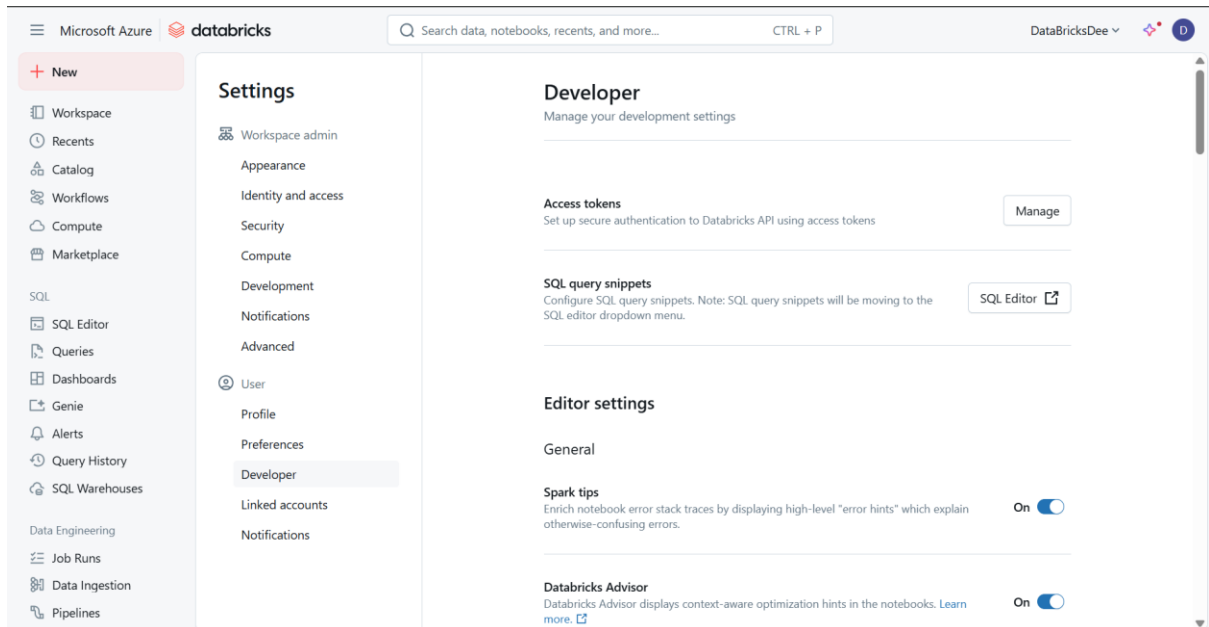


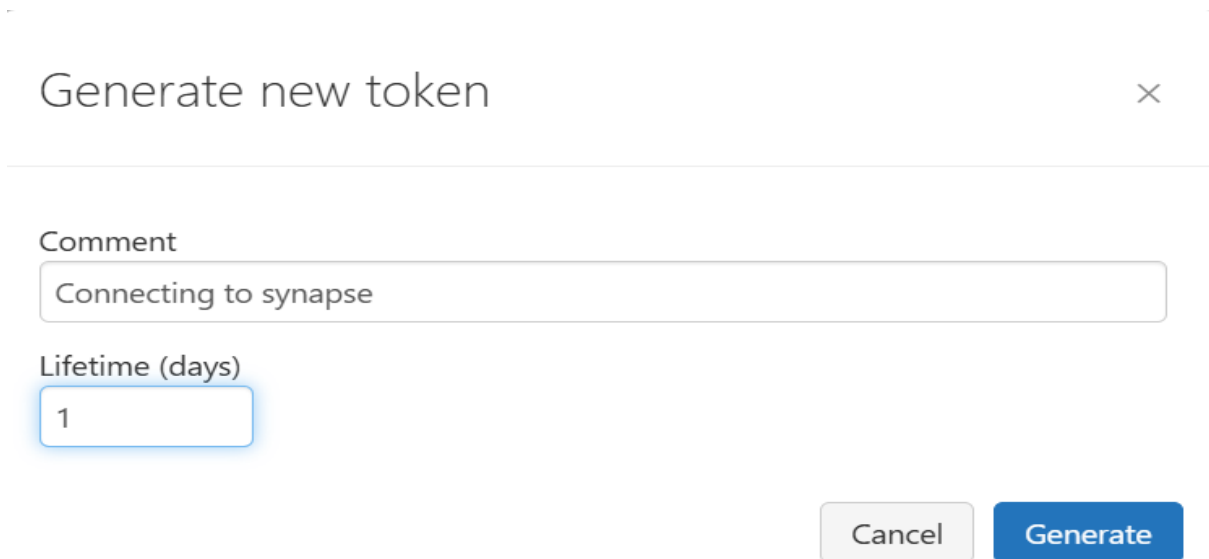
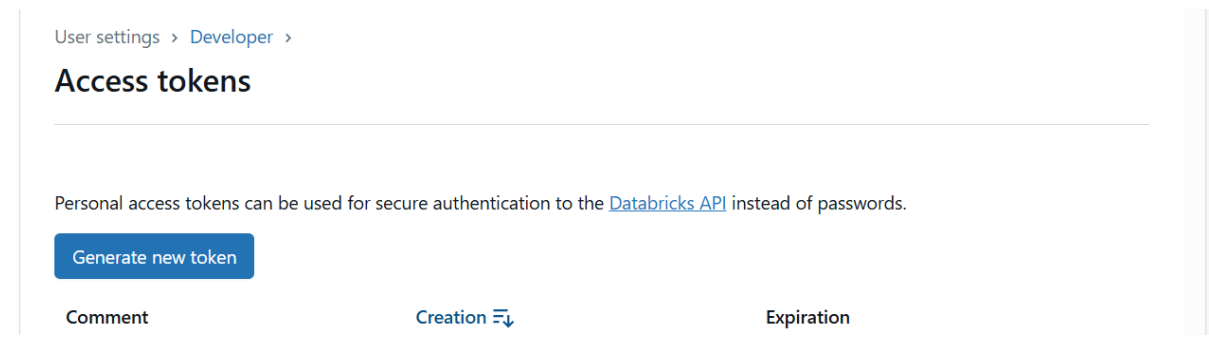
Connect notebook using synapse workspace

First, we have to generate Access token in Data bricks

For that we have to go to profile -> settings -> user -> Developer -> Access token -> Manage



Manage - > Generate new token.



Need to copy token immediately.

Now we have to create a secret key for access token in key vault

Go to key vault -> Objects -> Secrets -> Generate/ Import

Home > Key vaults > deepthikv

»

deepthikv | Secrets

☆ ...

Key vault

Search

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Access policies

Resource visualizer

Events

Objects

Keys

Secrets

Certificates

Settings

Monitoring

Automation

Help

+

Generate/Import

↺

Refresh

↶

Restore Backup

🔗

Manage deleted secrets

</>

View sample code

Name	Type	Status	Expiration date
Accesskey		✓ Enabled	
blobkey		✓ Enabled	
pswd		✓ Enabled	
sqlurl		✓ Enabled	
sqlusername		✓ Enabled	

Add or remove favorites by pressing Ctrl+Shift+F

Give feedback

Home > Key vaults > deepthikv | Secrets >



Create a secret



Upload options: Manual

Name: databricksaccesstoken

Secret value: [Redacted]

Content type (optional):

Set activation date: ☐

Set expiration date: ☐

Enabled: Yes No

Tags: 0 tags

Create Cancel

Home > Key vaults > deepthikv

deepthikv | Secrets

Activity log Access control (IAM) Tags Diagnose and solve problems

+ Generate/Import Refresh Restore Backup Manage deleted secrets View sample code

The secret 'databricksaccesstoken' has been successfully created.

Creating the secret 'databricksaccesstoken'. The secret 'databricksaccesstoken' has been successfully created.

Name	Type	Status	Expiration date
databricksaccesstoken		✓ Enabled	

Now we have to create linked services for both Key vault and data bricks.

Go to synapse -> Manage -> Linked services -> New

Microsoft Azure | Synapse Analytics | deepthiworkspace

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Accept Reject More options

Synapse live Validate all Publish all

Connector upgrade advis...

Analytics pools

SQL pools

Apache Spark pools

Data Explorer pools (prev...

External connections

Linked services

Microsoft Purview

Integration

Triggers

Integration runtimes

Security

Access control

Credentials

Managed private endpoi...

Configurations + libraries

Linked services

Linked services are much like connection strings, which define the connection information needed for Azure Synapse Analytics to connect to external resources. Learn more

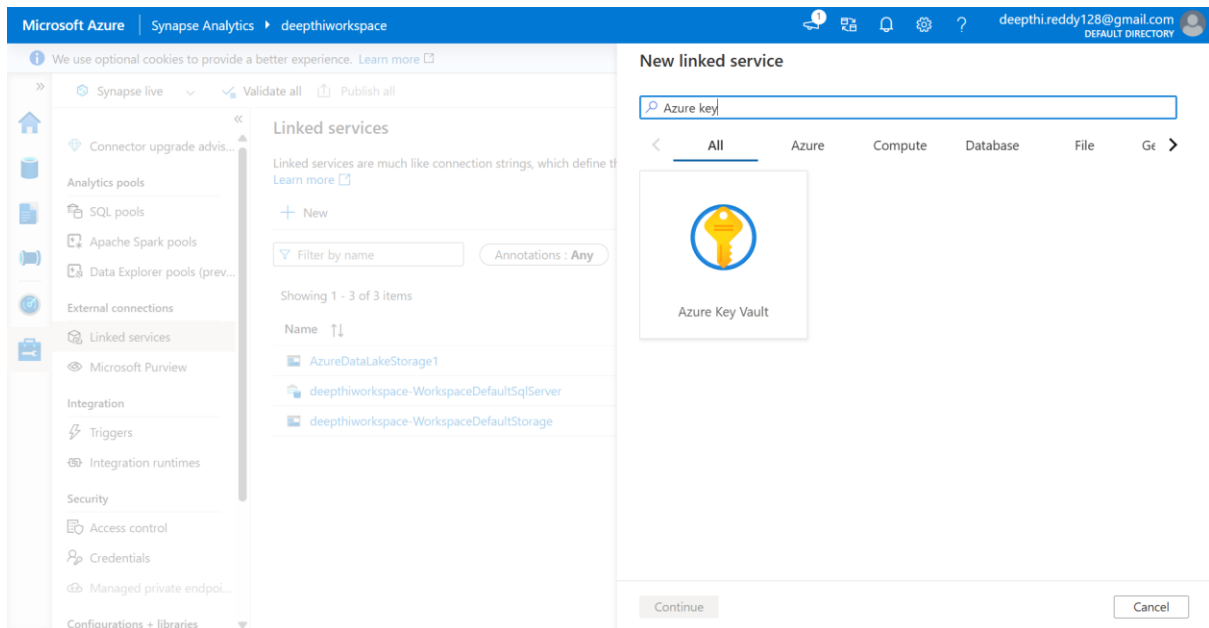
+ New

Filter by name Annotations: Any

Showing 1 - 3 of 3 items

Name	Type	Related	Annotations
AzureDataLakeStorage1	Azure Data Lake Storage Gen2	2	
deepthiworkspace-WorkspaceDefaultSqlServer	Azure Synapse Analytics	0	
deepthiworkspace-WorkspaceDefaultStorage	Azure Data Lake Storage Gen2	0	

Once we click on new, search for Azure key vault as we have to first create linked services for Azure key vault.



Once you select this option, we have provided all the details, about subscription, what key vault we have to use and then test connection.

New linked service

Azure Key Vault

Azure subscription ⓘ

Azure subscription 1 (9ff46af1-ef40-400b-a702-80d0a6f9ae2b) ▼

Azure key vault name *

deepthikv ▼

[Edit key vault](#)

Authentication method

System-assigned managed identity ▼

Managed identity name: **deepthiworkspace**
 Managed identity object ID: **49d14bb7-6653-47a5-aa9e-d4ed2a7fca7f**
 Grant workspace service managed identity access to your Azure Key Vault. [Learn more](#) ⓘ

Test connection

☒ To linked service ☐ To secret

Annotations

+ New

> Parameters

> Advanced ⓘ

Connection successful

Test connection

Once connection is successful, create the linked service.

Microsoft Azure | Synapse Analytics | deepthiworkspace

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Synapse live | Validate all | Publish all

Will be created
AzureKeyVault (Linked service) will be created when publishing.

Linked services

Linked services are much like connection strings, which define the connection information needed for Azure Synapse Analytics to connect to external resources. [Learn more](#)

+ New

Filter by name Annotations : Any

Showing 1 - 4 of 4 items

Name	Type	Related	Annotations
AzureDataLakeStorage1	Azure Data Lake Storage Gen2	2	
AzureKeyVault	Azure Key Vault	0	
deepthiworkspace-WorkspaceDefaultSqlServer	Azure Synapse Analytics	0	
deepthiworkspace-WorkspaceDefaultStorage	Azure Data Lake Storage Gen2	0	

Once it is created publish the changes for it to be saved

Microsoft Azure | Synapse Analytics | deepthiworkspace

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Synapse live | Validate all | Publishing

Linked services

Linked services are much like connection strings, which define the connection information needed for Azure Synapse Analytics to connect to external resources. [Learn more](#)

+ New

Filter by name Annotations : Any

Showing 1 - 4 of 4 items

Name	Type	Related	Annotations
AzureDataLakeStorage1	Azure Data Lake Storage Gen2	2	
AzureKeyVault	Azure Key Vault	0	
deepthiworkspace-WorkspaceDefaultSqlServer	Azure Synapse Analytics	0	
deepthiworkspace-WorkspaceDefaultStorage	Azure Data Lake Storage Gen2	0	

Publish all

You are about to publish all pending changes to the live environment. [Learn more](#)

Pending changes (1)

NAME	CHANGE	EXISTING
Linked services		
AzureKeyVault	(New)	-

Publish Cancel

Microsoft Azure | Synapse Analytics | deepthiworkspace

We use optional cookies to provide a better experience. [Learn more](#)

Synapse live | Validate all | Publish all

Publishing completed
Successfully published

Linked services

Linked services are much like connection strings, which define the connection information needed for Azure Synapse Analytics to connect to external resources. [Learn more](#)

+ New

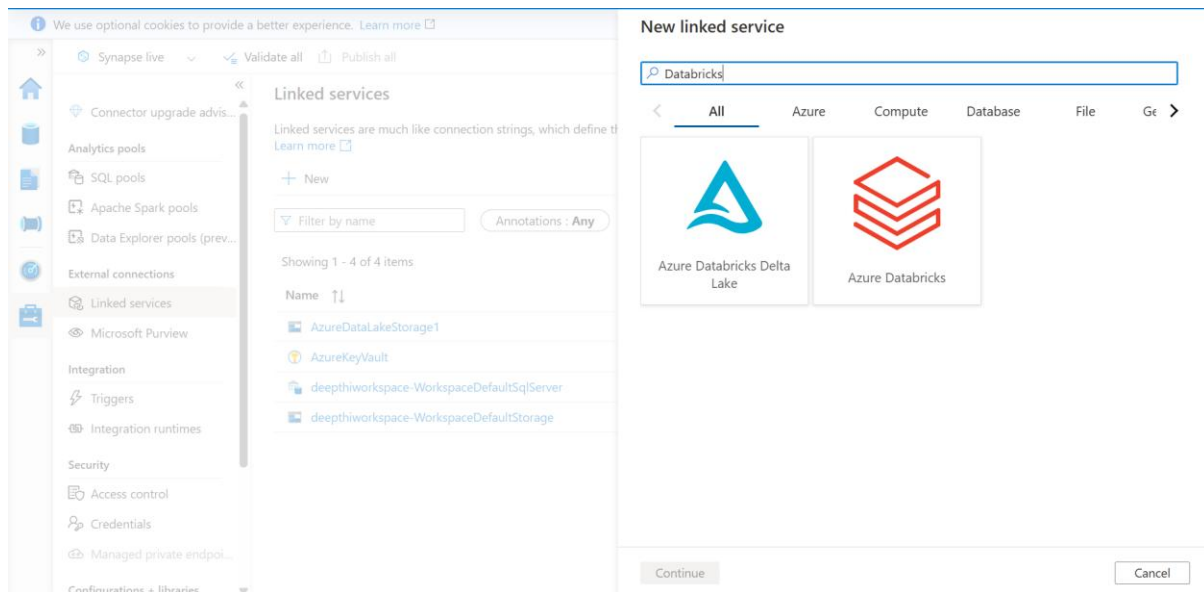
Filter by name Annotations : Any

Showing 1 - 4 of 4 items

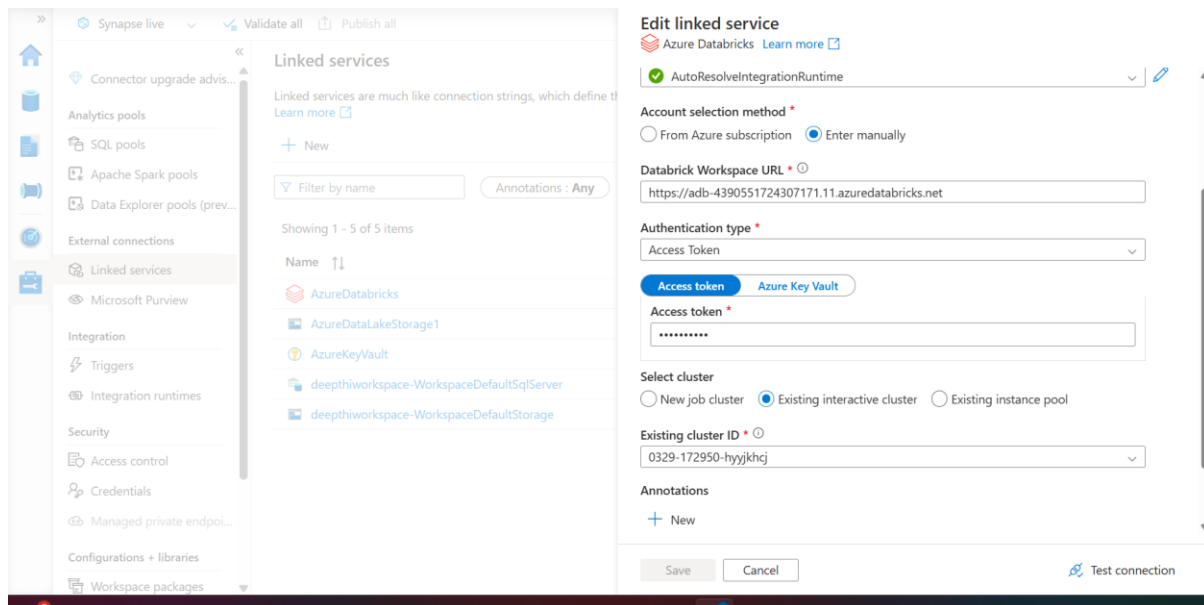
Name	Type	Related	Annotations
AzureDataLakeStorage1	Azure Data Lake Storage Gen2	2	
AzureKeyVault	Azure Key Vault	0	
deepthiworkspace-WorkspaceDefaultSqlServer	Azure Synapse Analytics	0	
deepthiworkspace-WorkspaceDefaultStorage	Azure Data Lake Storage Gen2	0	

Now create Data bricks linked service

Click on new and search for Databricks.

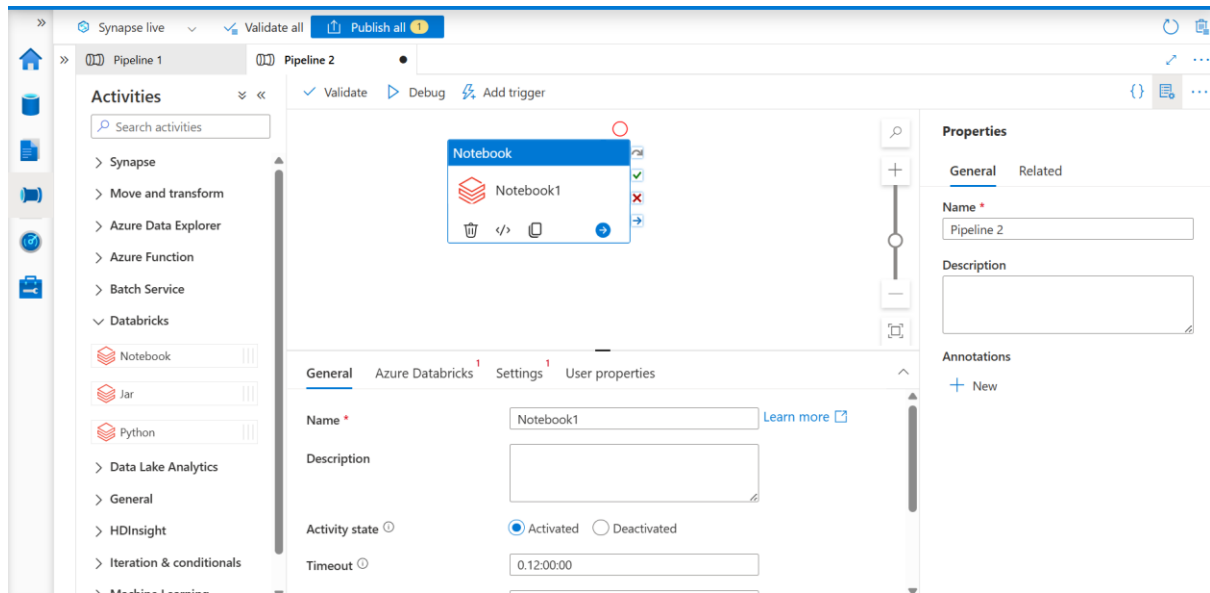


Provide all required details and test connection



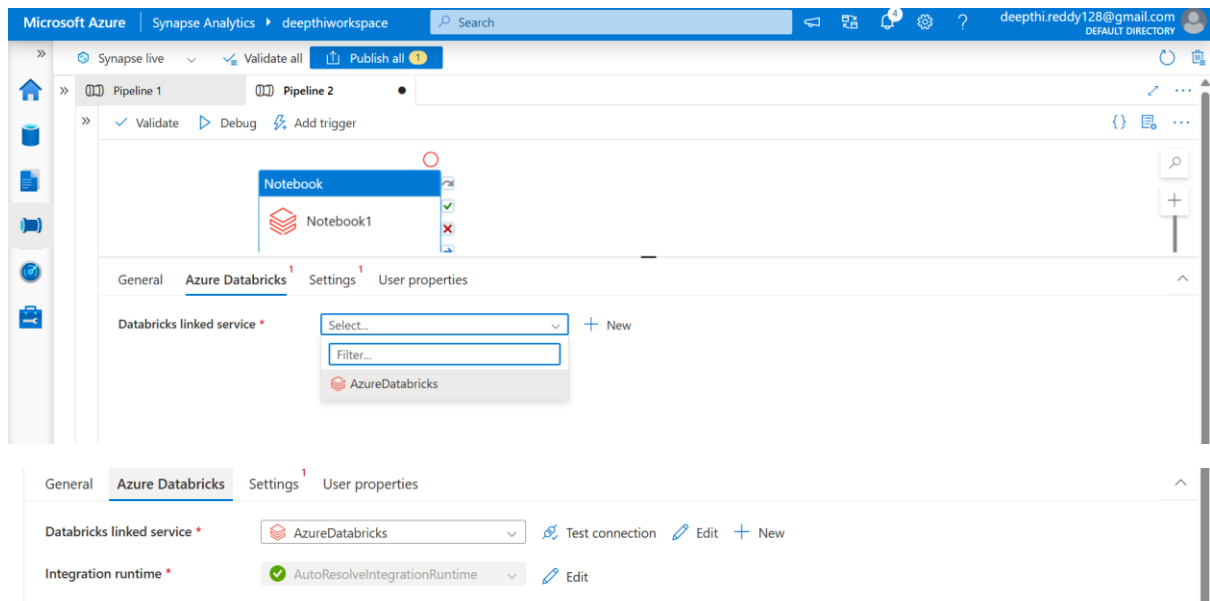
After linked services are created, create a pipeline, to run the notebook.

Go to Integrate -> new Pipeline -> drag and drop notebook from data bricks

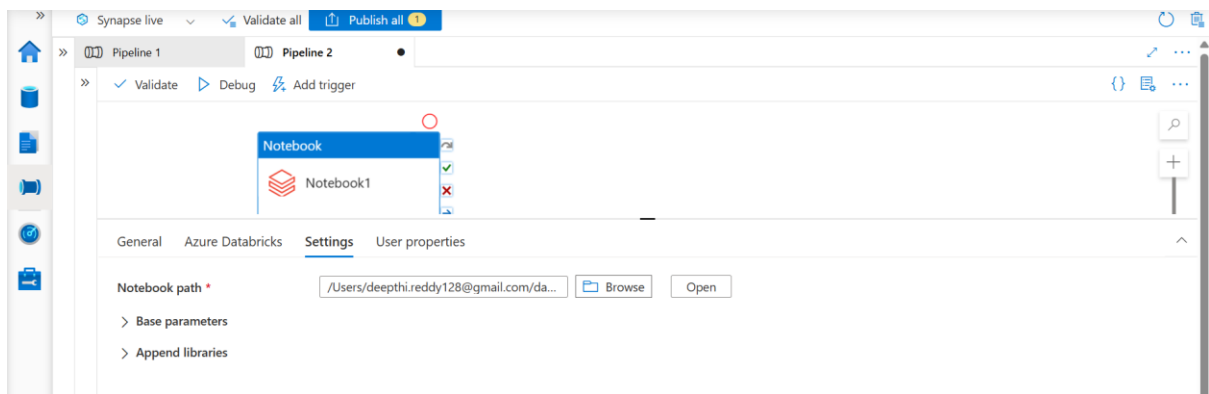
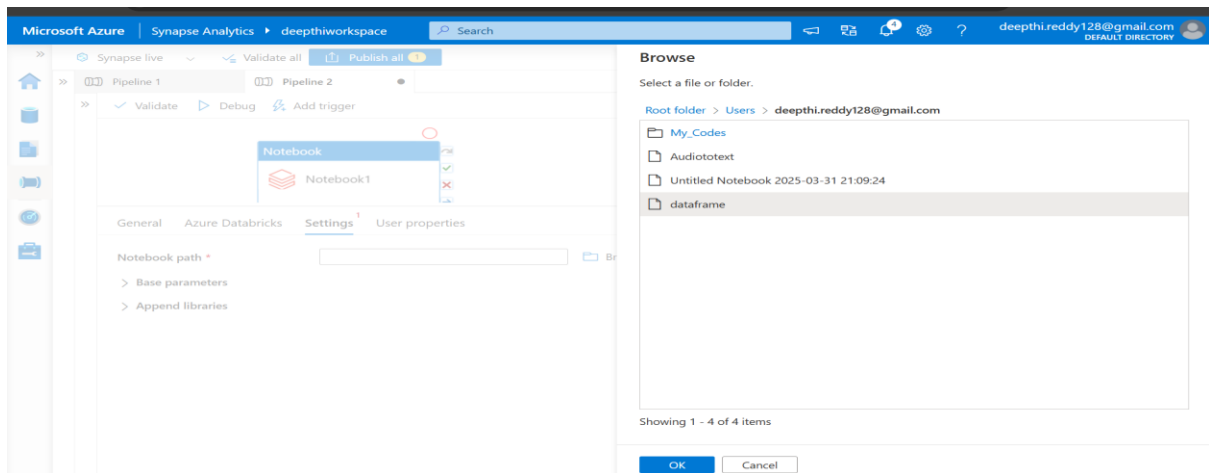


Now go to Azure data bricks section and choose linked service.

As we already created a linked service, we can directly use it.

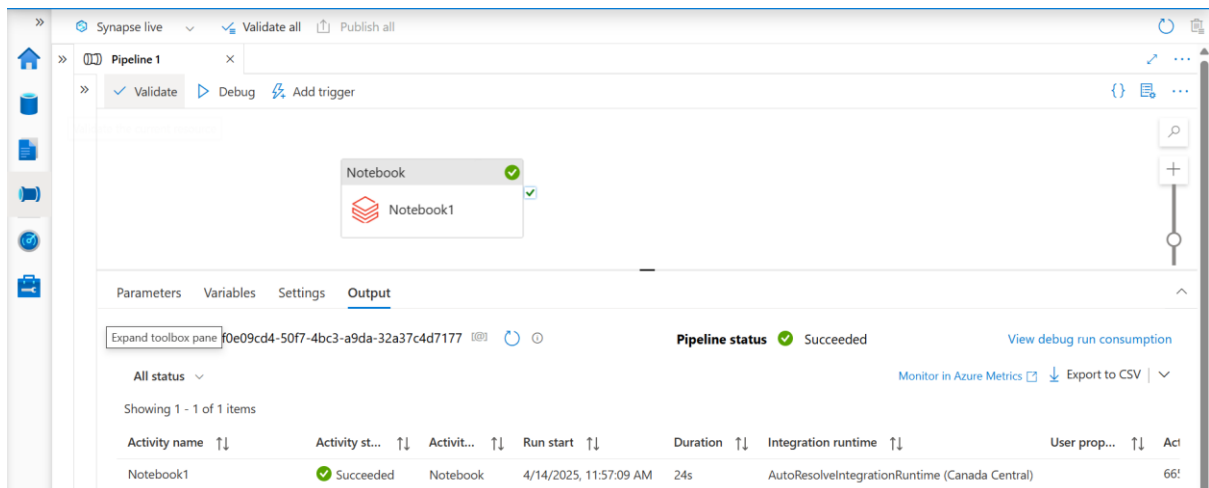


Now go to settings and choose which note book we want to run.



Validate and run pipeline.

If cluster is on it will take less time, but if cluster is off first, cluster will start and once it is up and running then it will run the notebook.



Pipeline ran successfully.