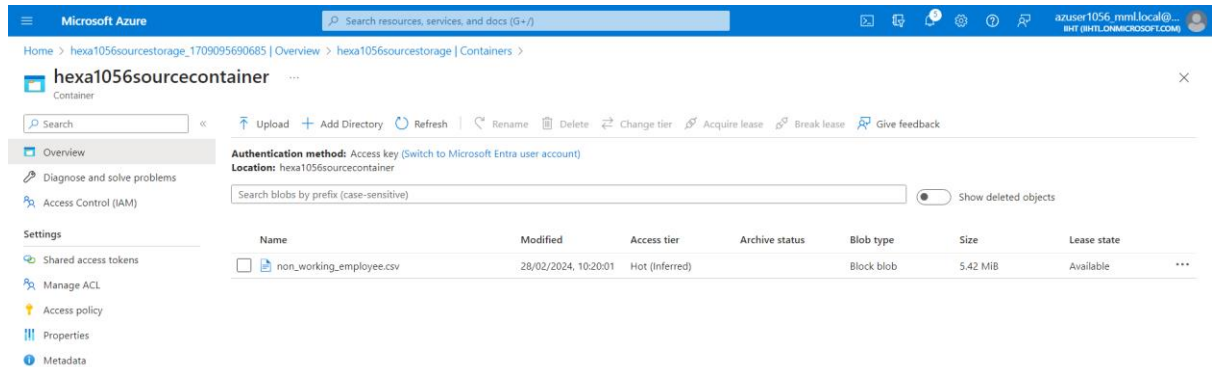


Azure DevOps Assignment 5

Pratik Wani

- Azure Synapse Analytics

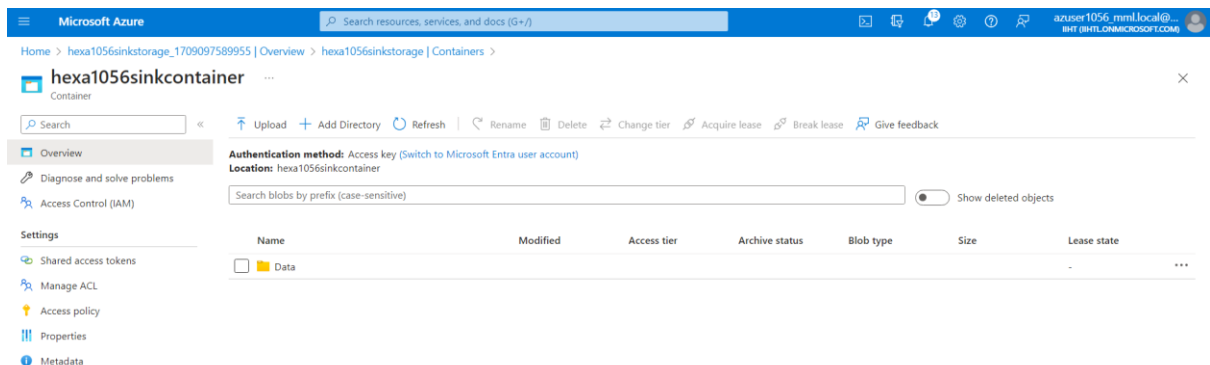
1. Create Source Storage (ADLS Gen2) and container then add data in container



The screenshot shows the Microsoft Azure portal interface for a container named 'hexa1056sourcecontainer'. The container is empty, and the table below shows the file 'non_working_employee.csv'.

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input type="checkbox"/> non_working_employee.csv	28/02/2024, 10:20:01	Hot (Inferred)		Block blob	5.42 MiB	Available

2. Create Sink Storage (ADLS Gen2) and container



The screenshot shows the Microsoft Azure portal interface for a container named 'hexa1056sinkcontainer'. The container is empty, and the table below shows the file 'Data'.

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input type="checkbox"/> Data						-

3. Search for Azure Synapse Analytics and click on create

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Azure Synapse Analytics (private link hubs)

Default Directory

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

Showing 0 to 0 of 0 records.

No grouping List view

Name Type Resource group Location Subscription

No Azure Synapse Analytics (private link hubs) to display

Azure Synapse Analytics Private link hubs allow you to connect to Azure Synapse Studio using a private endpoint. Network traffic between clients in your Azure VNet and Synapse Studio traverses over the private link on the Microsoft backbone network, eliminating exposure from the public Internet.

Create Synapse private link hub

Service overview

Give feedback

4. Fill the details of source storage and click on create

Microsoft Azure Search resources, services, and docs (G+)

Home > Azure Synapse Analytics > Create Synapse workspace

* Basics * Security Networking Tags Review + create

Create a Synapse workspace to develop an enterprise analytics solution in just a few clicks.

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all of your resources.

Subscription Azure subscription 1

Resource group rg-azuser1056_mmlJocal-SHf58 Create new

Managed resource group Enter managed resource group name

Workspace details

Name your workspace, select a location, and choose a primary Data Lake Storage Gen2 file system to serve as the default location for logs and job output.

Workspace name hexa1056workspace

Region Central India

Select Data Lake Storage Gen2 From subscription Manually via URL

Review + create < Previous Next: Security >

Microsoft Azure

Search resources, services, and docs (G+/J)

azuser1056_mml.local@...
BHT (BHTLONMICROSOFT.COM)

Home > Azure Synapse Analytics >

Create Synapse workspace ...

Managed resource group ⓘ

Enter managed resource group name

Workspace details

Name your workspace, select a location, and choose a primary Data Lake Storage Gen2 file system to serve as the default location for logs and job output.

Workspace name *

hexa1056workspace

Region *

Central India

Select Data Lake Storage Gen2 *

From subscription

Manually via URL

Account name * ⓘ

hexa1056sourcestorage

Create new

File system name *

hexa1056sourcecontainer

Create new

Additional configuration is required. After you create your workspace, perform these tasks:

- Assign other users to the **Contributor** role on workspace
- Assign other users the appropriate [Synapse RBAC roles](#) using Synapse Studio

Contact an **Owner** of the storage account, and ask them to perform the following tasks:

- Assign the workspace MSI to the **Storage Blob Data Contributor** role

Review + create

< Previous

Next: Security >

5. Go to resources

Microsoft Azure

Search resources, services, and docs (G+/J)

azuser1056_mml.local@...
BHT (BHTLONMICROSOFT.COM)

Home >

Deployment

Microsoft.Azure.SynapseAnalytics-20240228110005 | Overview ...

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Your deployment is complete

Deployment name : Microsoft.Azure.SynapseAnalytics-20240228110005 Start time : 28/02/2024, 11:03:24

Subscription : Azure subscription 1 Correlation ID : 32a5c9b3-18a2-44f2-955d-ee9888edd8e4

Resource group : rg-azuser1056_mml.local-SHF8

> Deployment details

< Next steps

Go to resource group

Cost management

Get notified to stay within your budget and prevent unexpected charges on your bill.

Set up cost alerts >

Microsoft Defender for Cloud

Secure your apps and infrastructure

Go to Microsoft Defender for Cloud >

Free Microsoft tutorials

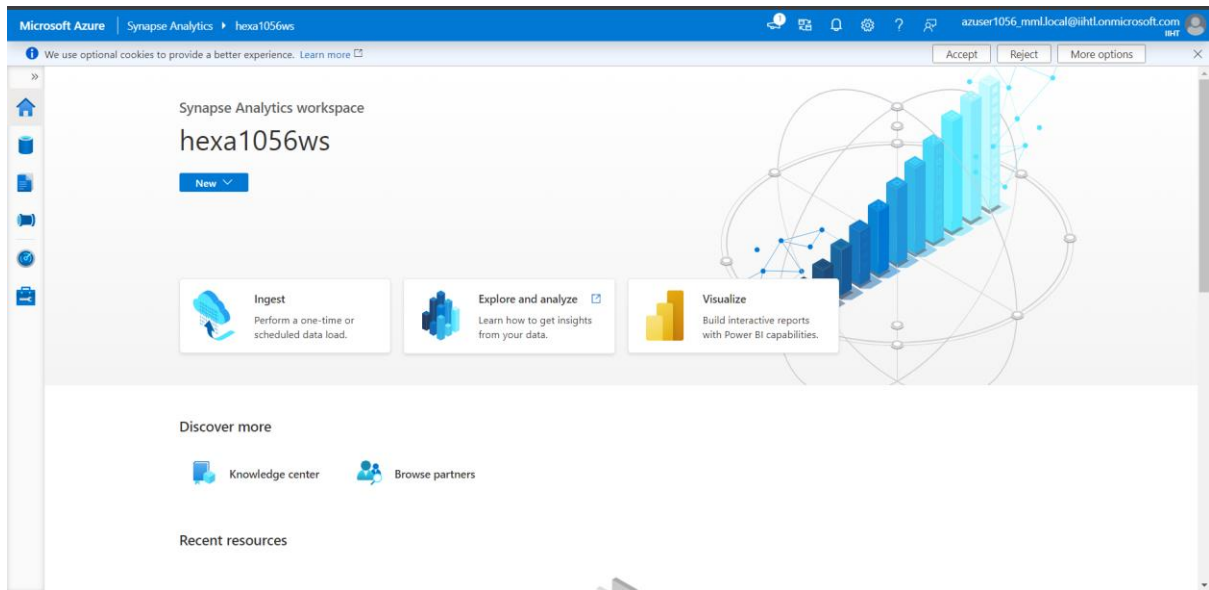
Start learning today >

Work with an expert

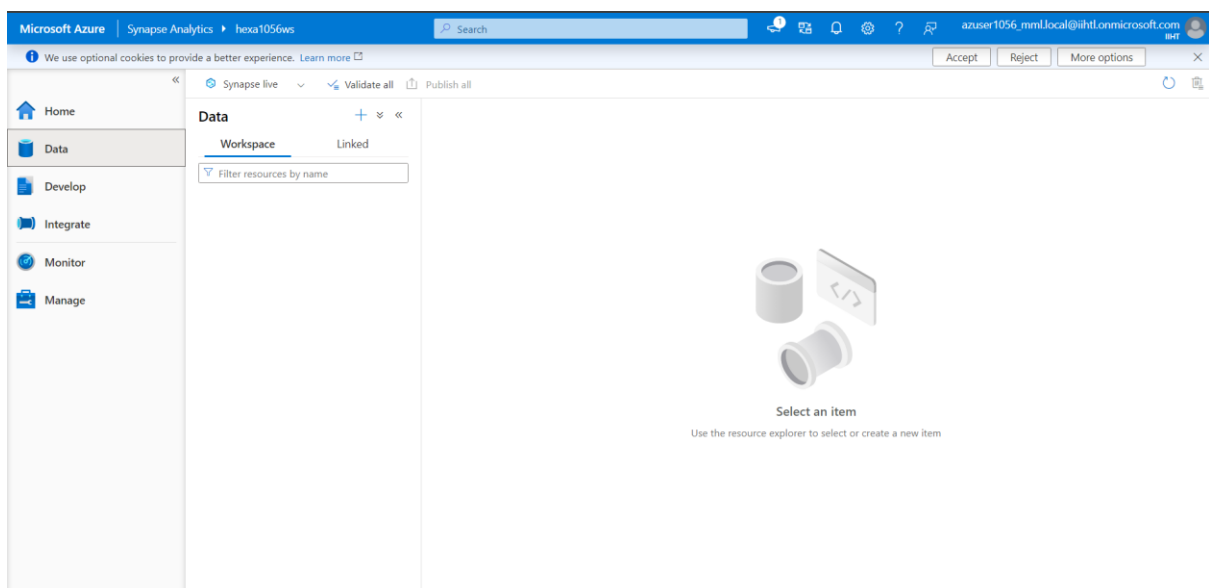
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.

Find an Azure expert >

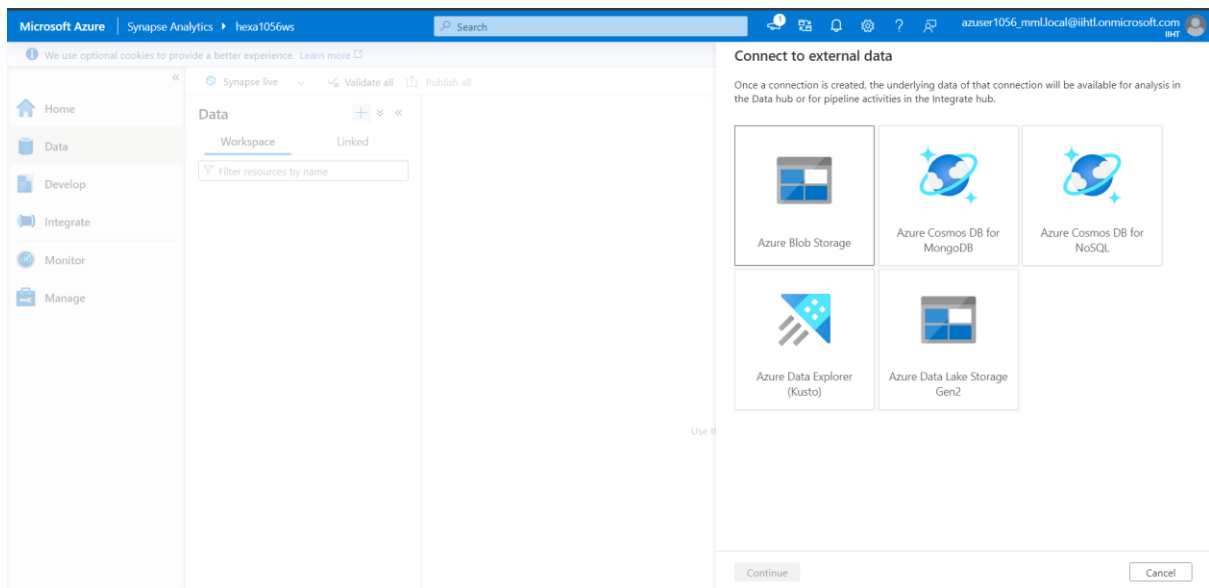
6. Open Synapse studio



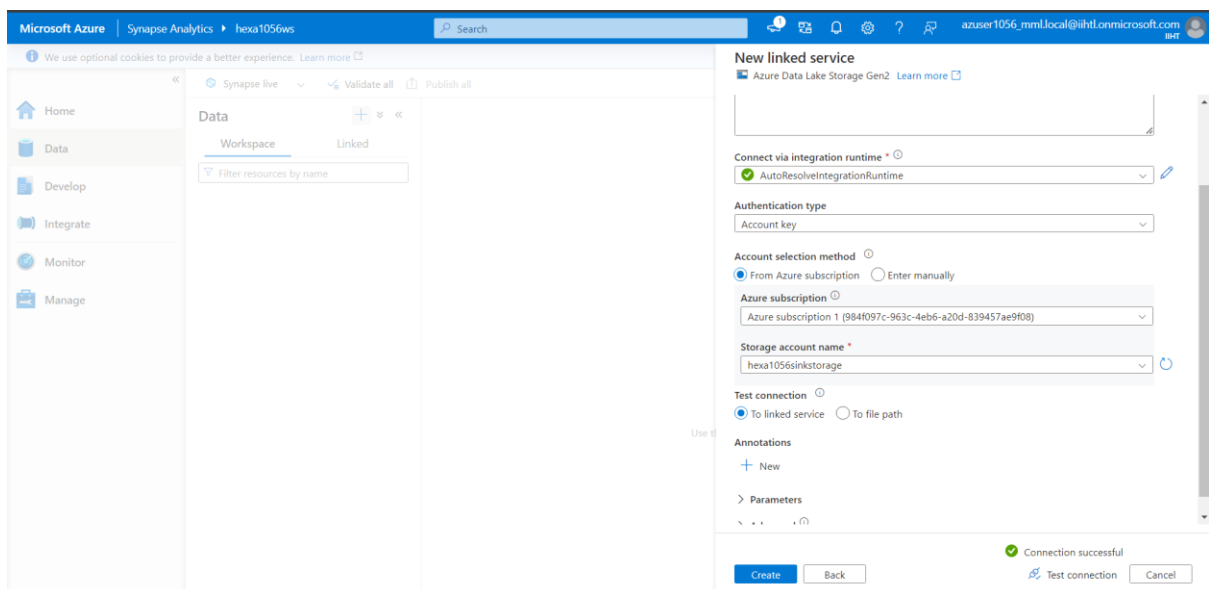
7. Go to Data from side bar



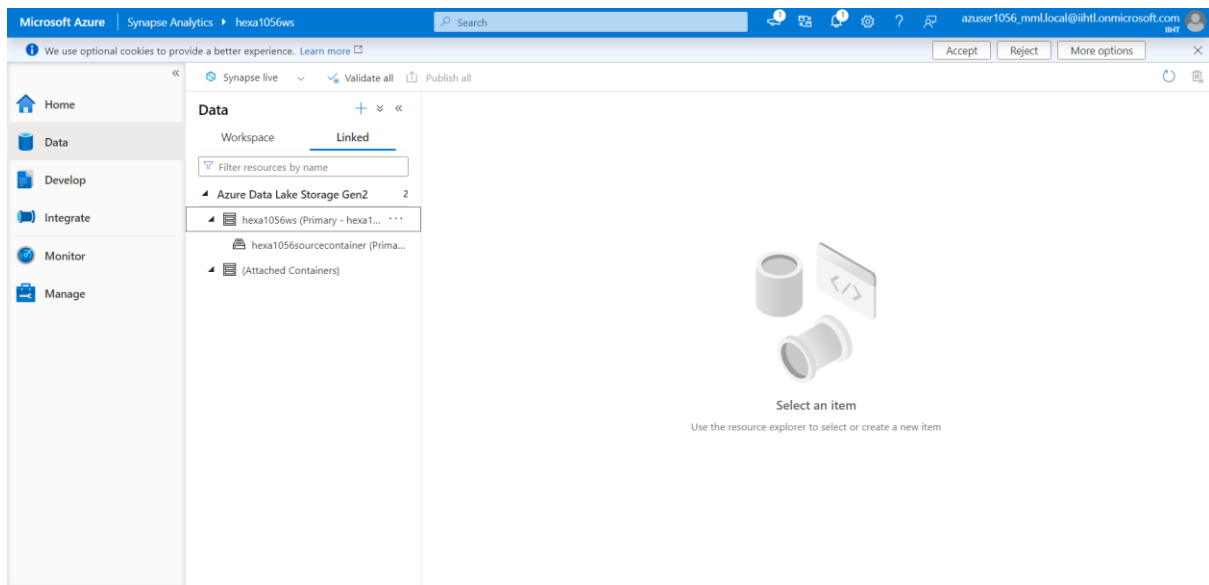
8. Click on + then connect to external data and then select ADLS Gen2



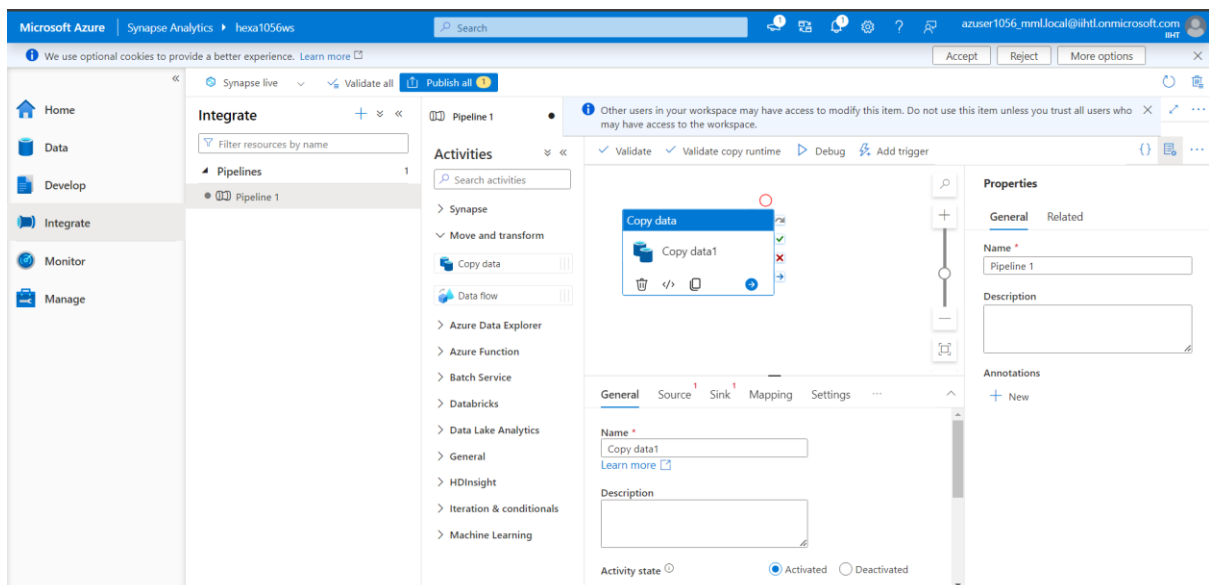
9. Fill required details and create



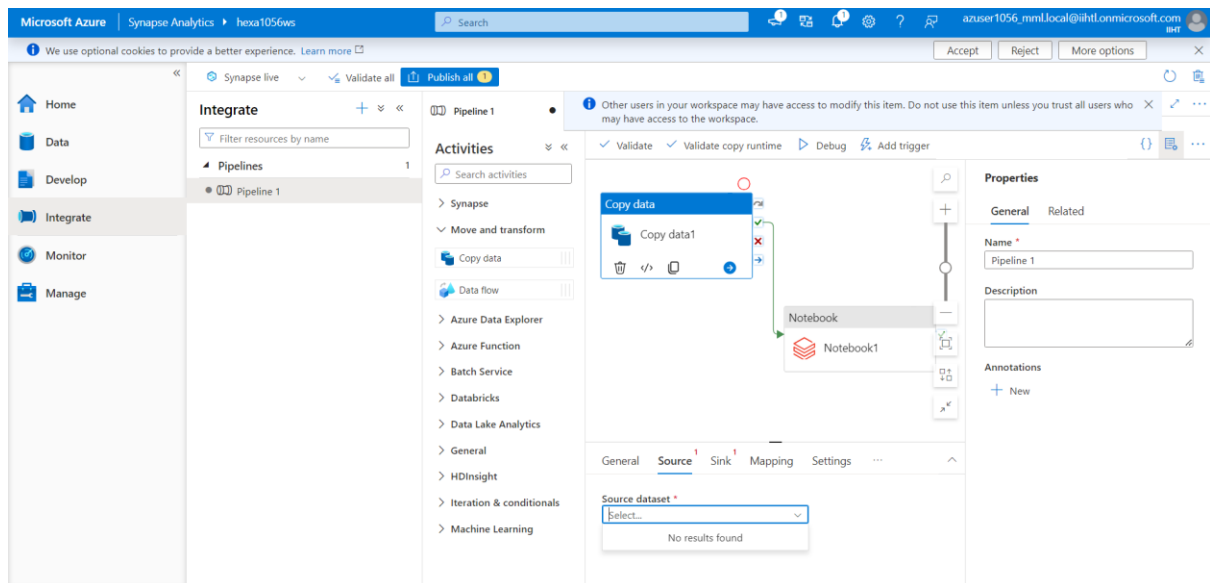
10. Sink Storage Linked successfully



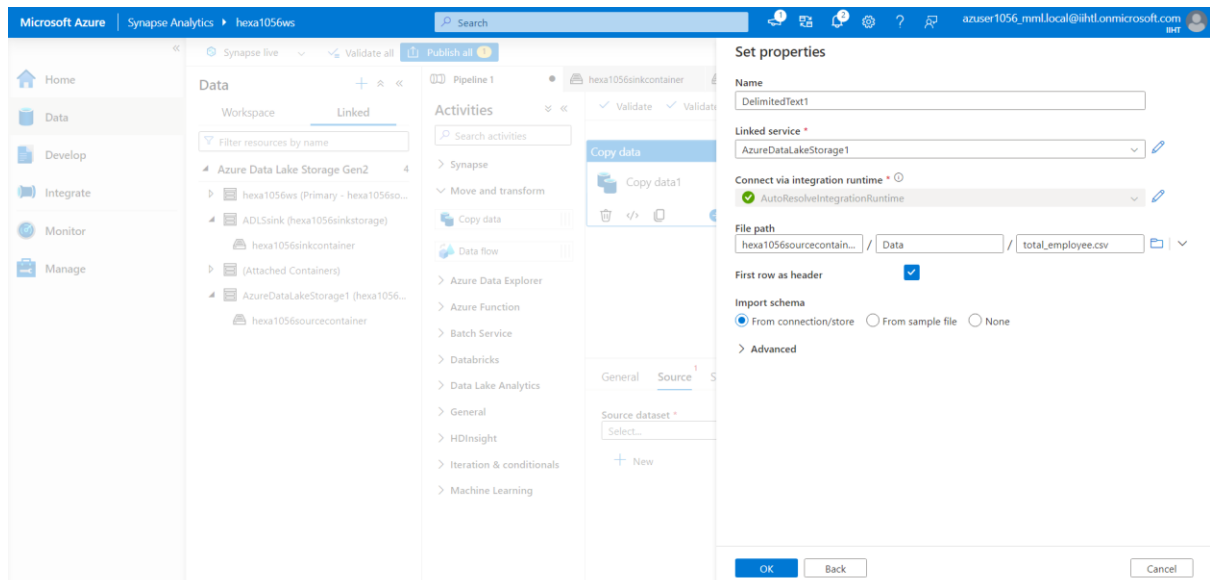
11. Create pipeline and drag copy data block from move and transfer



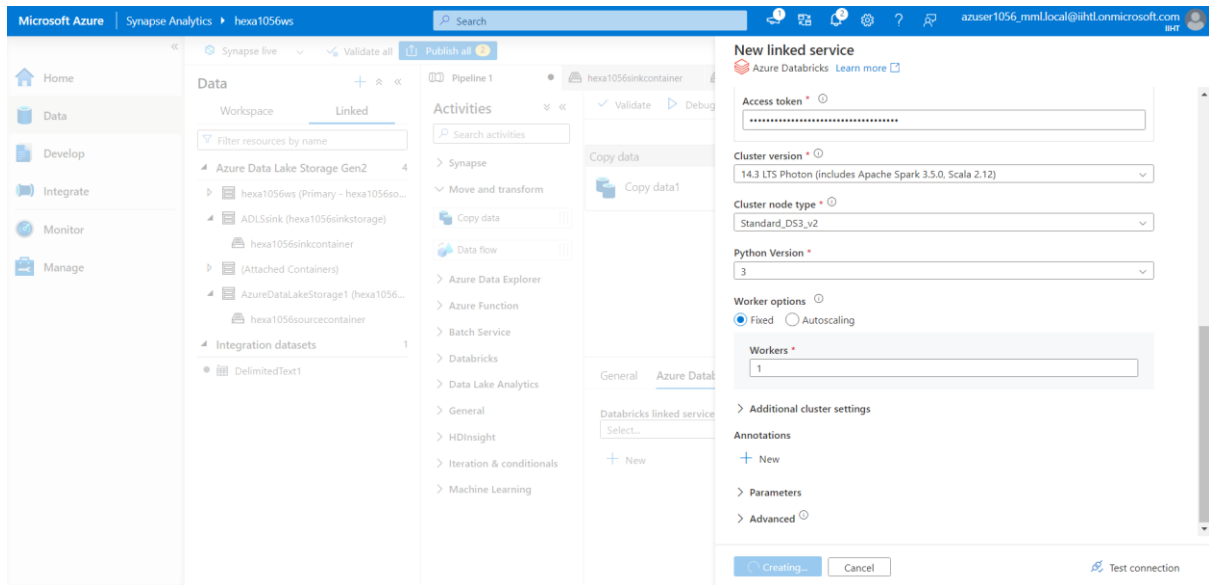
12. Add Notebook



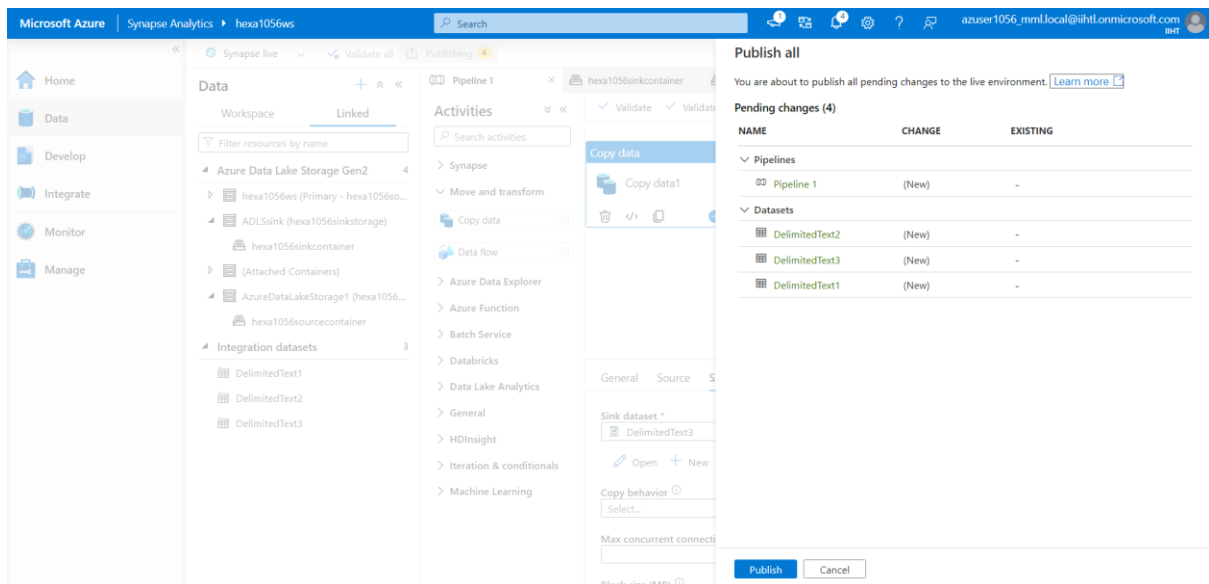
13. Select file path



14. Connect with Databricks notebook



15. Publish all



16. Published successfully

