

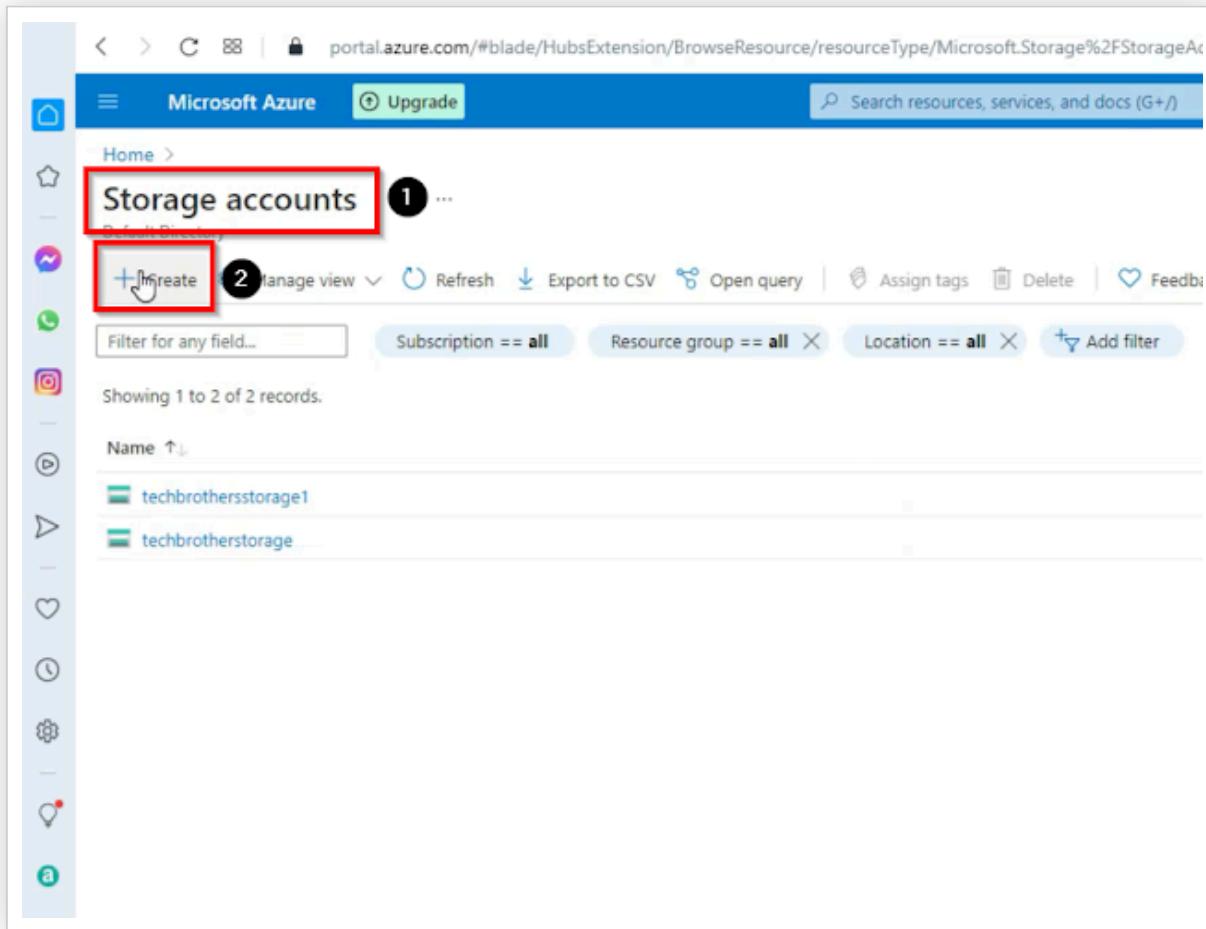
How to Copy files from one folder to another Folder and Delete in Source Folder in Azure Data Factory

Issue: How to Copy files from one folder to another Folder and Delete in Source Folder in Azure Data Factory.

In this article, we are going to learn how to copy files from one folder to another folder and delete them from the source folder in Azure Data Factory. First of all, we will create a storage account and then will learn how to create a folder and copy files from one folder to another folder and delete from the source folder.

How to Create a Storage Account.

Open Azure data factory portal and then click on the Storage Accounts on the dashboard, then click on + create button to create a new Storage account.



Select Azure subscription, then select Resource group, then provide the storage account name, then select your region, and then click on Review + Create then hit Create.

Home > Storage accounts >

Create a storage account

Basics Advanced Networking Data protection Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more about Azure storage accounts](#)

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription * 1 Azure subscription 1

Resource group * 2 rg-aamir [Create new](#)

Instance details

If you need to create a legacy storage account type, please click [here](#).

Storage account name 3 tbstroagedemo

Region 4 (US) East US

Performance 5
 Standard: Recommended for most scenarios (general-purpose v2 account)
 Premium: Recommended for scenarios that require low latency.

Redundancy 6 Geo-redundant storage (GRS)
 Make read access to data available in the event of regional unavailability.

7 **Review + create**

< Previous Next : Advanced >

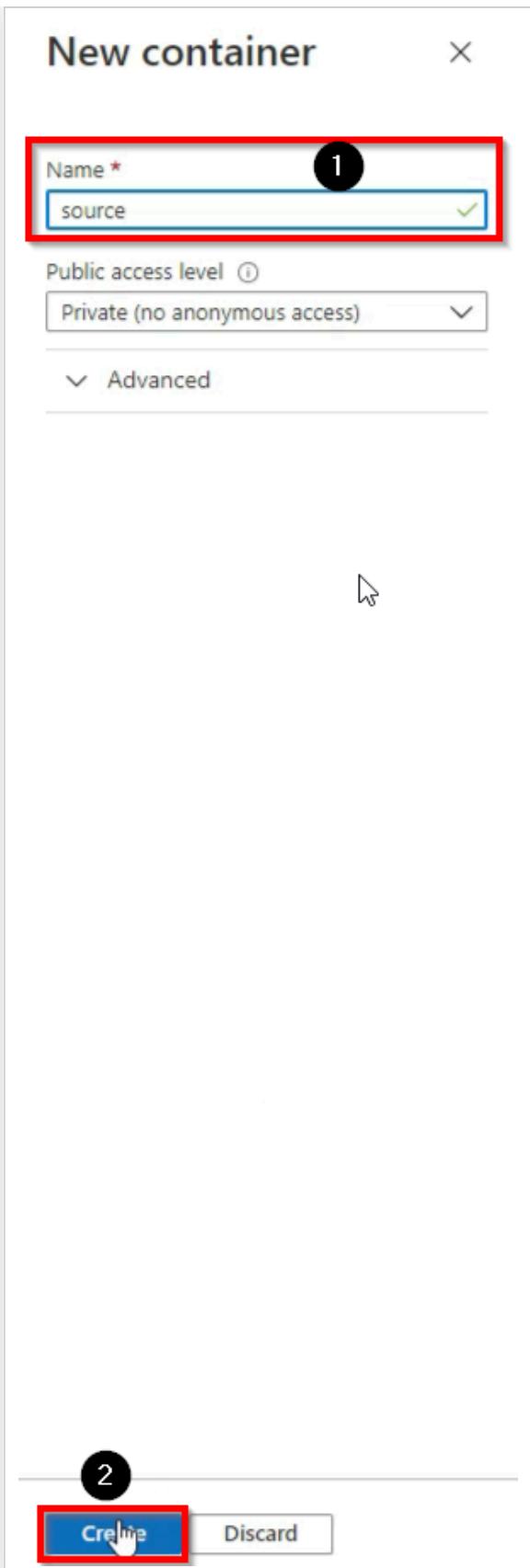
Once our storage is created, now we have to create containers or folders inside our newly created storage.

How to Create Container / Folder in Azure Data Factory.

Click on the Containers under the Data storage tab and then click on the + Container button to create a new Container.

The screenshot shows the Microsoft Azure Storage account interface for the account 'tbstroagedemo'. The left sidebar contains navigation links: Home, Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage Explorer (preview), Data storage (with sub-options: Containers, File shares, Queues, Tables), Security + networking (with sub-options: Networking, Azure CDN), and Help + feedback. The main content area displays the 'Containers' section, which includes a search bar ('Search containers by prefix'), a table with one row ('\$logs'), and a toolbar with buttons for Change access level, Restore containers, Refresh, and Delete. A red box highlights the account name 'tbstroagedemo' at the top left. Another red box highlights the '+ Container' button in the toolbar. A third red box highlights the 'Containers' link in the left sidebar. A circled number '1' is above the account name, '2' is above the '+ Container' button, and '3' is above the 'Containers' link.

Name the container and then click on Create button, it will be created and appear in the storage, then again click on the + Container button and create another container, you can create tons of containers as per your requirement.



Once our required containers are created, let's upload the files from our local machine storage.

How to upload files from local storage to the containers in Azure Data Factory.

Open the folder in which you want to upload the files, then click on the upload button on the top and then navigate to the files, then select the files and click on upload you can select multiple files at one time.

The screenshot shows the Microsoft Azure Storage Explorer interface. On the left, there's a sidebar with options like Overview, Diagnose and solve problems, Access Control (IAM), Settings, Shared access signature, Access policy, Properties, and Metadata. The main area shows a container named 'source' (marked with a red box and number 1). To the right of the container, there's an 'Upload' button (marked with a red box and number 2). Below the container, it says 'Authentication method: Access key (Switch to Azure AD User Account)' and 'Location: source'. There's also a search bar for blobs by prefix and a 'Add filter' button.

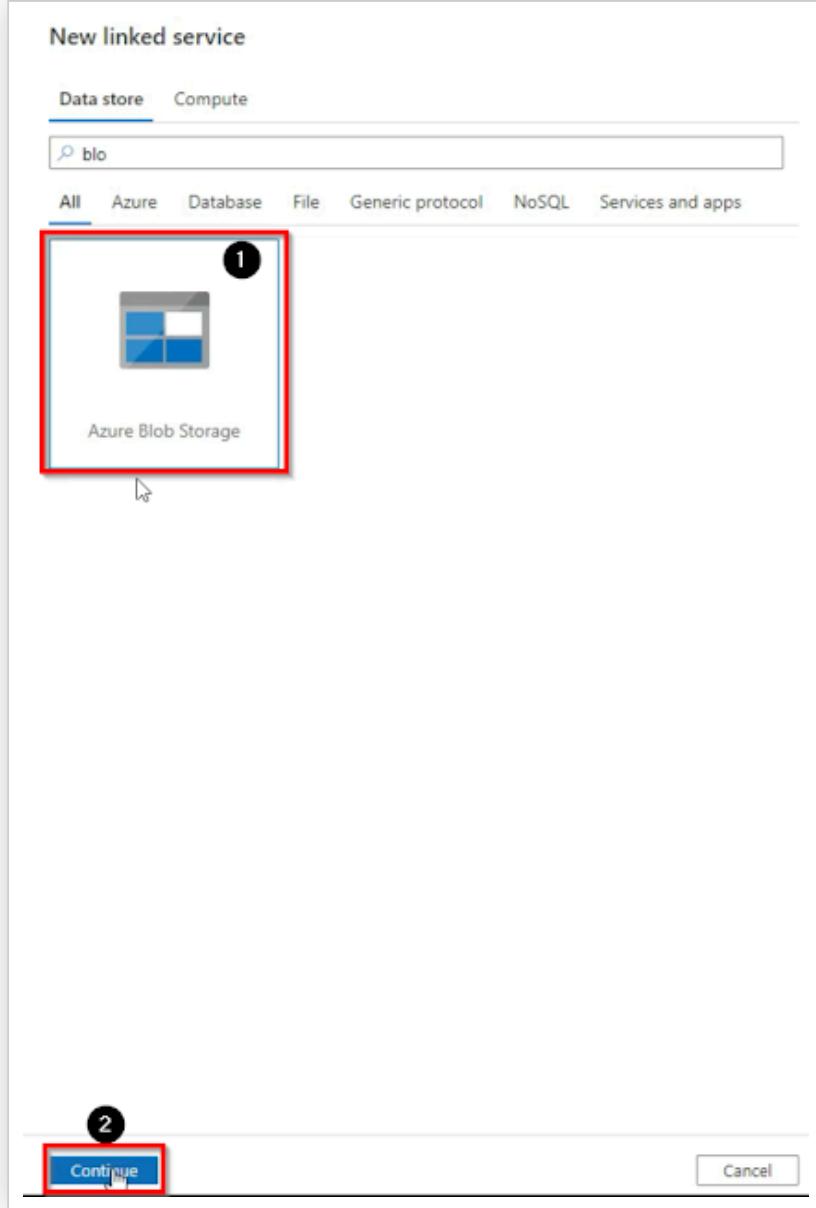
Once our files are uploaded now our next step is to create a linked service.

How to Create a Linked Service in Azure Data Factory.

Open the Azure Data Factory studio, then go to the Manage tab and then click on linked services then click on the + New button to create a new linked service.

The screenshot shows the Azure Data Factory studio interface. The top navigation bar has 'Microsoft Azure' and 'Data Factory > techbrothersit-adf' (marked with a red box and number 1). On the left, there's a sidebar with icons for Home (marked with a red box and number 2), Connections (marked with a red box and number 3), and a briefcase icon (marked with a red box and number 4). The main area is titled 'Linked services' and contains a table with two items: 'blobsource' (Azure Blob Storage) and 'techbrothersitdb' (Azure SQL Database). There's also a '+ New' button (marked with a red box and number 4) and a 'Filter by name' input field.

Select the Azure Blob storage, then click on continue.



Name the linked service, then select Azure subscription, then select a storage account name, and then click on Create.

New linked service (Azure Blob Storage)

Name * 1

Description

Connect via integration runtime *

Authentication method

Account selection method From Azure subscription Enter manually

Azure subscription 2

Storage account name * 3

Additional connection properties

Test connection To linked service To file path

Annotations

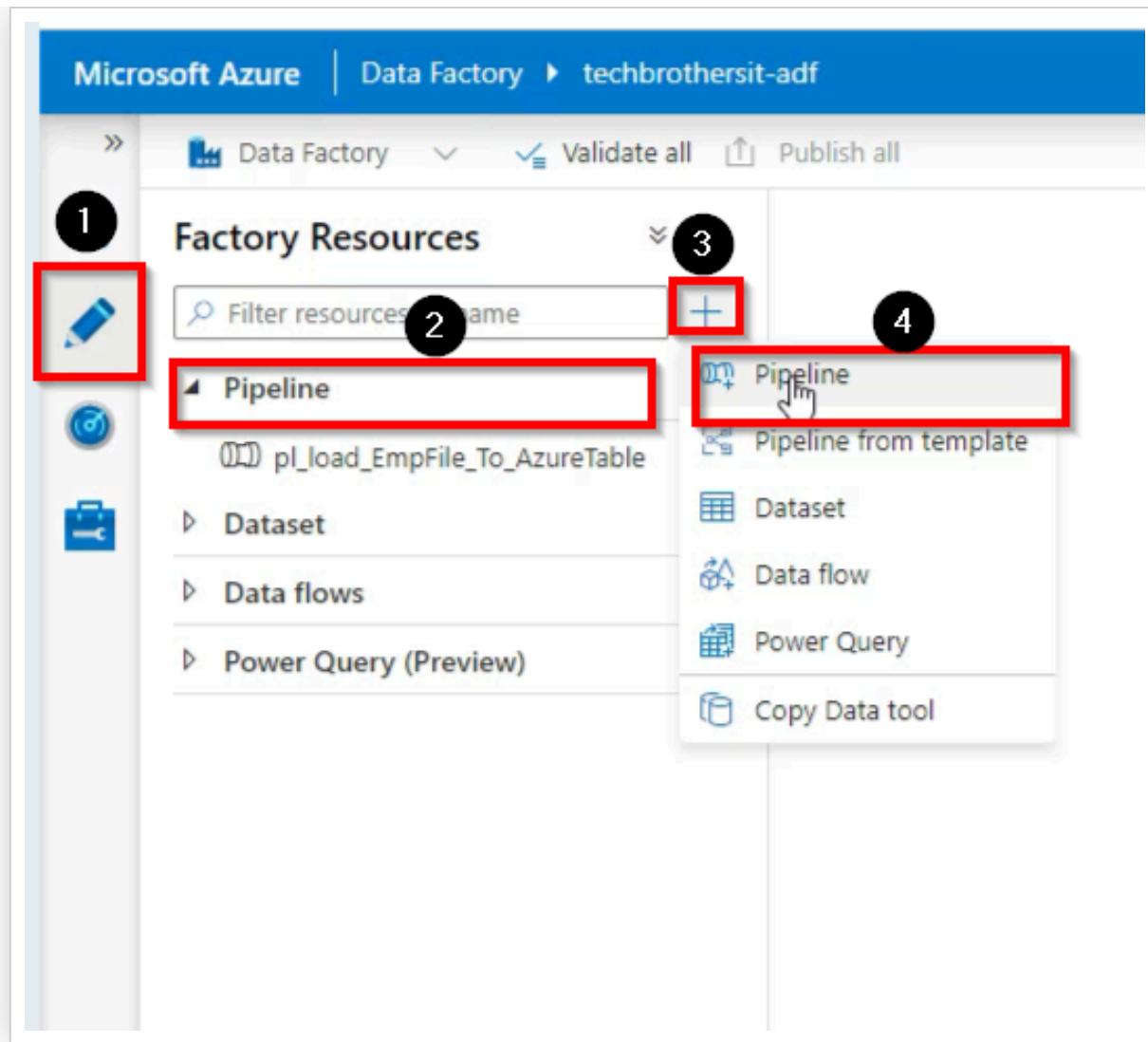
4

The screenshot shows the 'New linked service (Azure Blob Storage)' configuration page. It includes fields for Name (tbstorage), Description, Connect via integration runtime (AutoResolveIntegrationRuntime), Authentication method (Account key), Account selection method (From Azure subscription selected), Azure subscription (Azure subscription 1), Storage account name (tbstroagedemo), Additional connection properties, Test connection (To linked service selected), Annotations, and a footer with Create, Back, Test connection, and Cancel buttons.

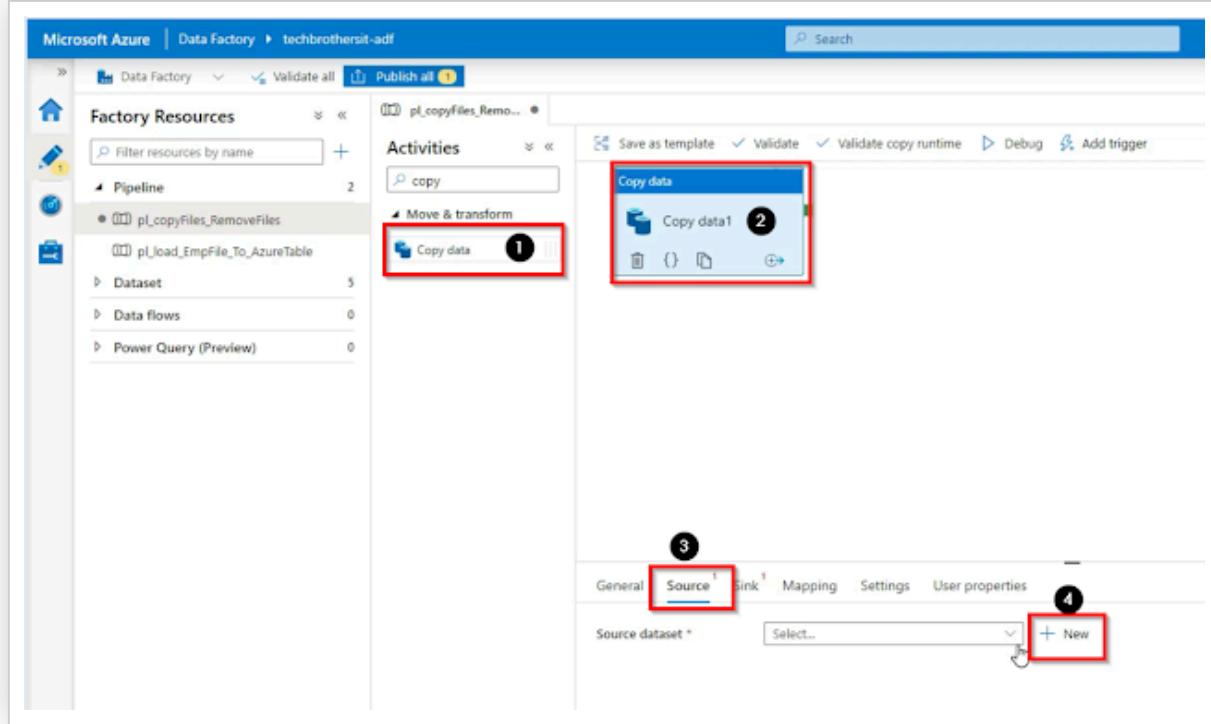
Once our linked service is created, the next step is to create a pipeline.

How to create a Pipeline in Azure Data Factory.

Go to the author tab and then click on pipelines then click on the + button, and then click on the new pipeline to create a new pipeline.



Name the pipeline and then go to the activities tab and find and drag the copy data activity to the working window, and click on the source tab then click on the + New button to create a new source dataset.



Select the Azure Blob storage and click on continue.

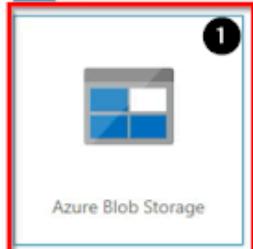
New dataset

In pipeline activities and data flows, reference a dataset to specify the location and structure of your data within a data store. [Learn more](#)

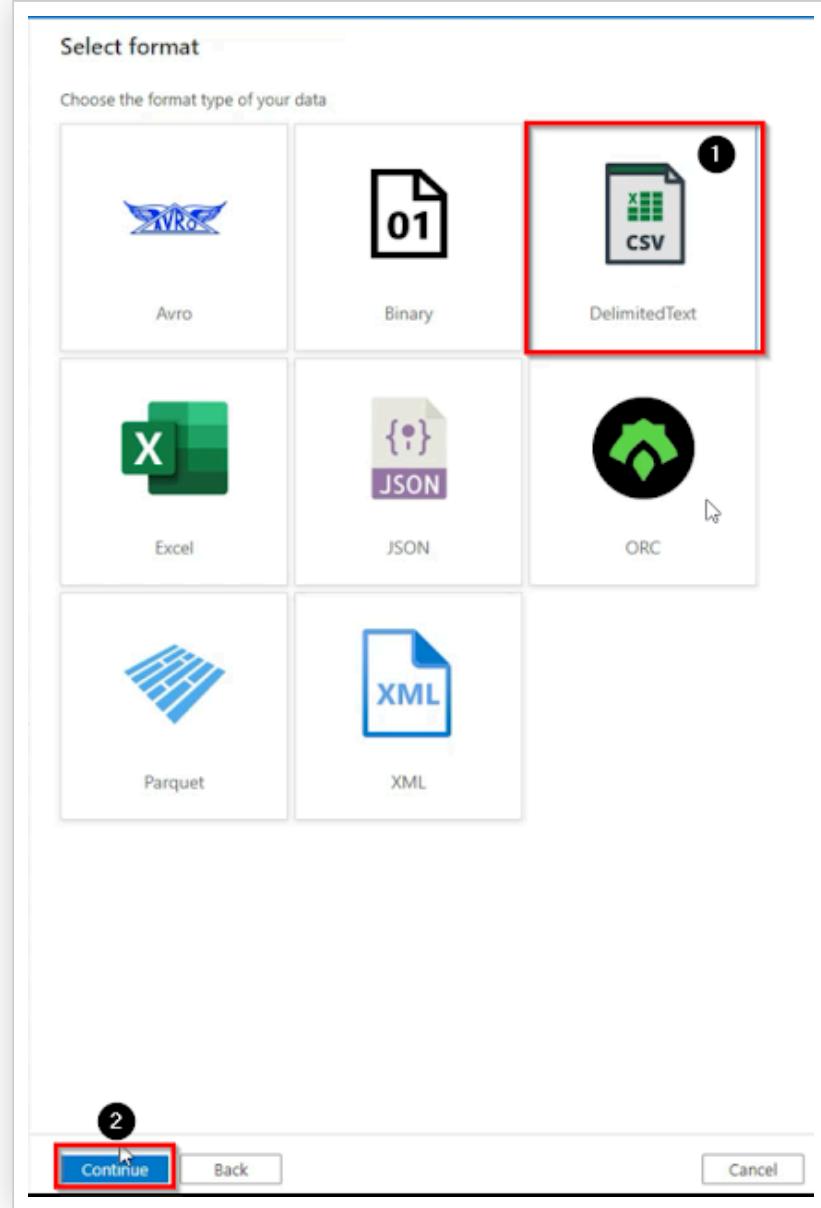
Select a data store

blob

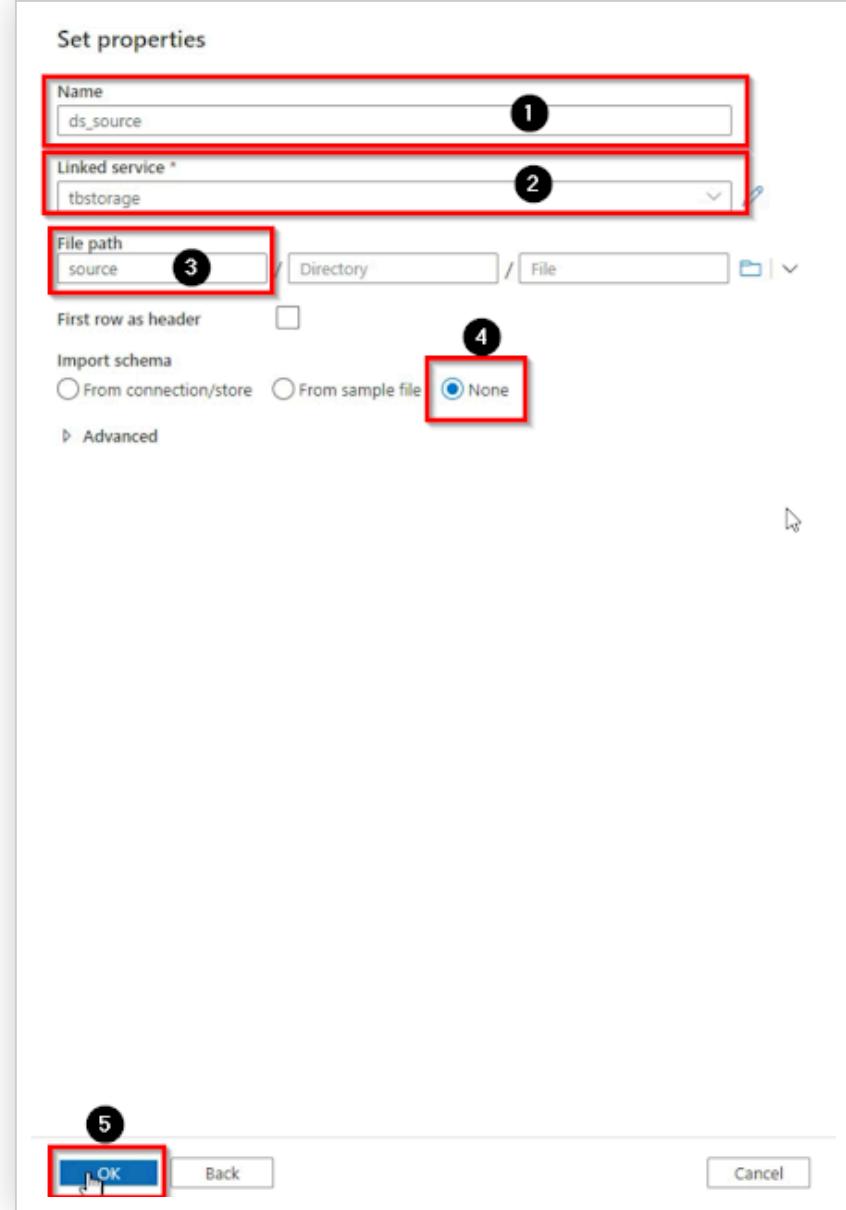
All Azure Database File Generic protocol NoSQL Services and apps



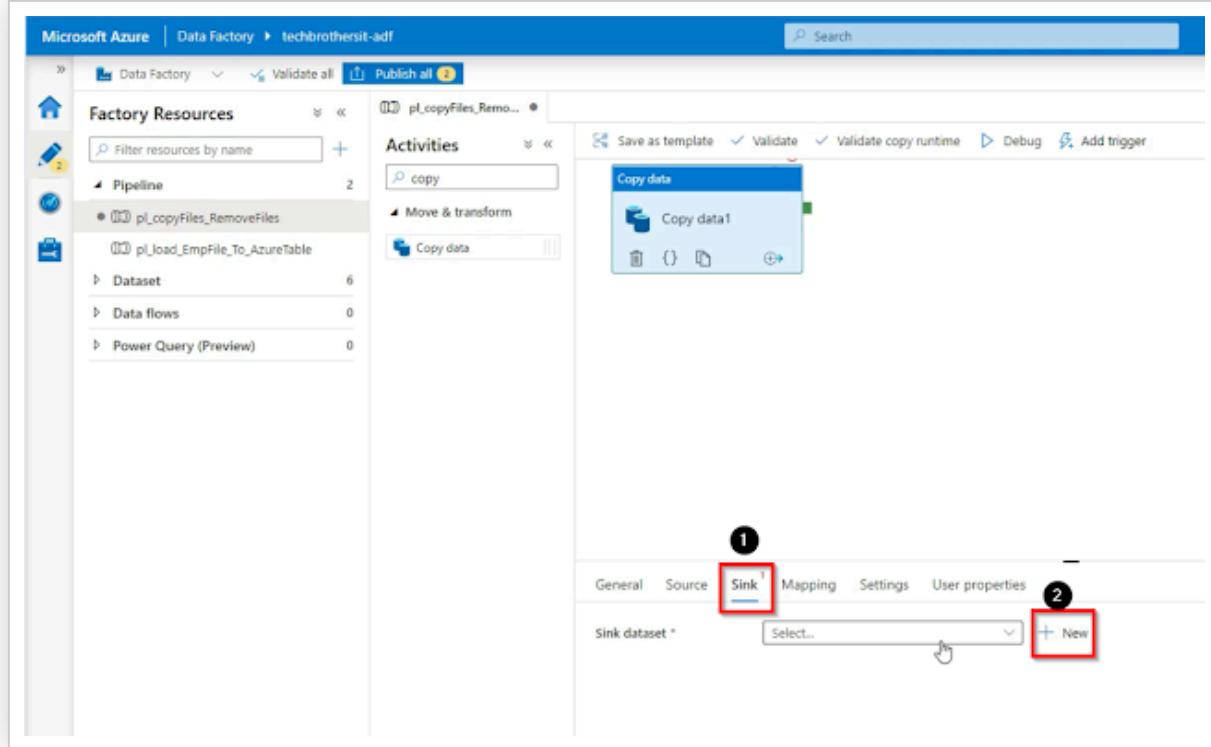
Select the source file format, in my case it is CSV file, then click on continue.



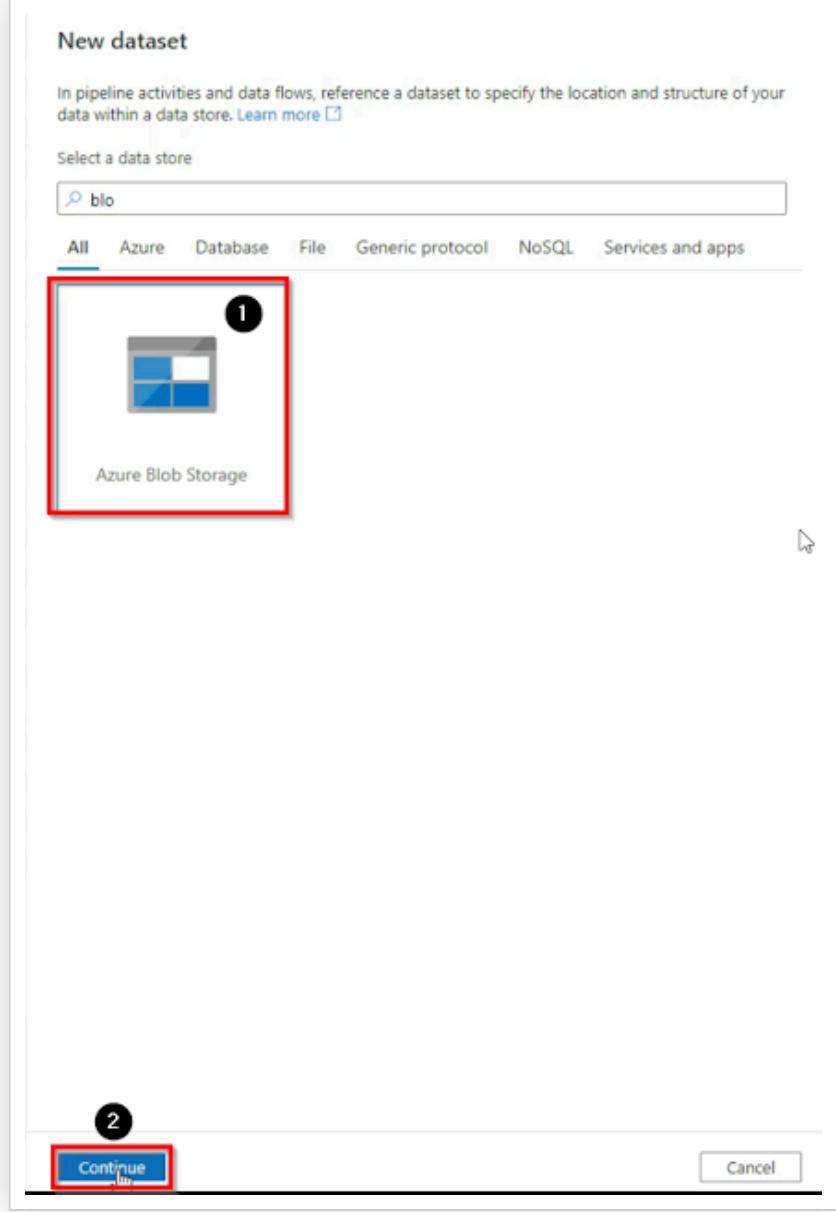
Then give a name to the dataset, then select linked service that we have created before, then select source folder path, then select none for import schema, and then click on ok.



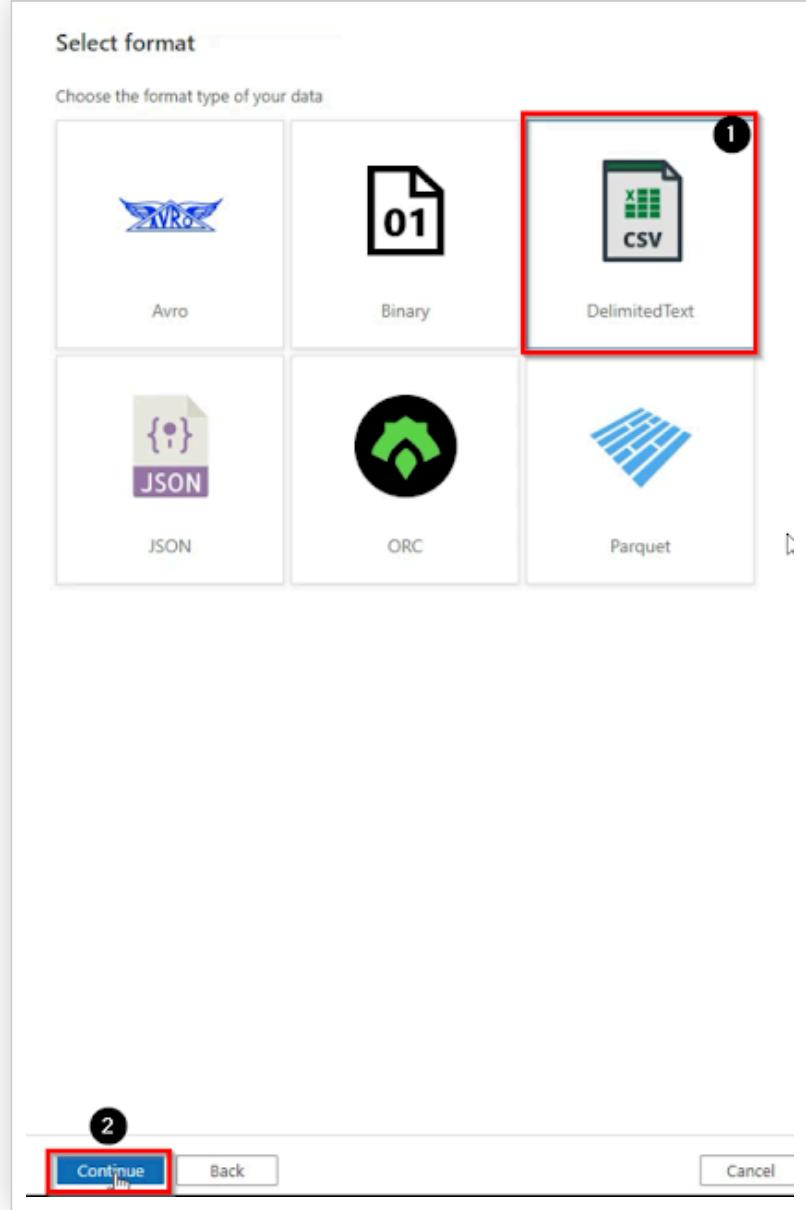
As our source dataset is completed now we have to create a sink dataset, to create a sink dataset, go to the sink tab and then click on the + New button.



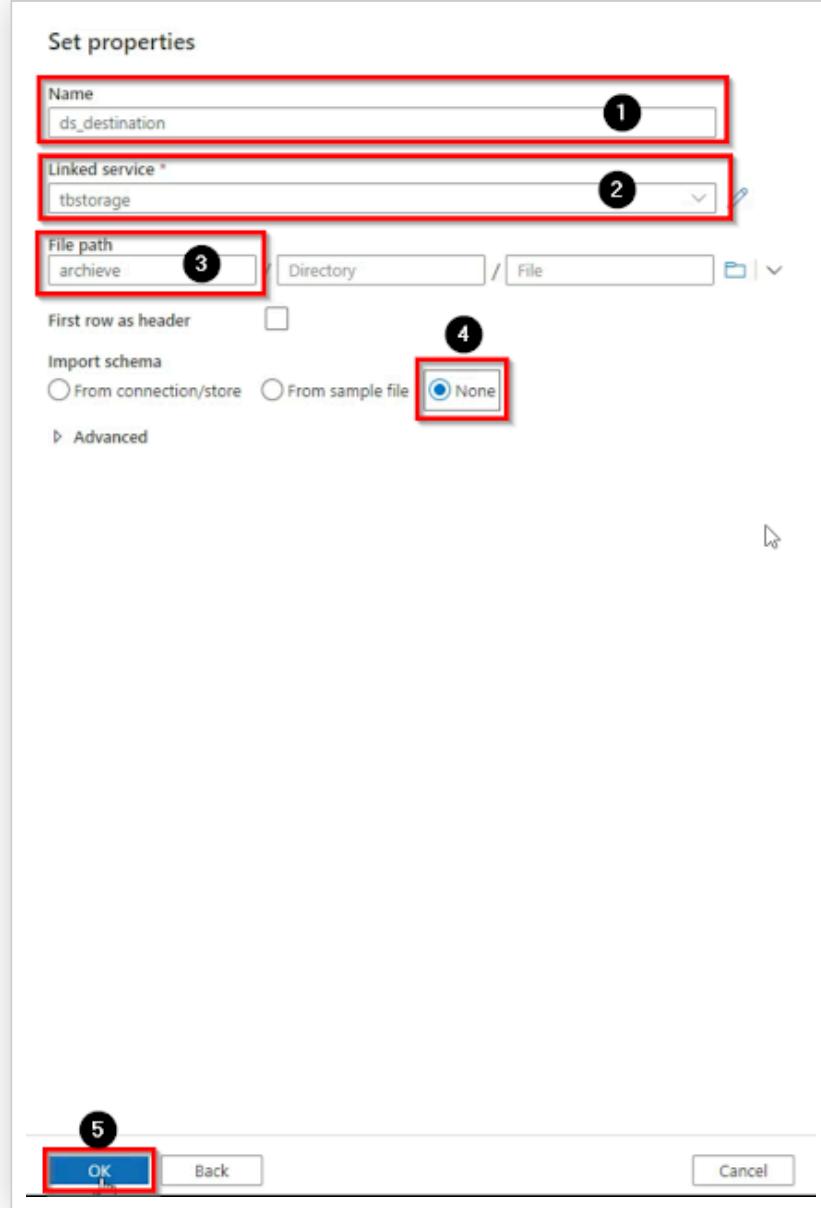
Then select Azure Blob storage and click on continue.



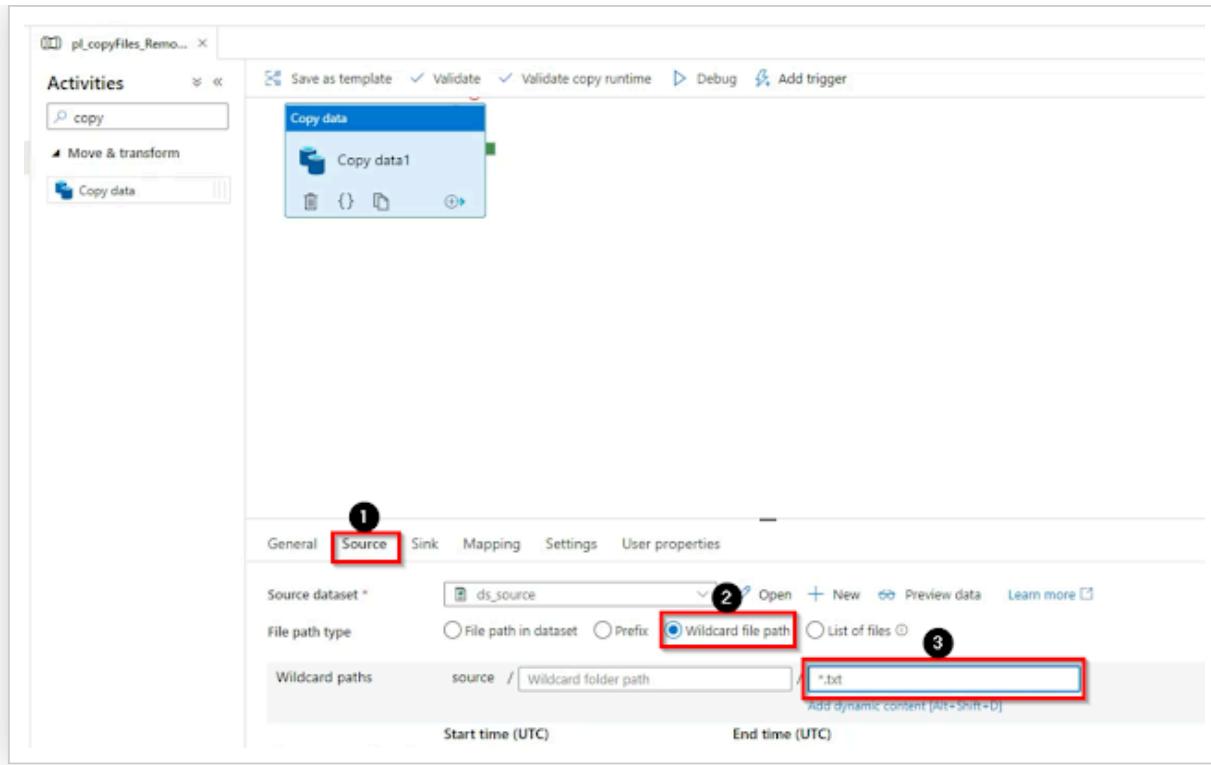
Then select the file format CSV and then click on Continue.



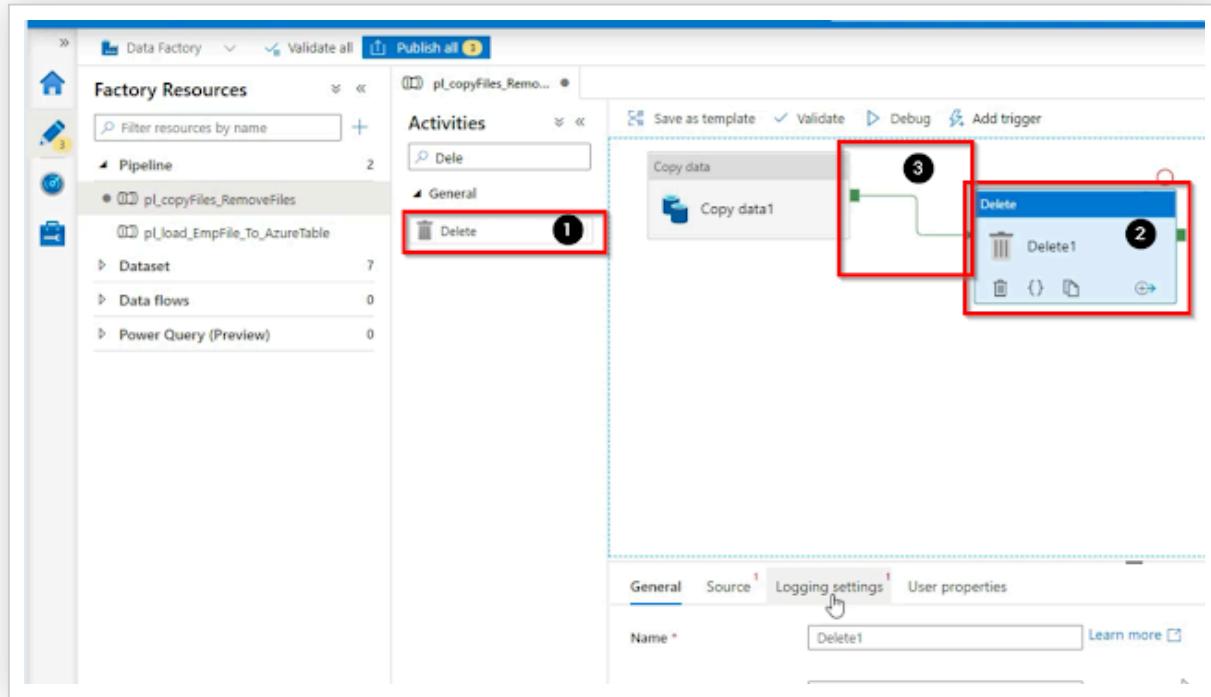
Name the dataset, then select the linked service, in this case, we will select the same linked service that we have selected in the source dataset because we are pointing to the same blob storage, then select the path folder where we need to copy the files, then select none for import schemas and then click on ok.



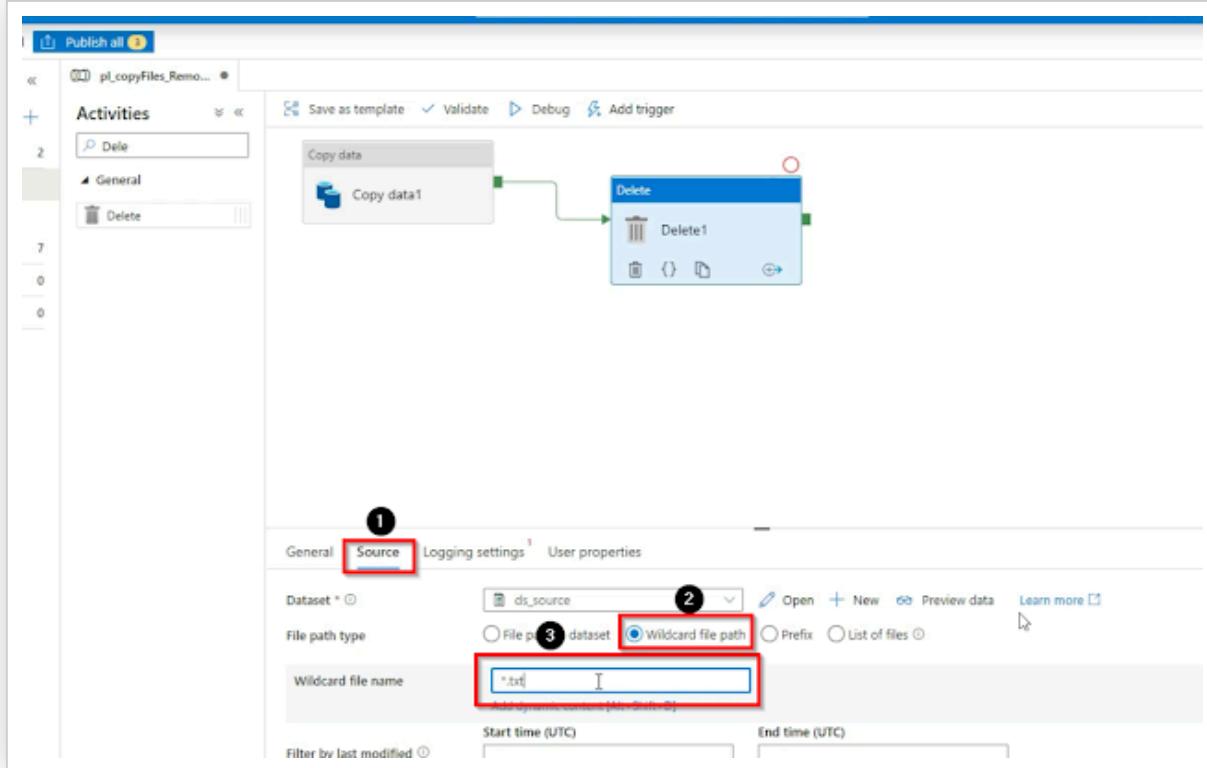
Next, go to the source tab and click on Wildcard file path, as we are going to copy multiple files so we have to give the values, which is (*.txt) which means all the files.



Then go to the activities tab and find and drag the delete activity and connect with the copy activity, as we have to delete files after copying them.



Then click on the source tab where we need to specify which files we want to delete, so click on the wildcard file path then put the values (*.txt) and then go to the pipeline and click on debug.



Once you will click on Debug it will copy all the files from the source path to the sink path and then delete all the files from the source path.