

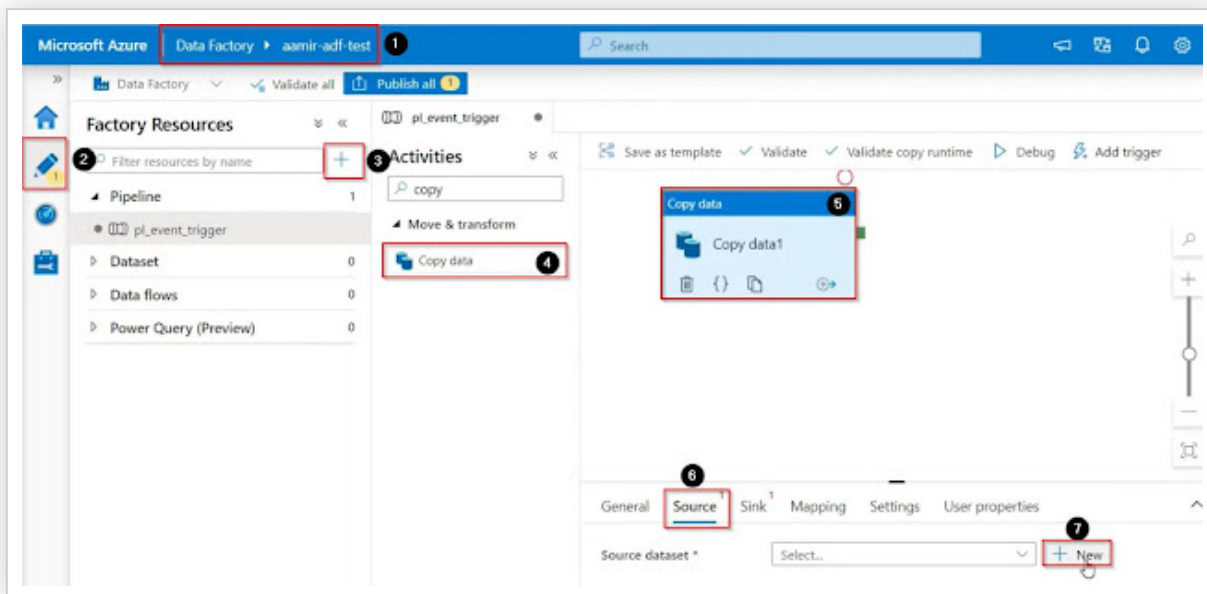
How to Create Storage Event Trigger in Azure Data Factory - Azure Data Factory Tutorial 2021

Issue: How to Create Storage Event Trigger in Azure Data Factory.

In this article, we are going to learn what are storage event triggers and how to create storage event trigger in Azure Data Factory.

Create Pipeline:

Open Azure Data factory studio, go to the author tab, click on + sign, to create a new pipeline, name your pipeline, find and drag the copy data activity, go to the source tab and click on + New to create a new source dataset.



Select Azure blob storage and then 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

All

Azure

Database

File

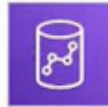
Generic protocol

NoSQL

Services and apps



Amazon Marketplace Web Service



Amazon Redshift



Amazon S3



Amazon S3 Compatible



Apache Impala



Azure Blob Storage



Continue









Cancel

Subscribe

Select binary and click on continue.

Select format

Choose the format type of your data

 Avro	 Binary	 DelimitedText
 Excel	 JSON	 ORC
 Parquet	 XML	

2

Continue Back Cancel

Subscribe

Name your dataset, select the linked service, provide the file path and click on ok.

Set properties

Name
Binary_input 1

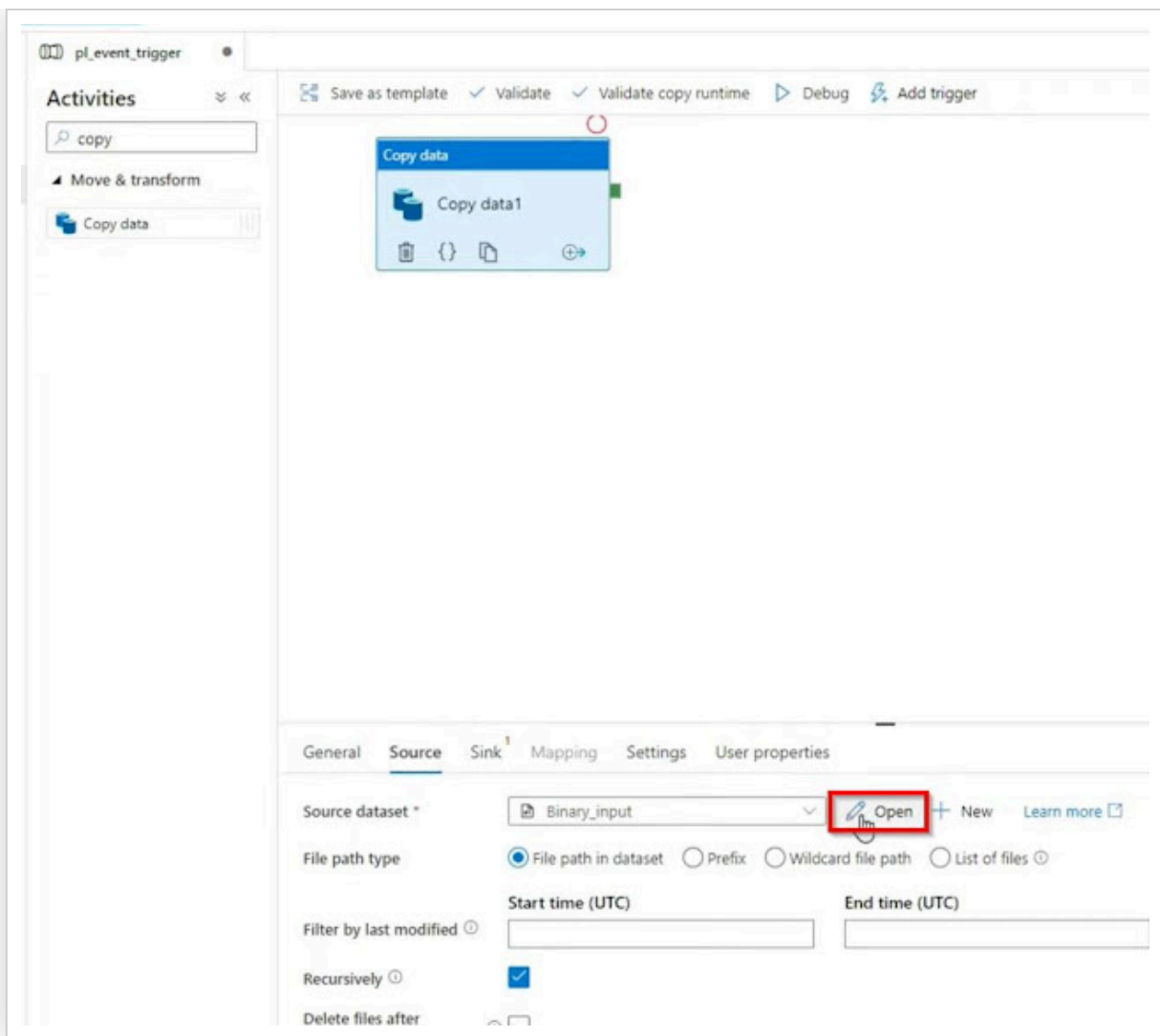
Linked service *
aamirstorage 2

File path 3
input / Directory / File

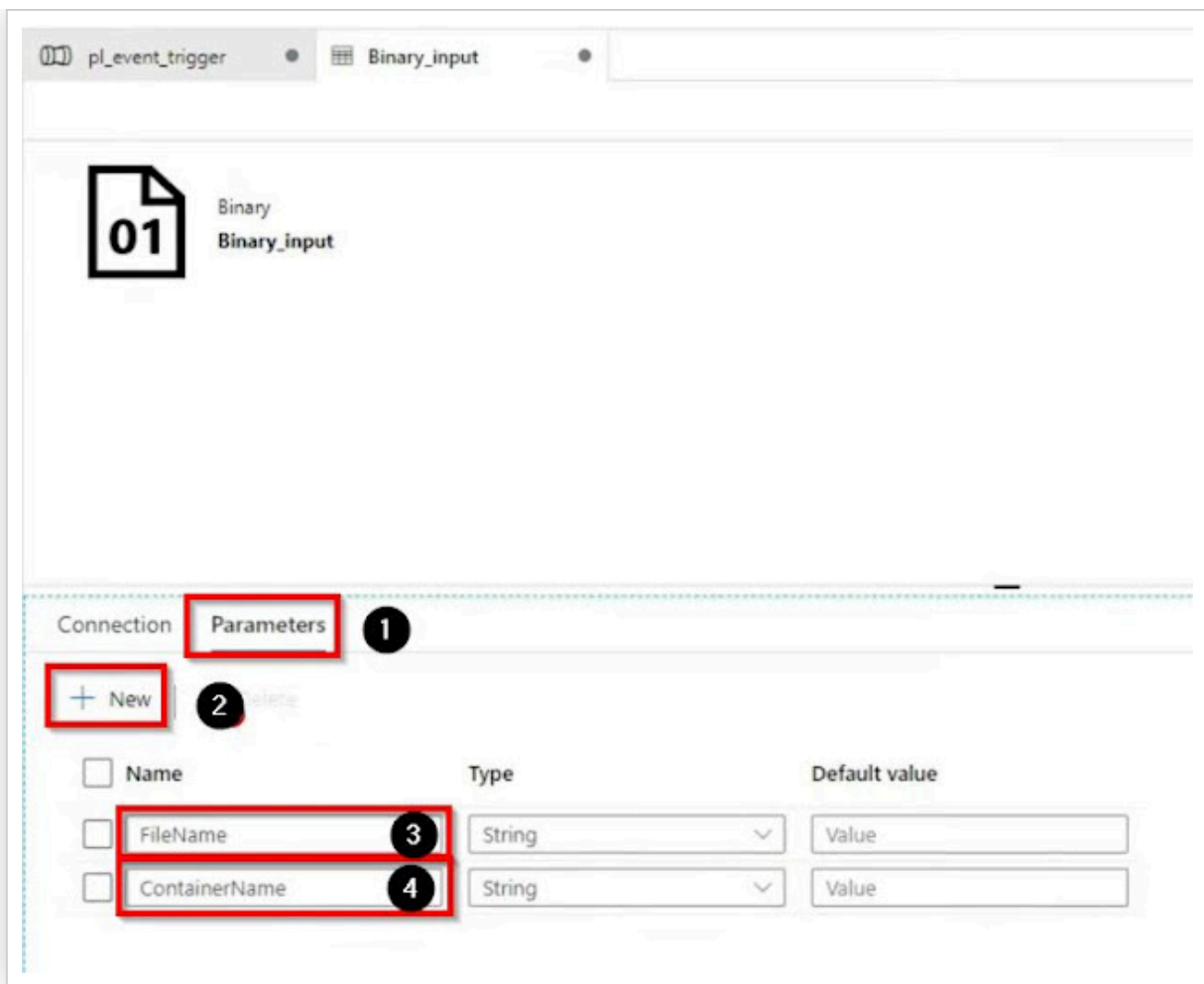
Advanced

4
Open Back Cancel
Subscribe

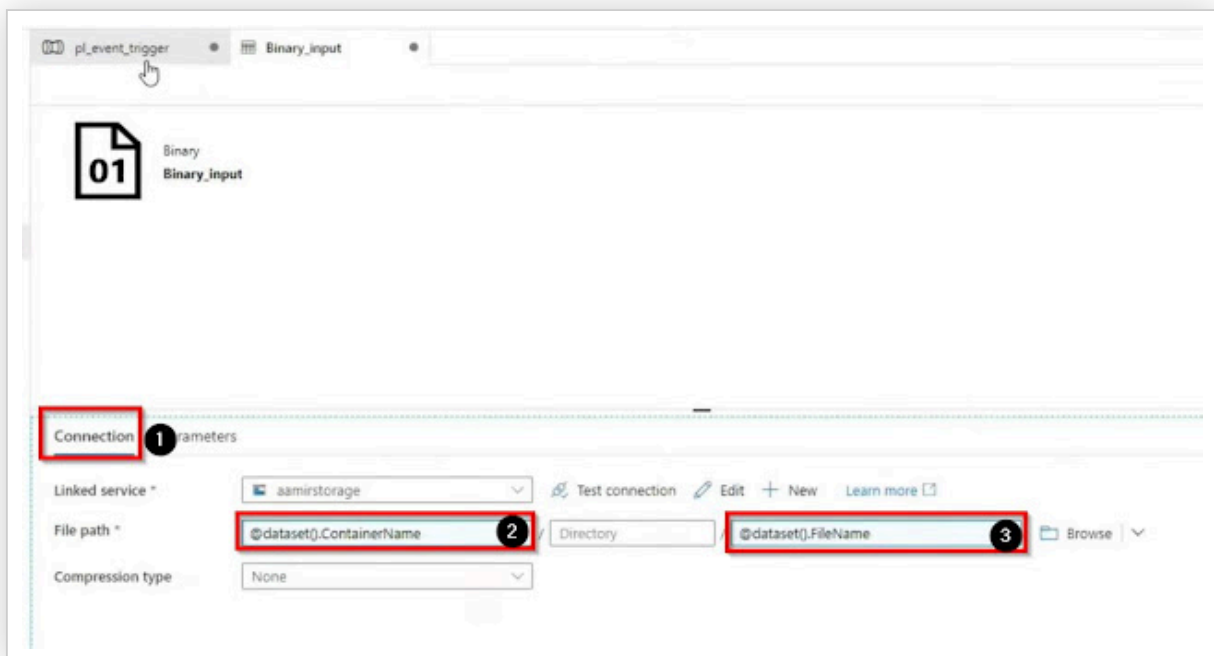
Click on the open button in the source tab and go to the Parameters tab, and create parameters.



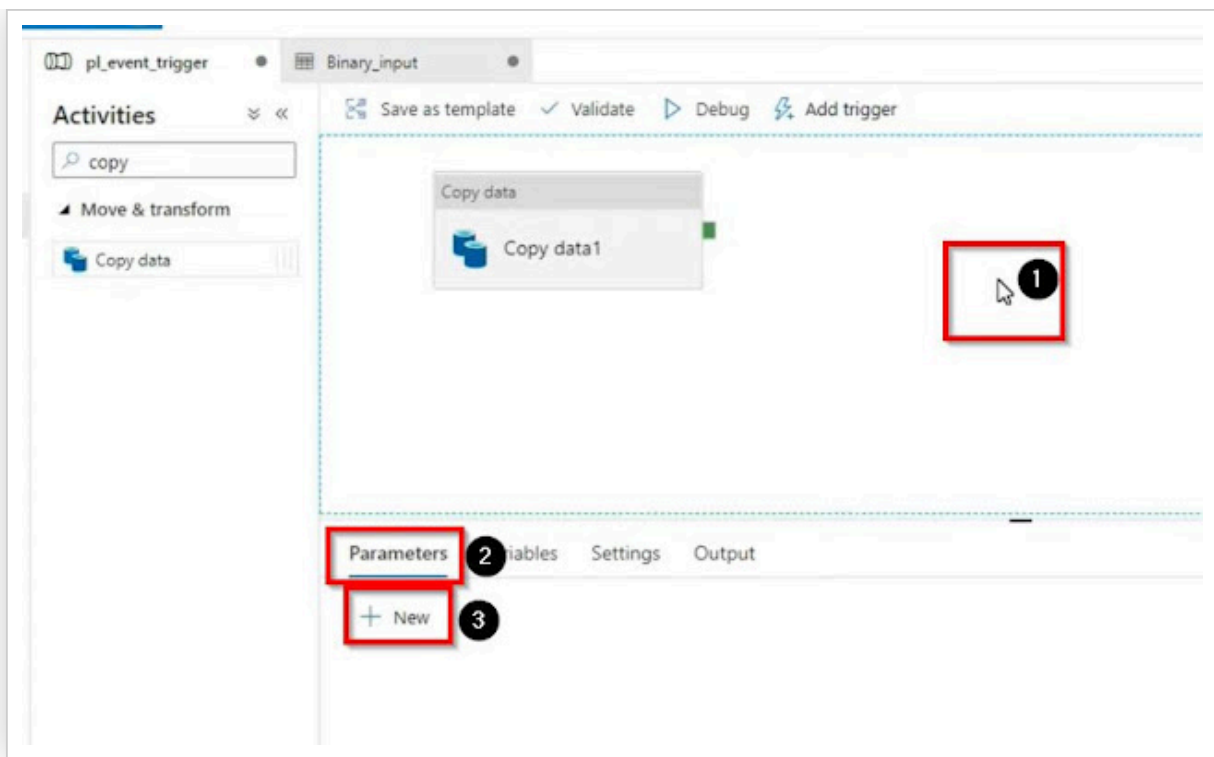
In the parameters tab, click on the + New button and create two parameters.



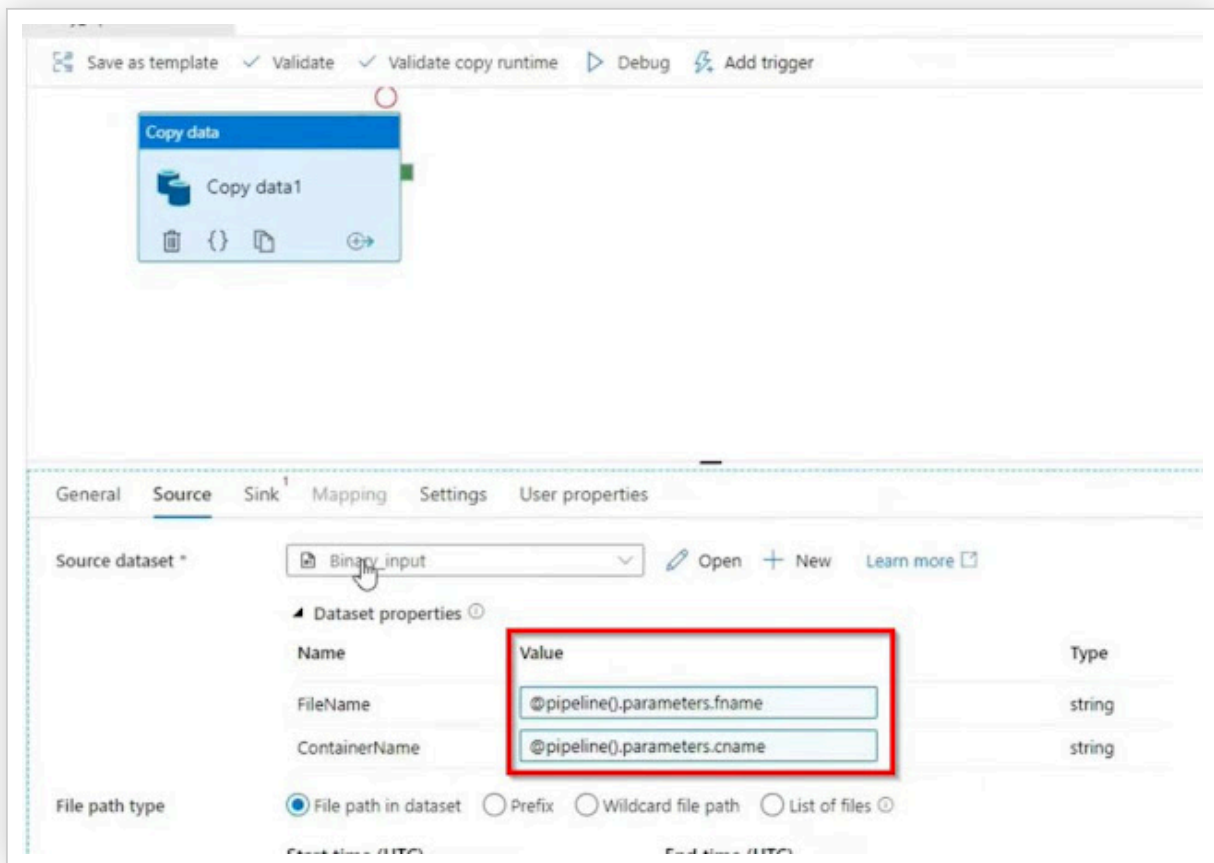
Go to the connection tab and use these parameters in this tab.



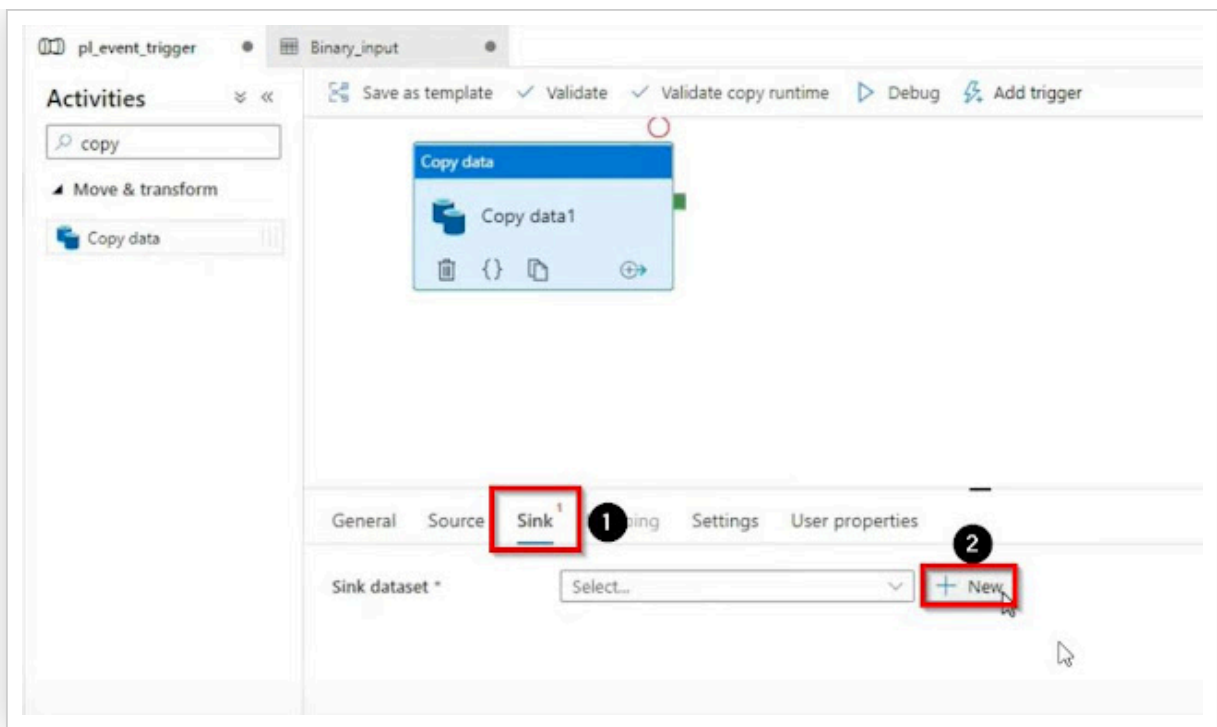
Back to the pipeline and here we need to create two parameters on the pipeline level, to create parameters click on the working window, it will show the tabs below, go to the Parameters tab, click on the + New button and create 2 parameters.



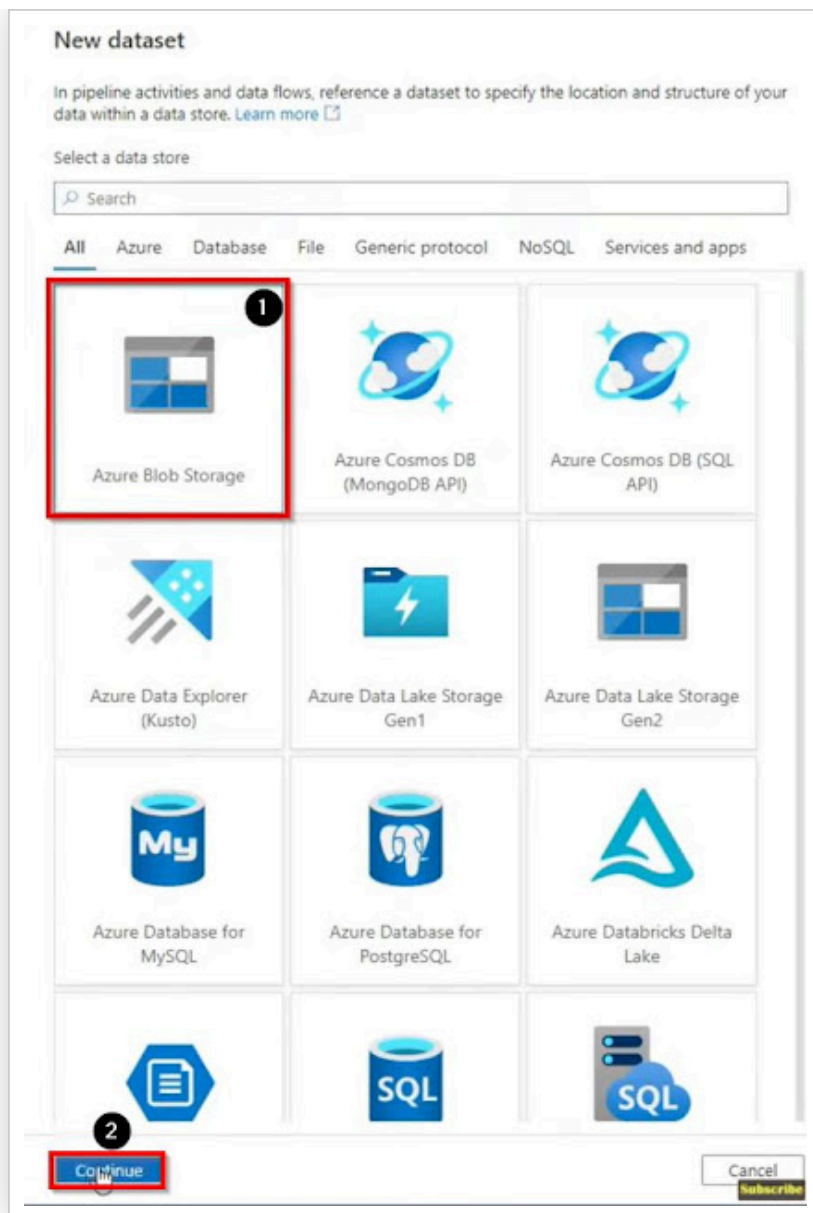
Once our parameters are created, use these parameters in the source tab.



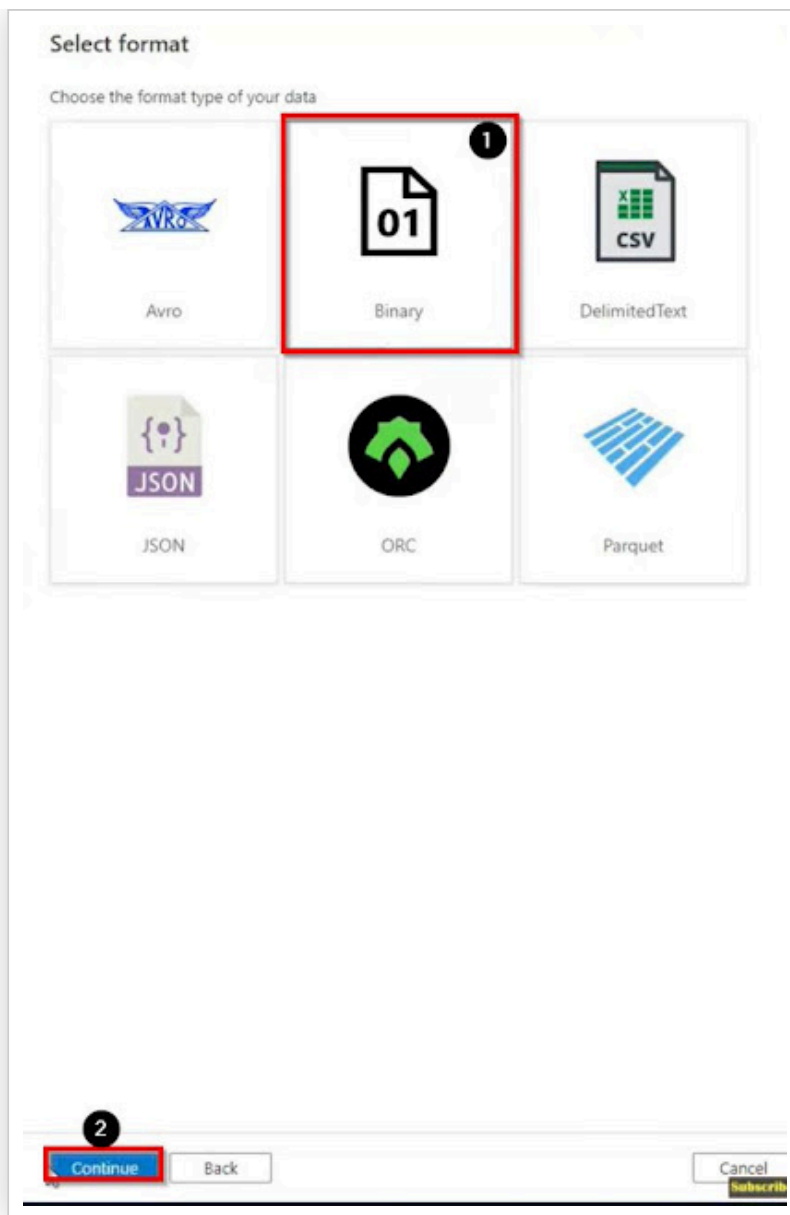
Go to the Sink tab, and click on the + New button to create a sink dataset.



Select Azure blob storage and click on continue.



Select binary as format and click on continue.



Name the dataset, select the linked service, provide the folder path, and then click on ok

Set properties

Name
Binary_output 1

Linked service *
aamirstorage 2

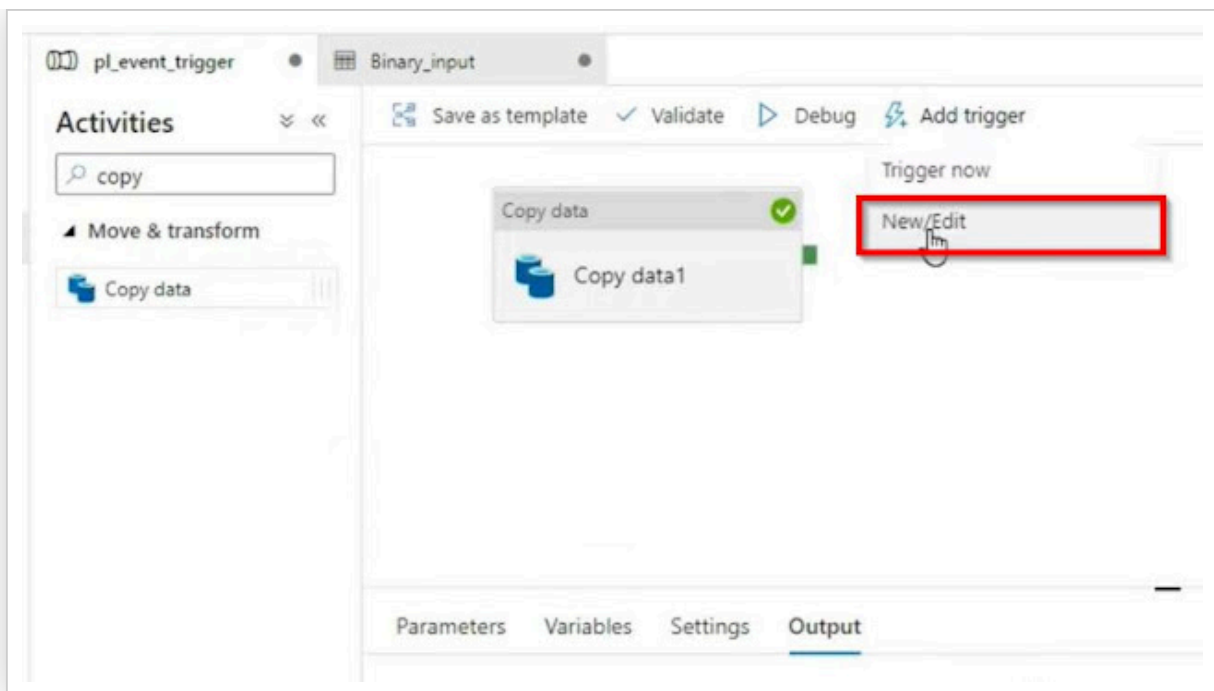
File path
output 3

Directory / File

Advanced

OK 4 Back Cancel

Next, click on the Ad triggers button, then select New/Edit.



Click on + New to add a new trigger, then name your trigger, add some description, select the trigger type, select the Azure subscription, provide the storage account name, provide container name, describe Blob path begins with and describe Blob path ends with, select the event, you can choose both or a single as per your requirement, then click on continue.

New trigger

trigger_file_storage **1**

Description
if you drop customer file it will run pl_customer pipeline **2**

Type *
Storage events **3**

Account selection method * ⓘ
☒ From Azure subscription ☐ Enter manually

Azure subscription ⓘ
Azure subscription 1 (959da5f8-7cdc-4564-8b82-df7a37646d2b) **4**

Storage account name * ⓘ
techbrothersitstorage **5**

Container name * ⓘ
input **6**

Blob path begins with ⓘ
customer **7**

Blob path ends with ⓘ
.txt **8**

Event * ⓘ **9**
☒ Blob created ☐ Blob deleted

Ignore empty blobs * ⓘ
☒ Yes ☐ No

Annotations
+ New

Activated * ⓘ
☒ Yes ☐ No **10**

Continue **Cancel** **Subscribe**

Provide the values and then click on ok

New trigger

Trigger Run Parameters

1 Parameters that are not provided a value will not be included in the trigger.

NAME	TYPE	VALUE
fname	string	@triggerBody0.fileName
cname	string	@triggerBody0.folderPath

Make sure to "Publish" for trigger to be activated after clicking "OK"

2

OK Cancel

Next, click on publish all, and then your Event-based trigger is created successfully.

Microsoft Azure | Data Factory | aamir-adf-test

» Data Factory | Validate all | Publish | +

Factory Resources

Filter resources by name

- Pipeline 1
 - p_event_trigger
- Dataset 2
 - Binary_input
 - Binary_output
- Data flows 0
- Power Query (Preview) 0

Activities

pl_event_trigger

copy

Move & transform

Copy data

Save as template | Validate | Debug | Trigger (1)

Copy data

Copy data1

Parameters | Variables | Settings | Output

Pipeline run ID: 121a5dbc-226f-4b03-935a-468328e3cd8f

Name	Type	Run start
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