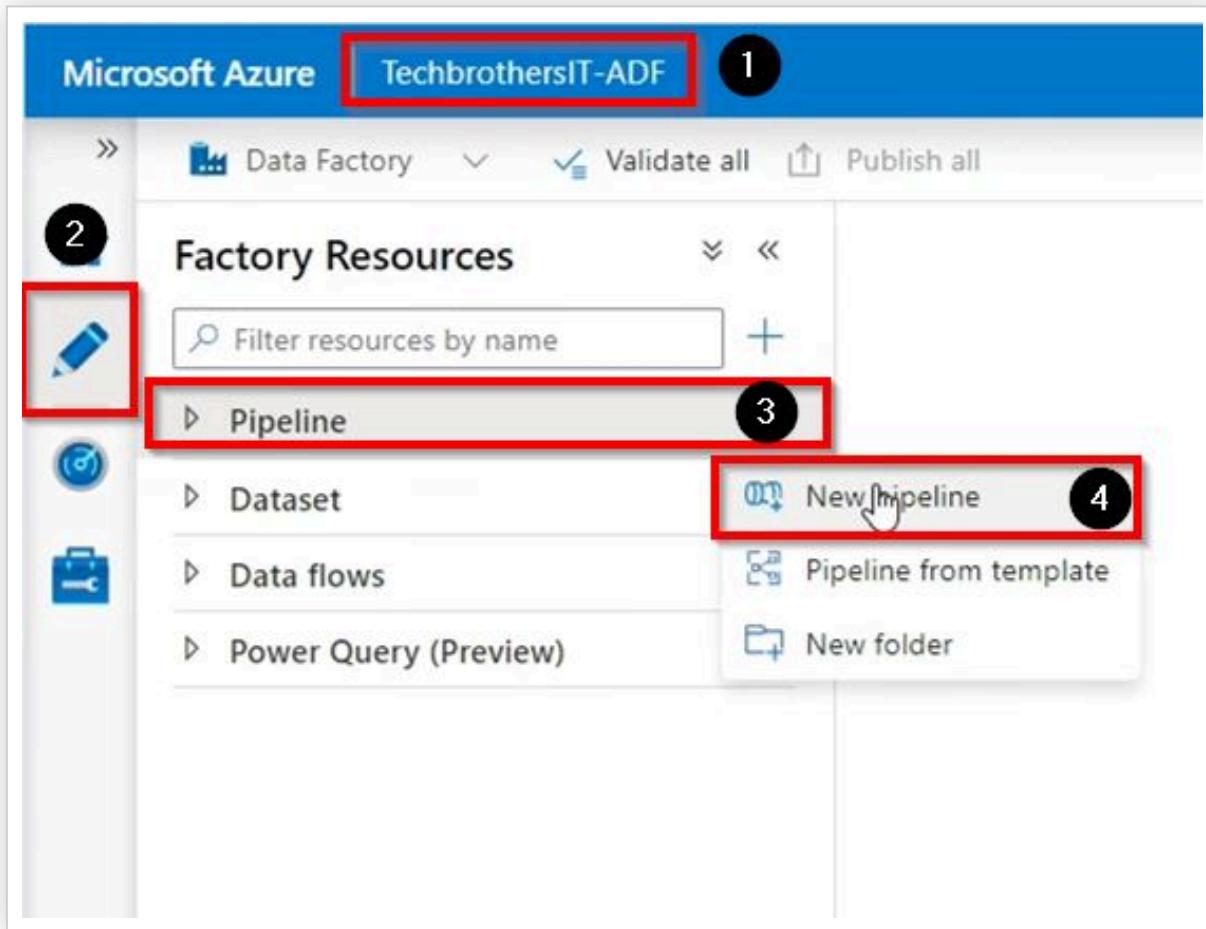


## Load Excel File with Multiple Sheets Dynamically by using Lookup Activity in Azure Data Factory

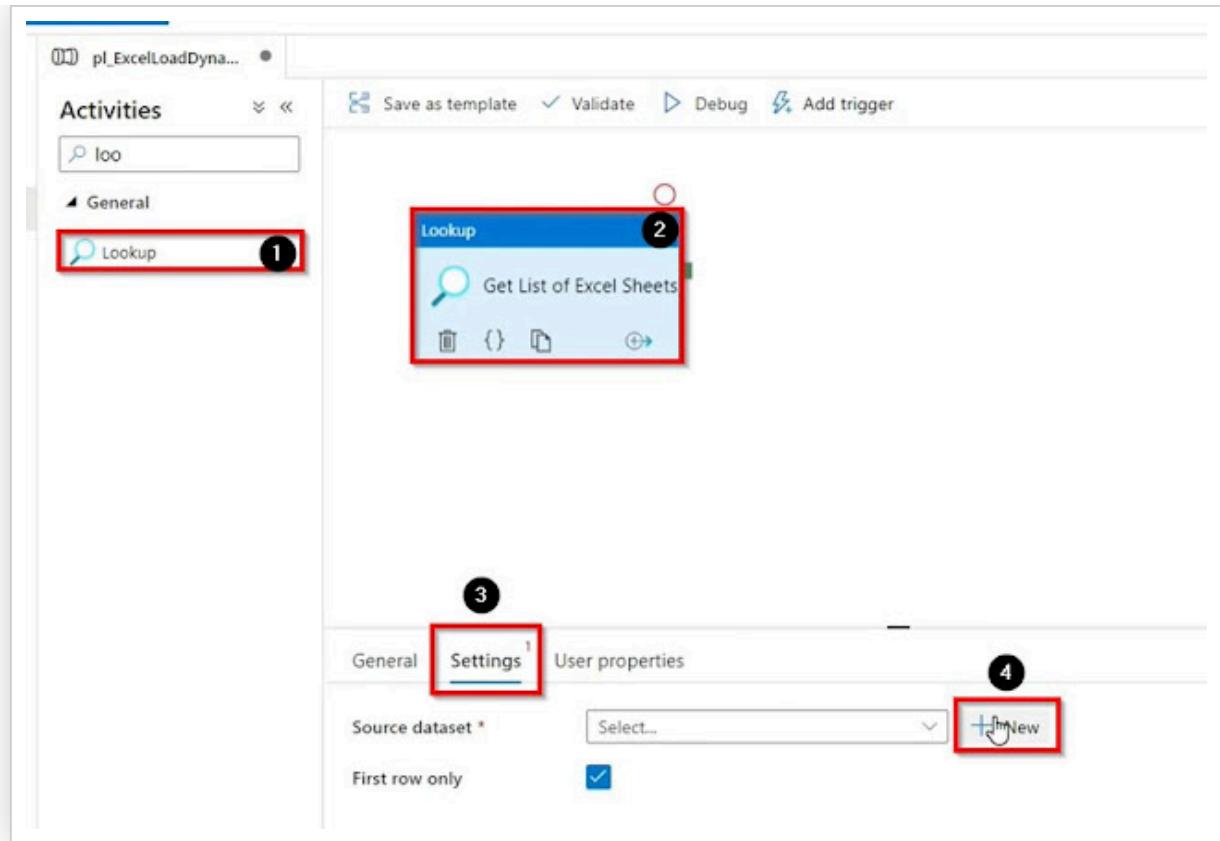
Issue: How To Load Excel File with Multiple Sheets Dynamically by using Lookup Activity in Azure Data Factory.

In this article, we are going to learn how to load Excel file with multiple sheets dynamically by using lookup activity in the Azure data factory. in this scenario I have an Excel file containing three (03) sheets, now I have to load the two sheets from the file to the Azure Data Factory, and the third one will be ignored, let's start our demonstration.

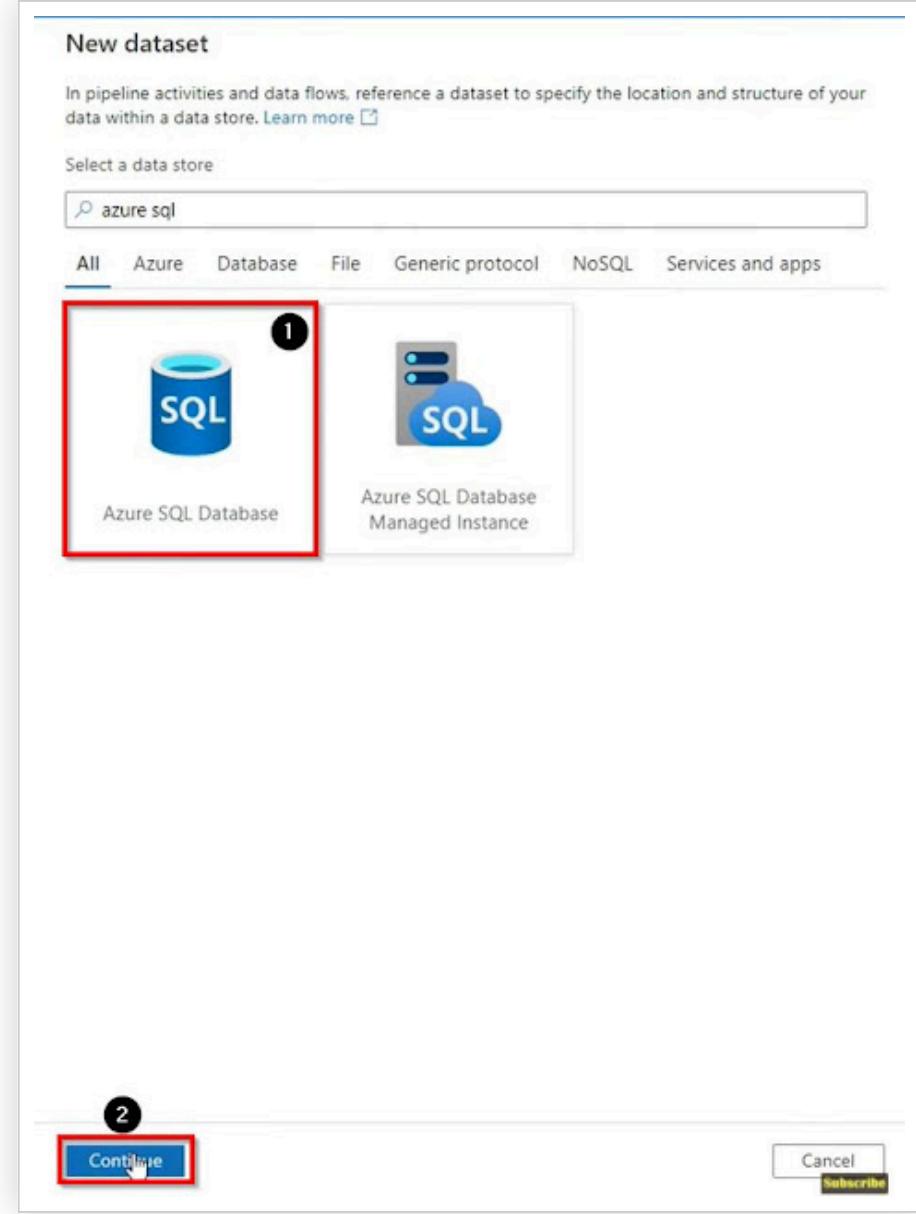
Open the Azure data factory studio, go to the Author tab, click on pipelines, then click on New pipeline.



Find and drag the Lookup Activity, then go to the source tab, click on the + New button to create a new source dataset.



Select Azure SQL database, then click on continue.



Name your dataset and then create a linked service, name your linked service, select the Azure subscription, select the server name, select the database, select the authentication type, provide the user name and password, then click on create, and then click on ok

New linked service (Azure SQL Database)

Name \*  1

Description

Connect via integration runtime \*

Connection string Azure Key Vault

Account selection method ⓘ  
From Azure subscription Enter manually

Azure subscription  2 ✓

Server name \*  3 ✓

Database name \*  4 ✓

Authentication type \*  5 ✓

User name \*  6

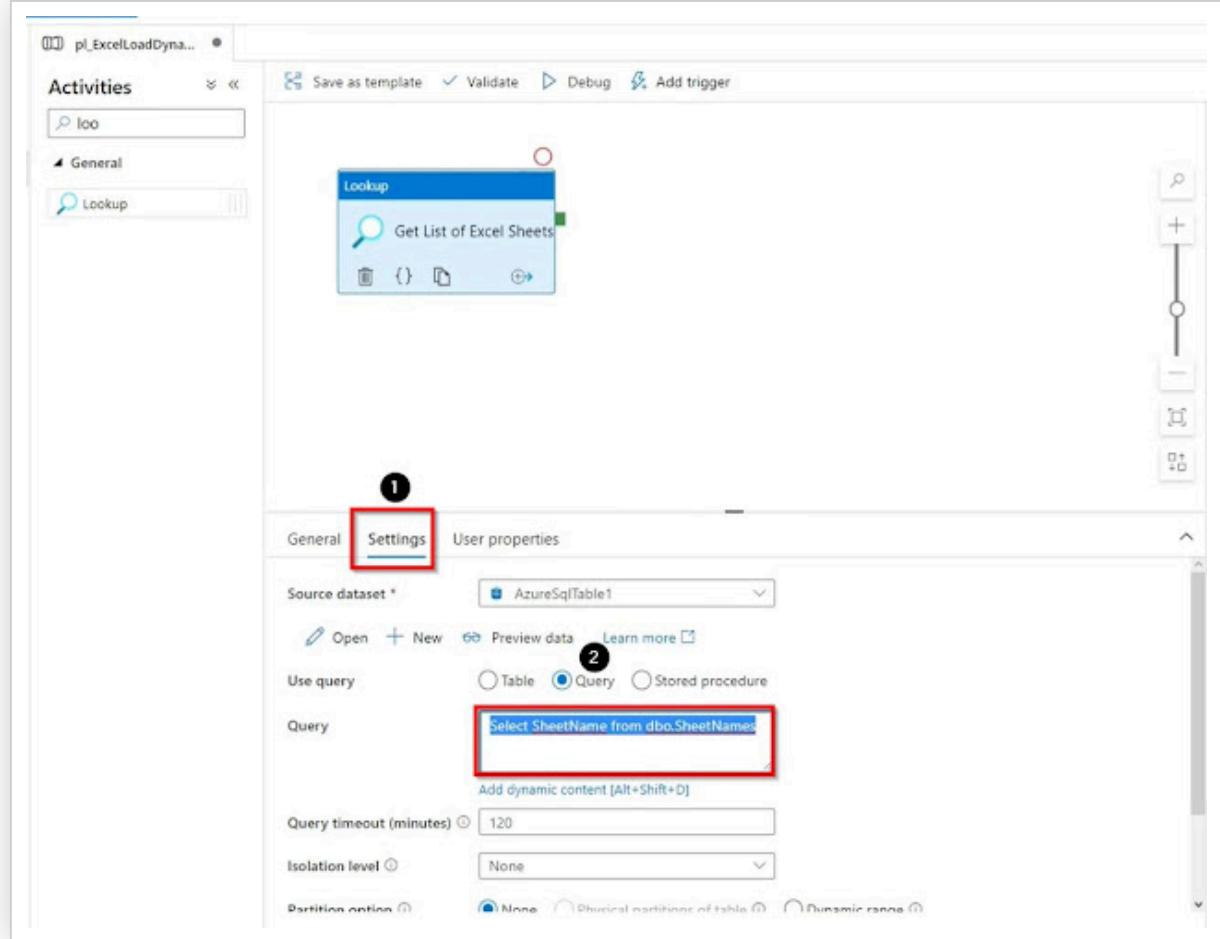
Password Azure Key Vault  
Password \*

Always encrypted  7

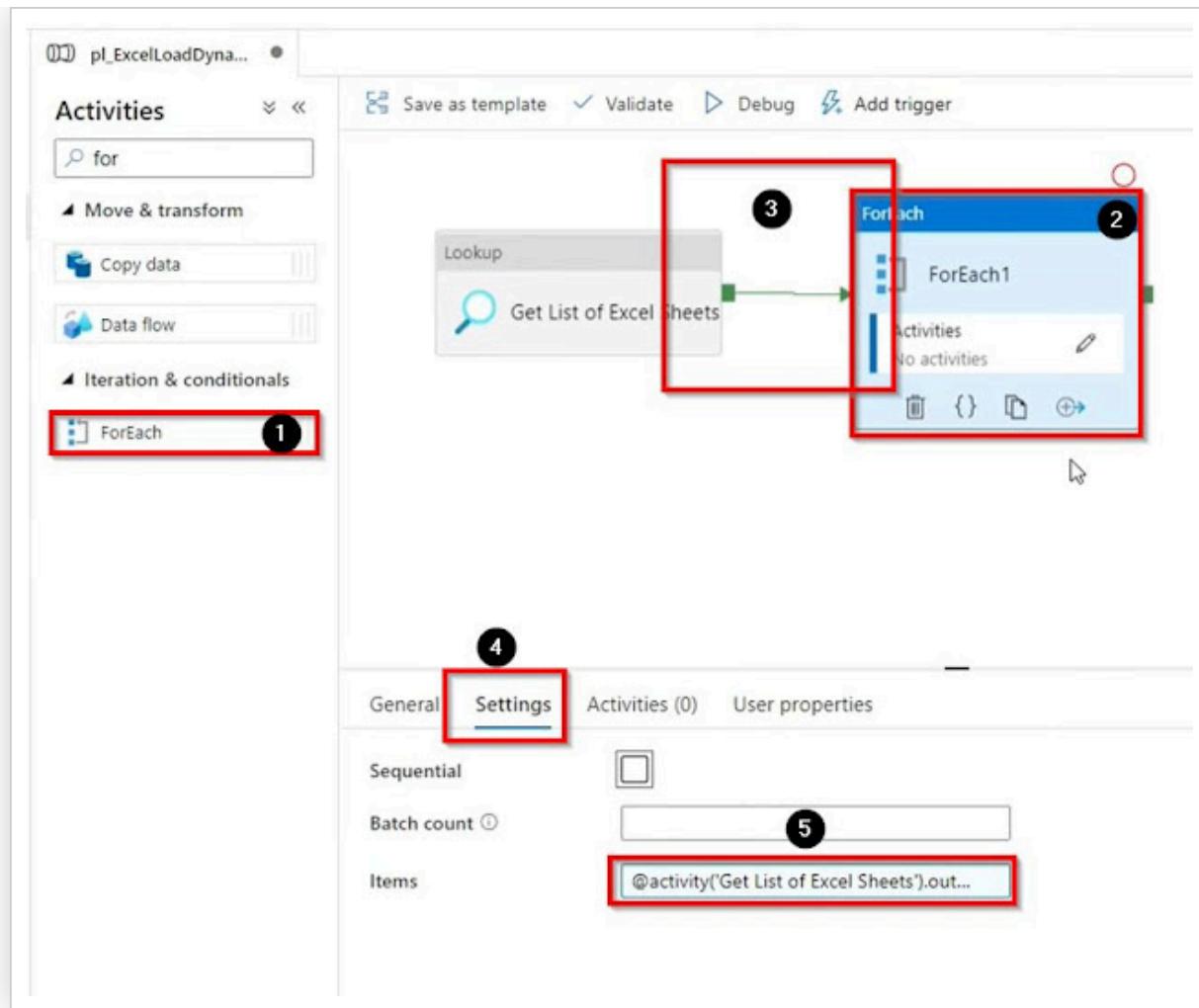
Creating... Cancel Connection successful Test connection Subscribe

The screenshot shows the 'New linked service (Azure SQL Database)' configuration dialog. The 'Name' field (1) is set to 'techbrotherslink'. The 'Azure subscription' field (2) is set to 'Azure subscription 1 (959da5f8-7cdc-4564-8b82-df7a37646d2b)'. The 'Server name' field (3) is set to 'techbrothersitserver'. The 'Database name' field (4) is set to 'TechbrothersIT'. The 'Authentication type' field (5) is set to 'SQL authentication'. The 'User name' field (6) is set to 'tbuser'. The 'Creating...' button (7) is highlighted with a red box.

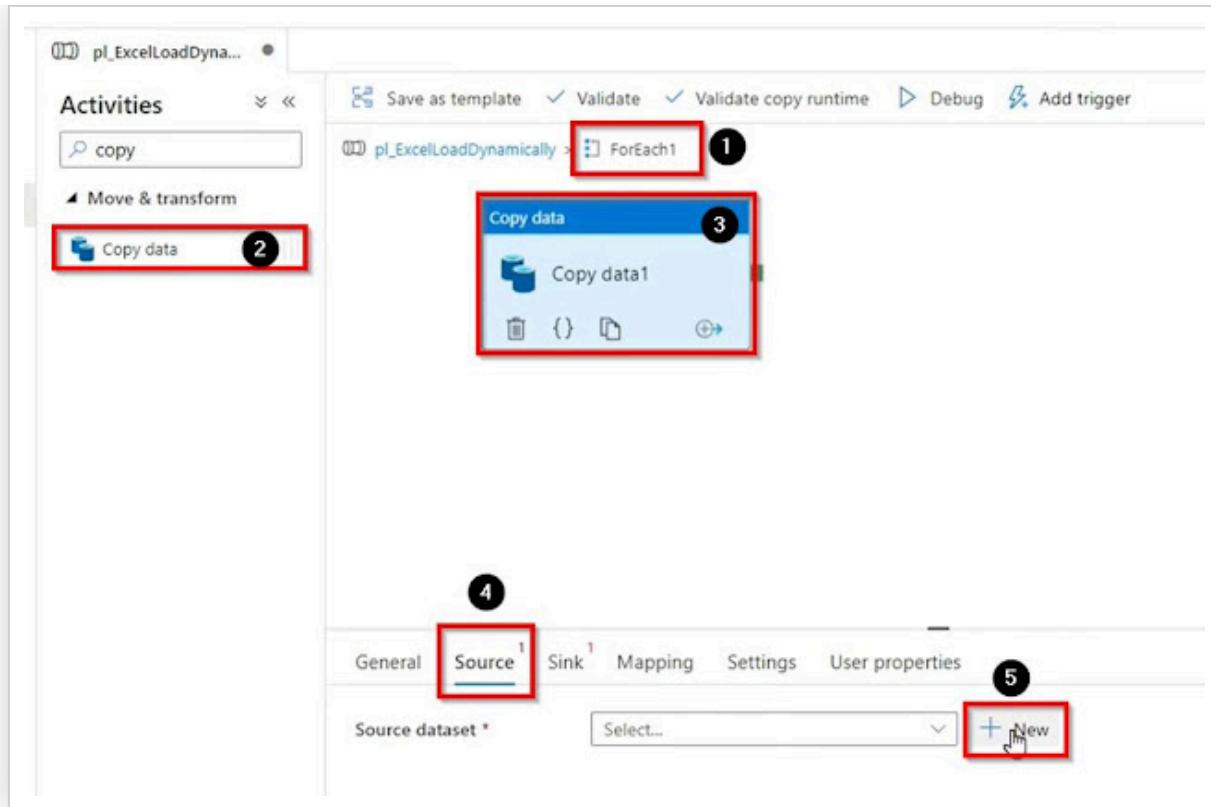
In the settings tab, click on the query and write the query as we need sheet names, and then copy 2 sheets from the source.



Find and drag the ForEach loop activity, connect with the lookup activity, go to the settings tab then add the dynamic content from our lookup activity, and add ".value".



Click on the pencil sign and go inside the ForEach loop activity, find and drag the copy data activity, go to the source tab and click on the + New button to create a new source dataset.



Select Azure blob storage, 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

azure

All Azure Database File Generic protocol NoSQL Services and apps

Azure Blob Storage

Azure Cosmos DB (MongoDB API)

Azure Cosmos DB (SQL API)

Azure Data Explorer (Kusto)

Azure Data Lake Storage Gen1

Azure Data Lake Storage Gen2

Azure Database for MariaDB

Azure Database for MySQL

Azure Database for PostgreSQL

Continue

Cancel

Subscribe

Select Excel, then click on continue.

## Select format

Choose the format type of your data



Avro



Binary



DelimitedText



Excel



JSON



ORC



Parquet



XML

2

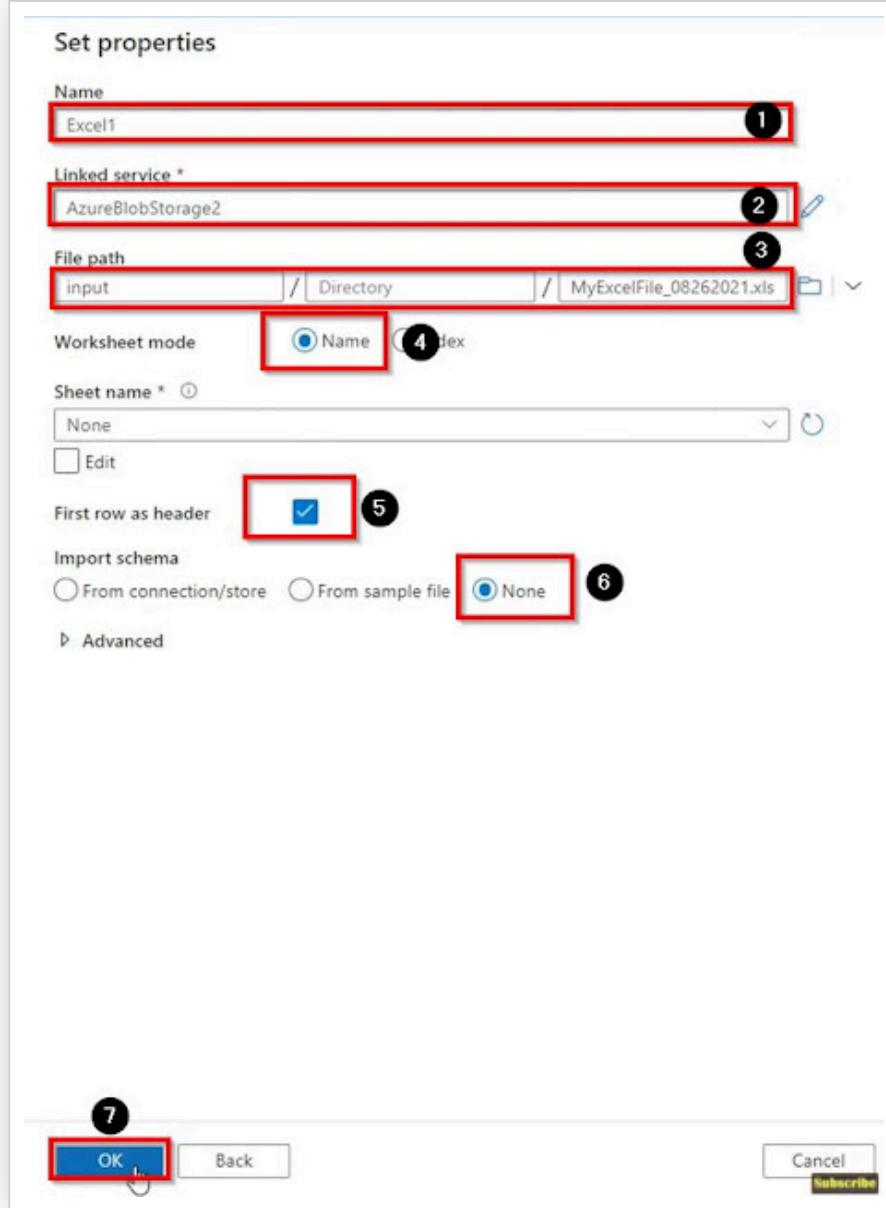
Continue

Back

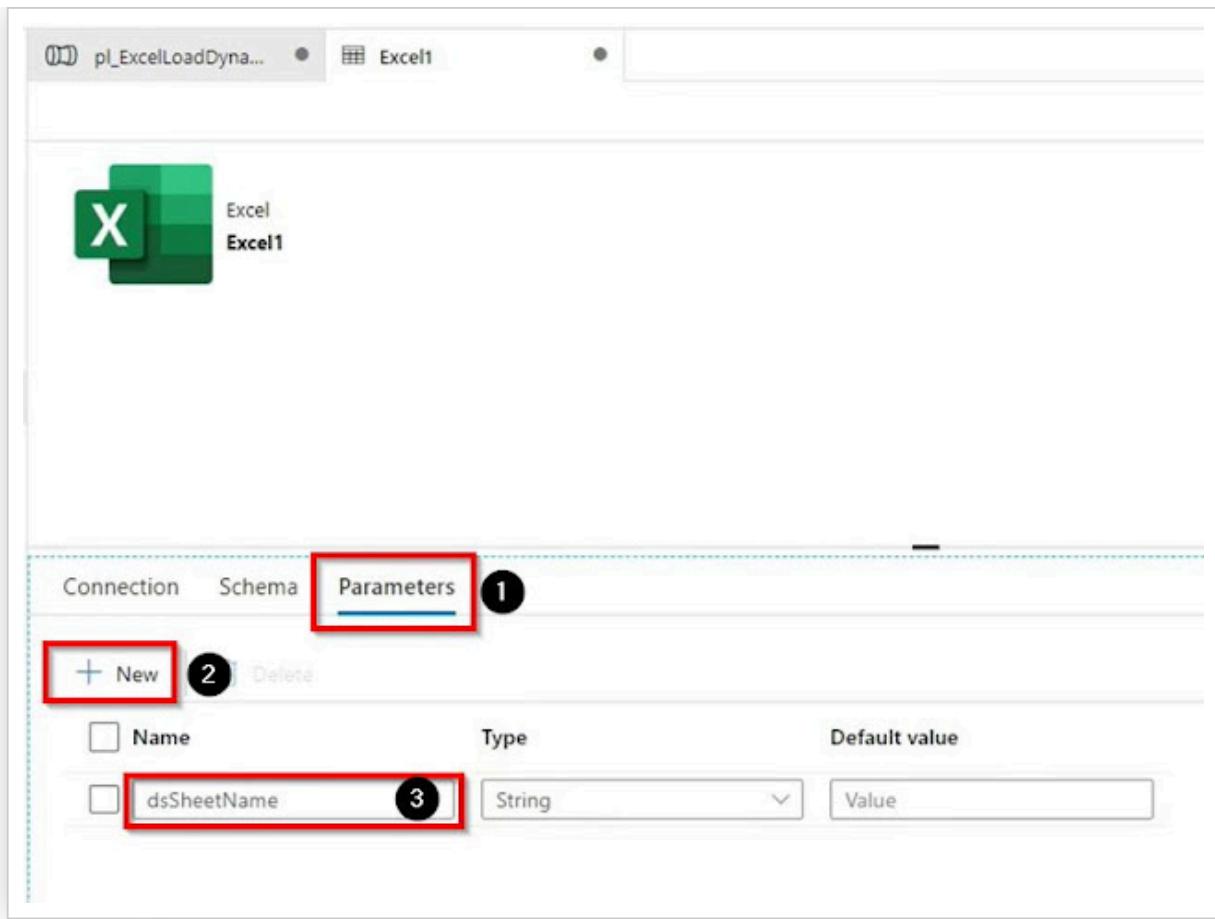
Cancel

Subscribe

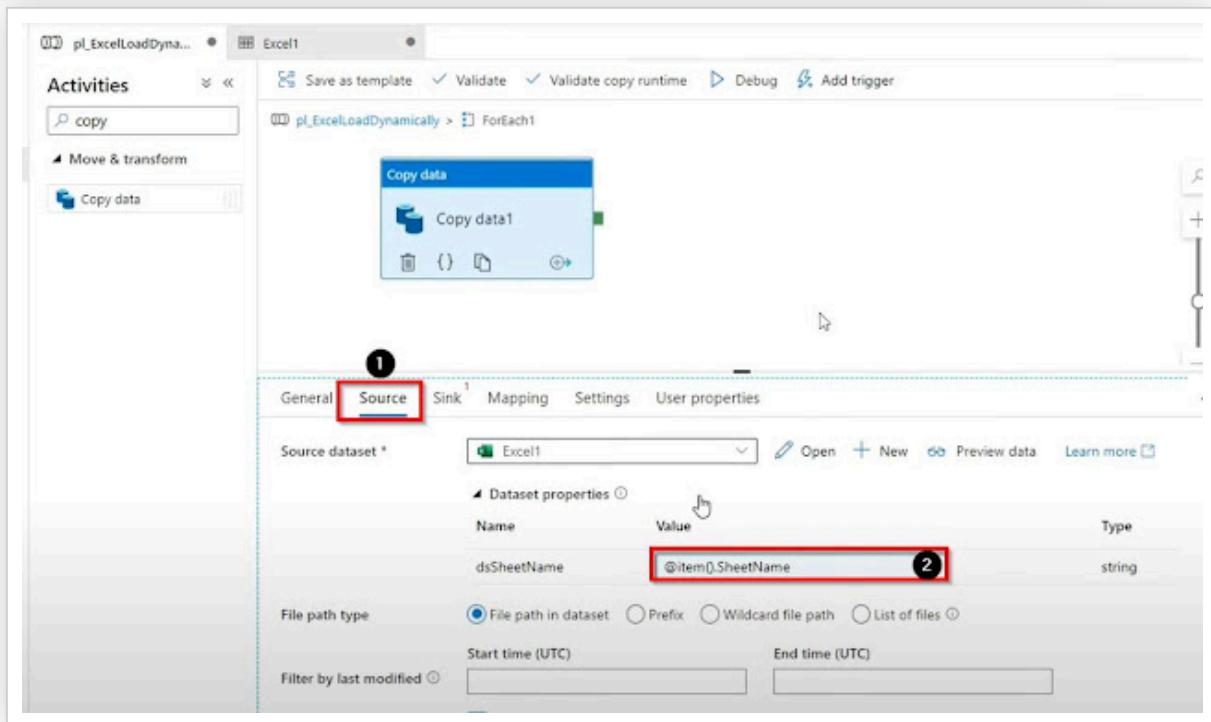
Name your dataset, select the linked service, provide the file path and file name, worksheet mode will be Name, Select First row as header, select None for import schema, then click on Ok.



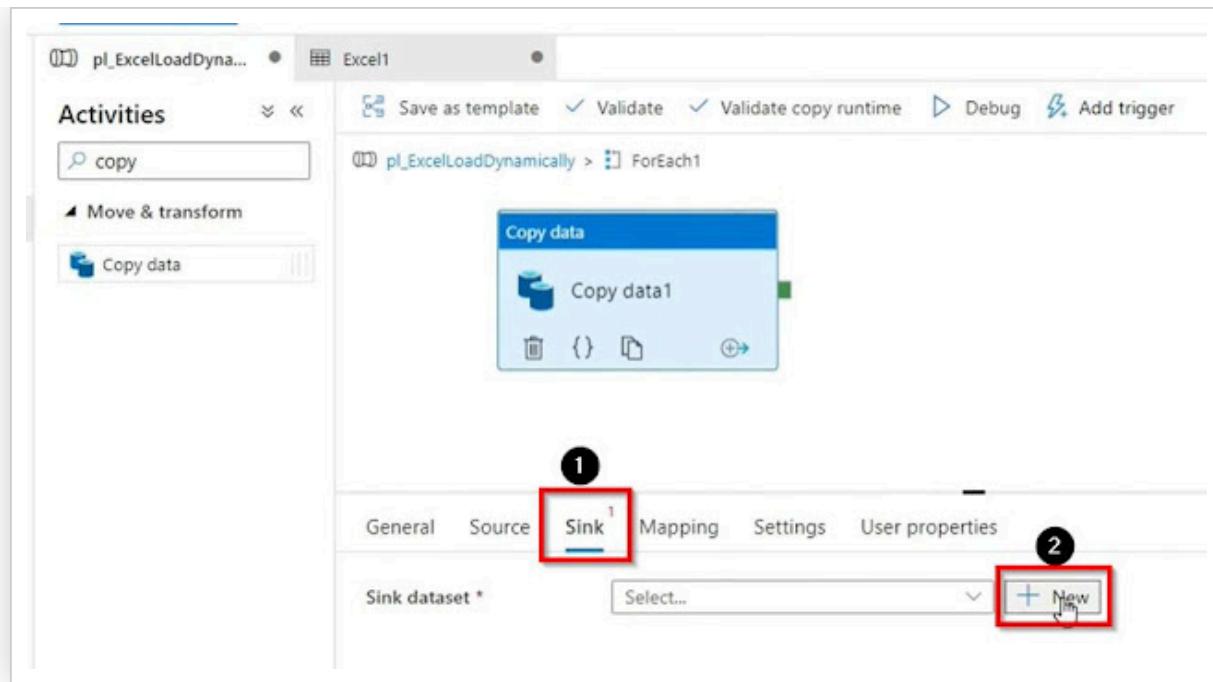
In the source, tab click on the Open button, then go to the parameters tab and create a new parameter, then go to the connection tab and use the parameter.



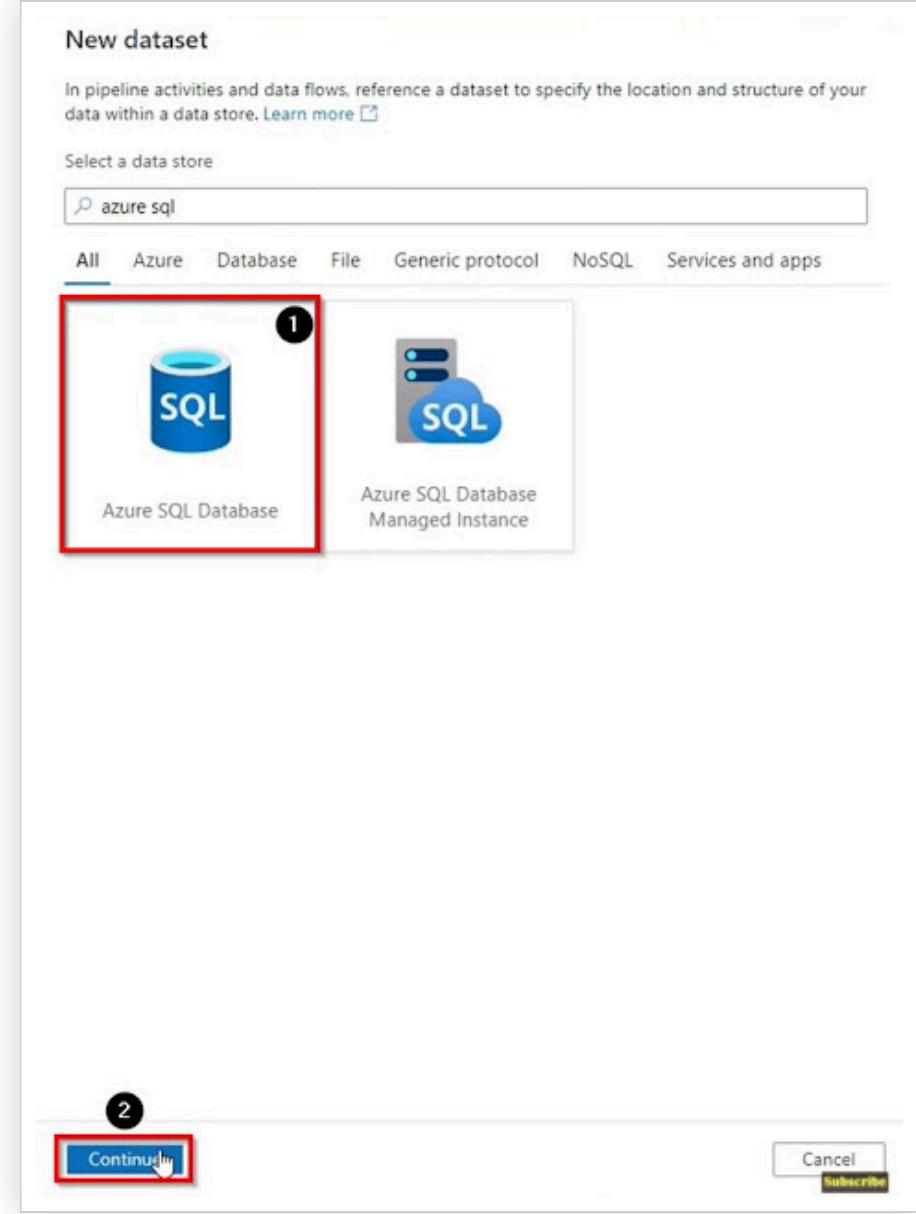
In the source, tab  
add the dynamic  
content for sheets  
names.



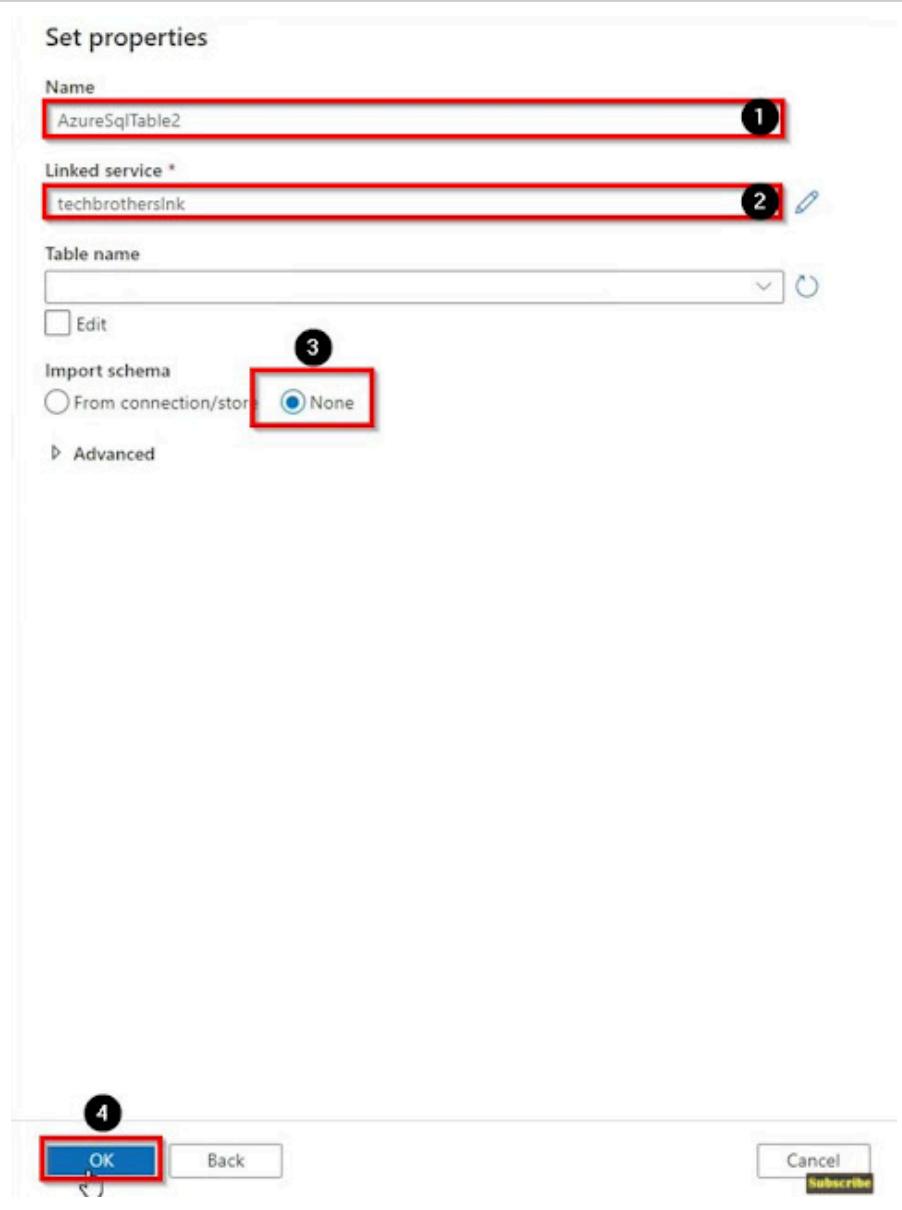
Go to the sink tab, and click on the + New button to create a new sink dataset.



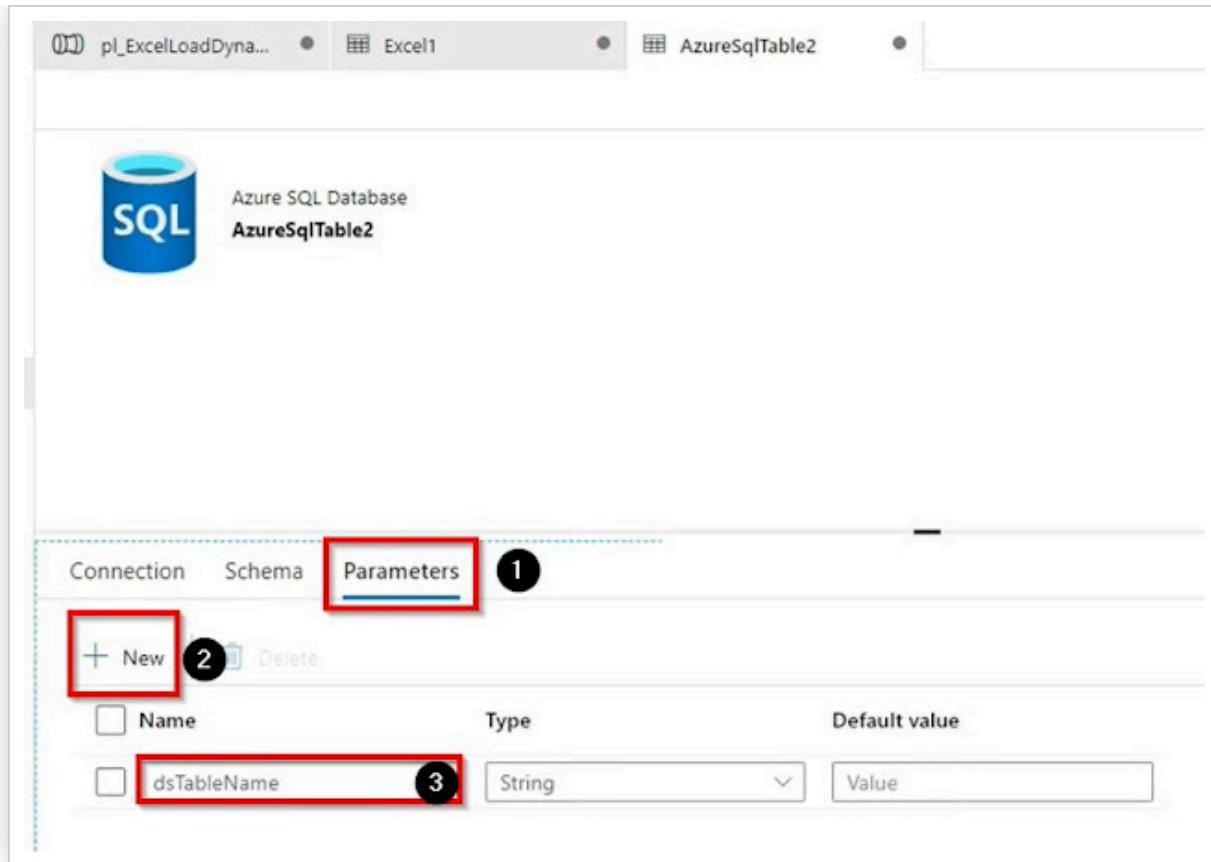
Select Azure SQL database, then click on continue.



Name your Sink dataset, select the linked service, select None for import Schema, then click on Ok.



In the Sink tab, click on Open, then go to the parameters tab, click on the + New button then create a parameter and use it in the connections tab.



In the Sink, tab add the dynamic content, mapping with the ForEach loop Activity, and then click on Debug.

