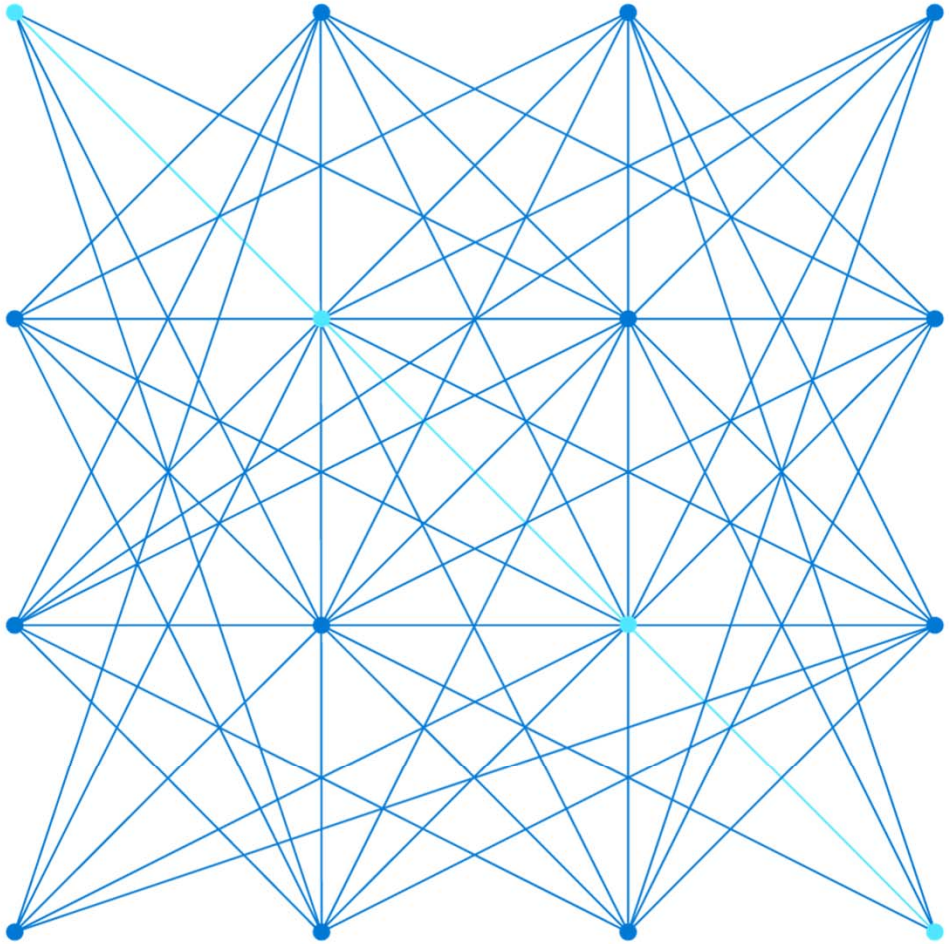
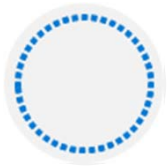
Microsoft Azure

DP-203T00: Transform data with Azure Data Factory or Azure Synapse Pipelines



Agenda

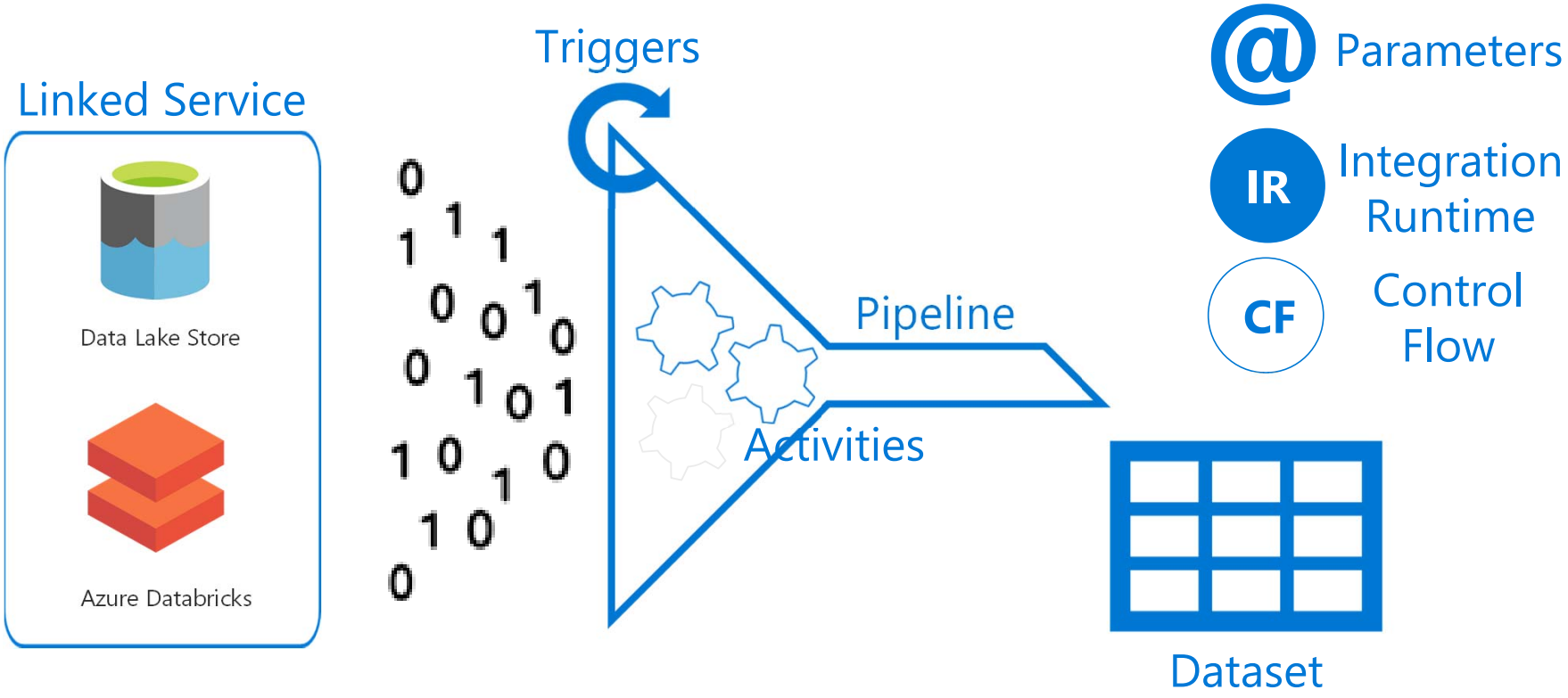
Lesson 01 – Data integration with Azure Data Factory or Azure Synapse Pipelines



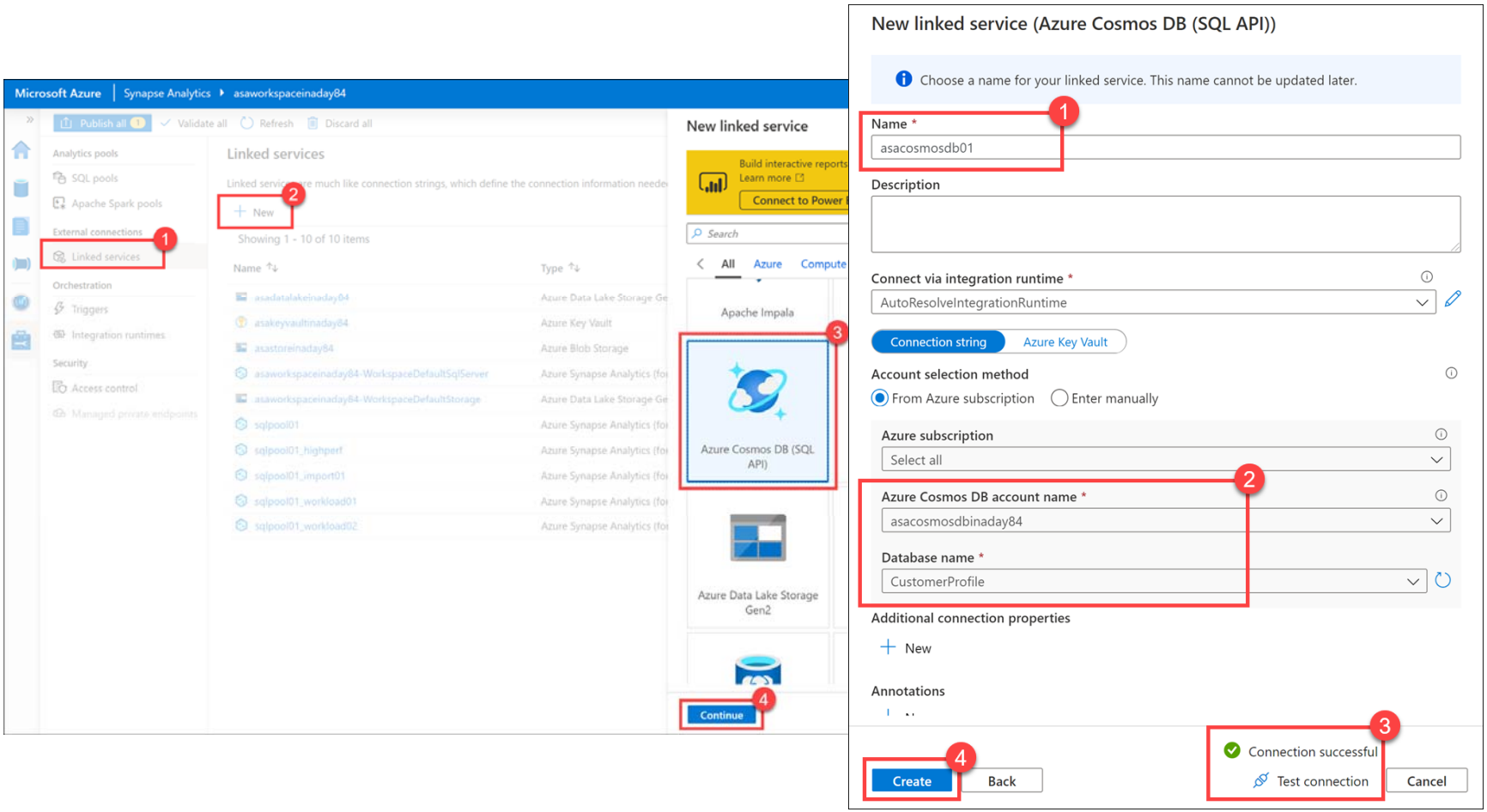
Lesson 02 – Code-free transformation at scale with Azure Data Factory or Azure Synapse Pipelines

Lesson 01: Data integration with Azure Data Factory or Azure Synapse Pipelines

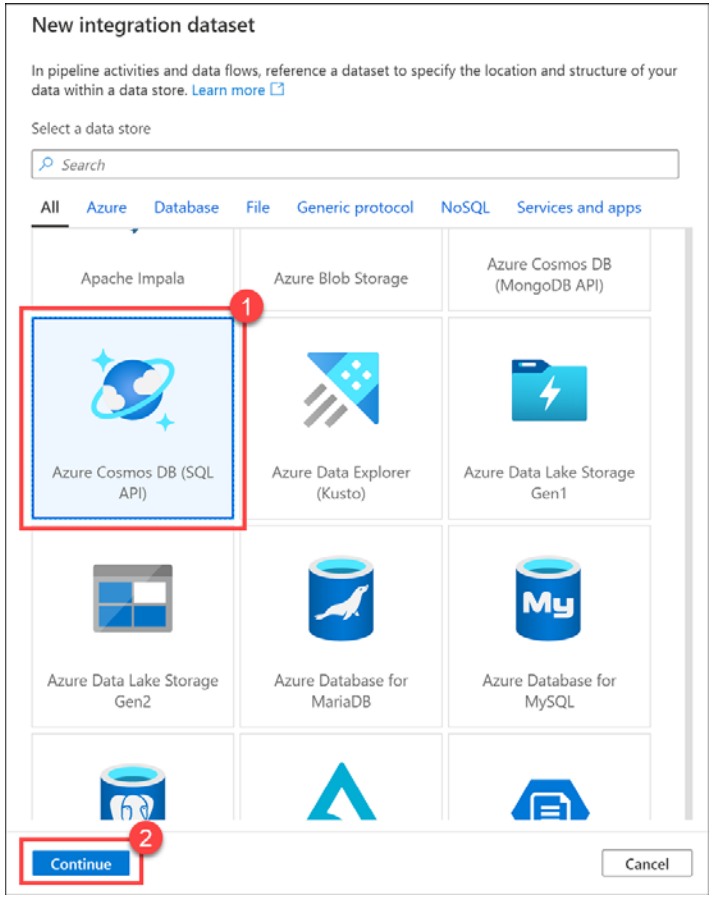
Data integration with Azure Data Factory or Azure Synapse Pipelines

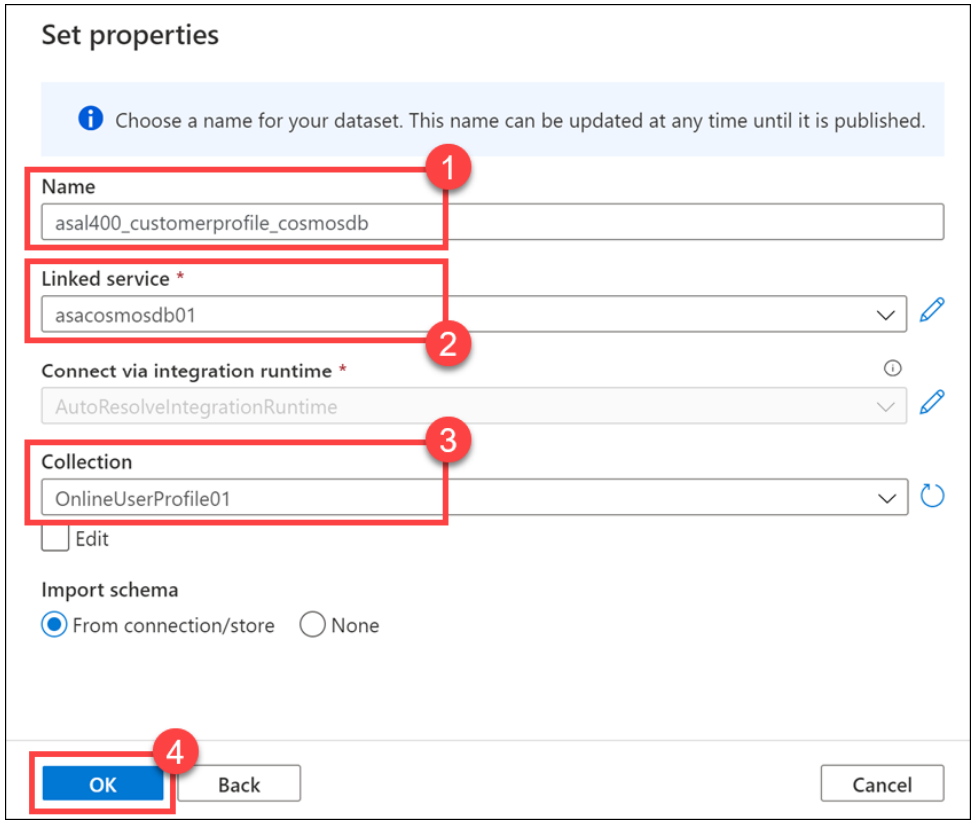


Linked Services

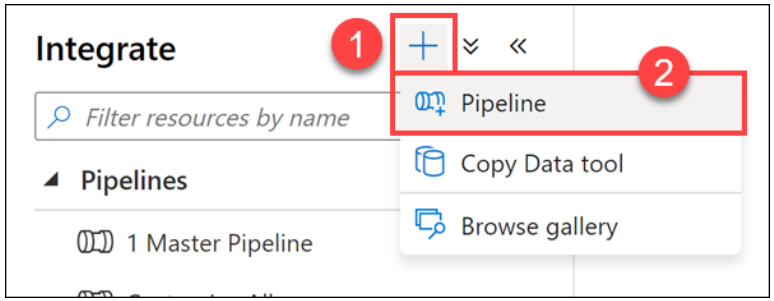


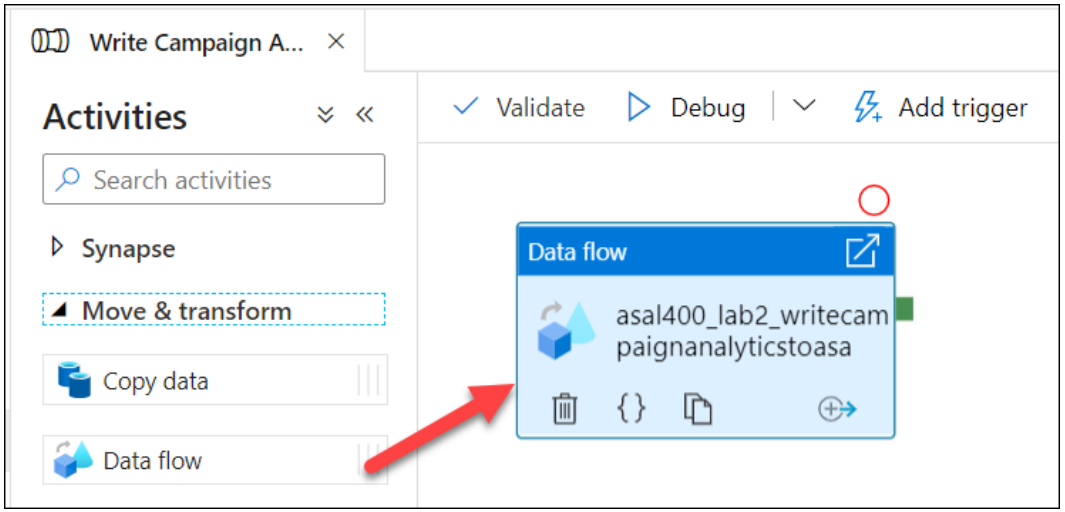
Datasets


New integration 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
Search
All
Azure
Database
File
Generic protocol
NoSQL
Services and apps
Apache Impala
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
1
2
Continue
Cancel


Set properties
Choose a name for your dataset. This name can be updated at any time until it is published.
Name
asal400_customerprofile_cosmosdb
Linked service *
asacosmosdb01
Connect via integration runtime *
AutoResolveIntegrationRuntime
Collection
OnlineUserProfile01
Edit
Import schema
From connection/store
None
1
2
3
4
OK
Back
Cancel

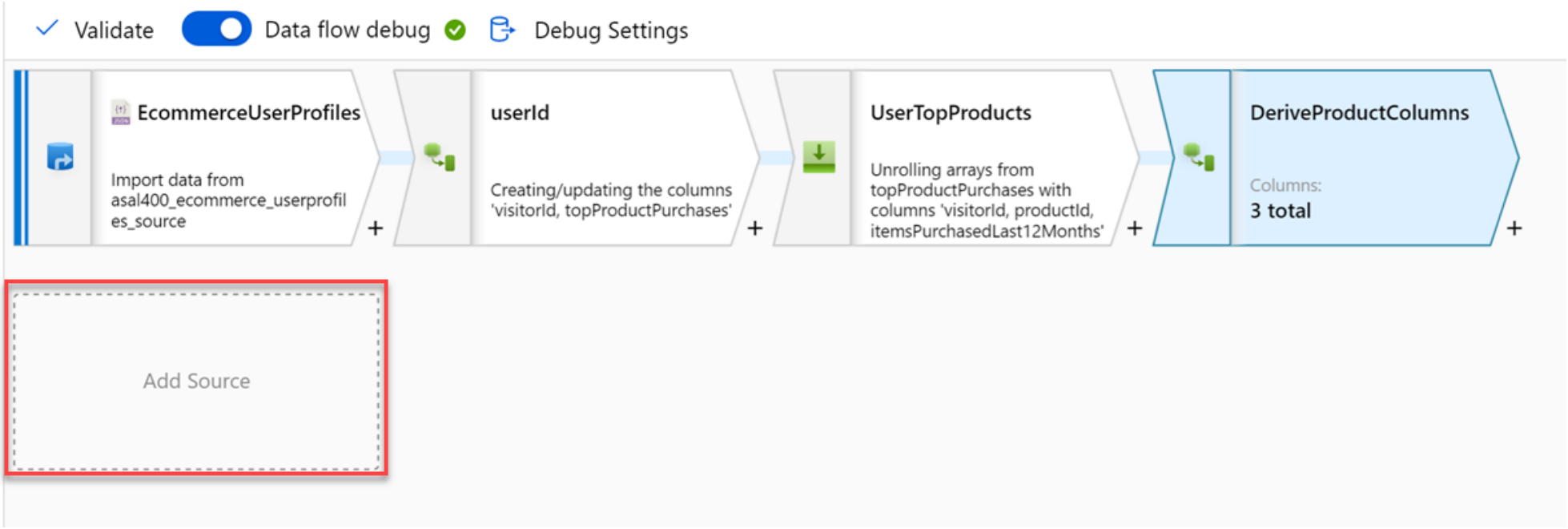
Activities and pipelines



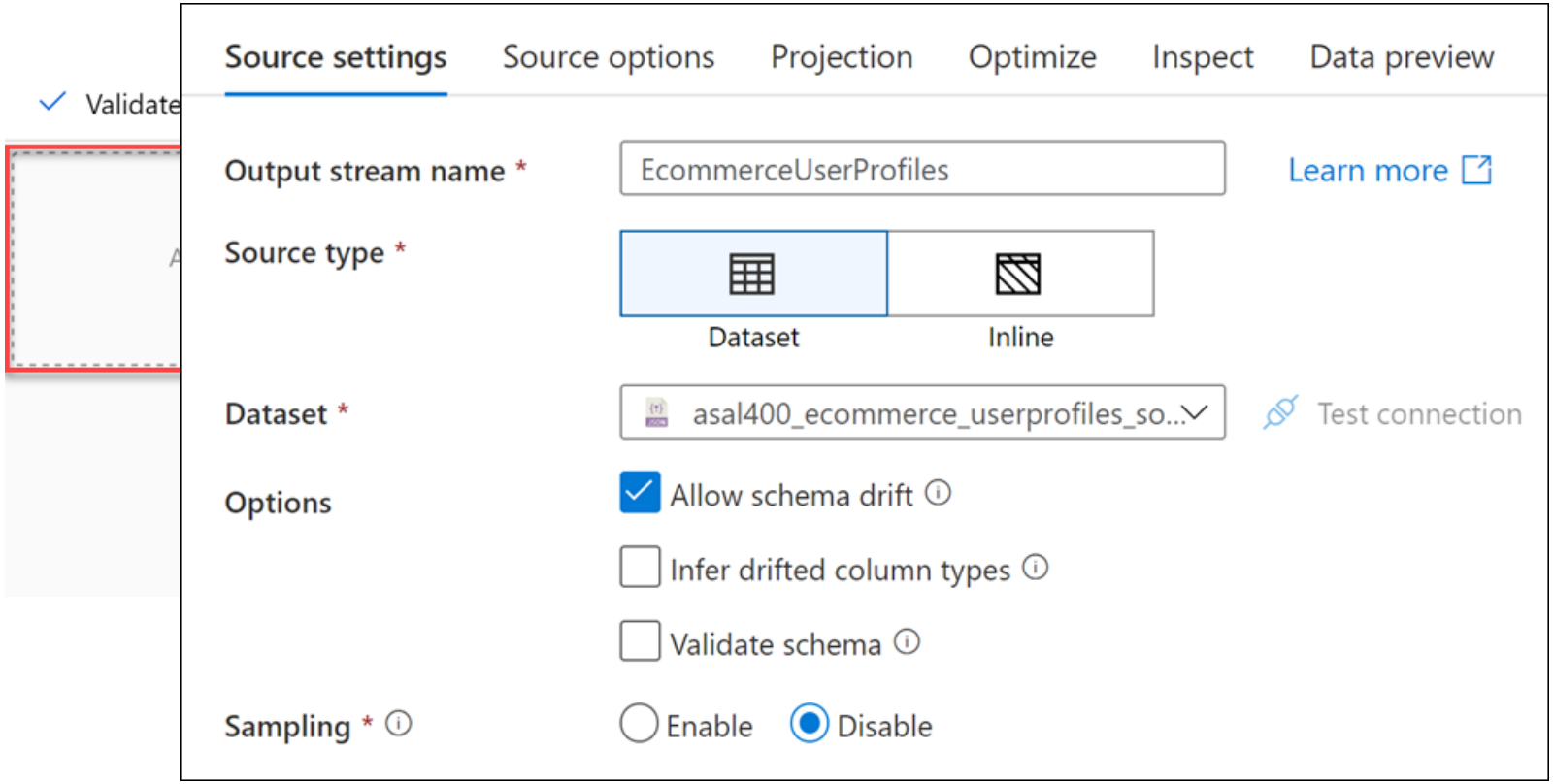


Lesson 01: Code-free transformation at scale with Azure Data Factory or Azure Synapse Pipelines

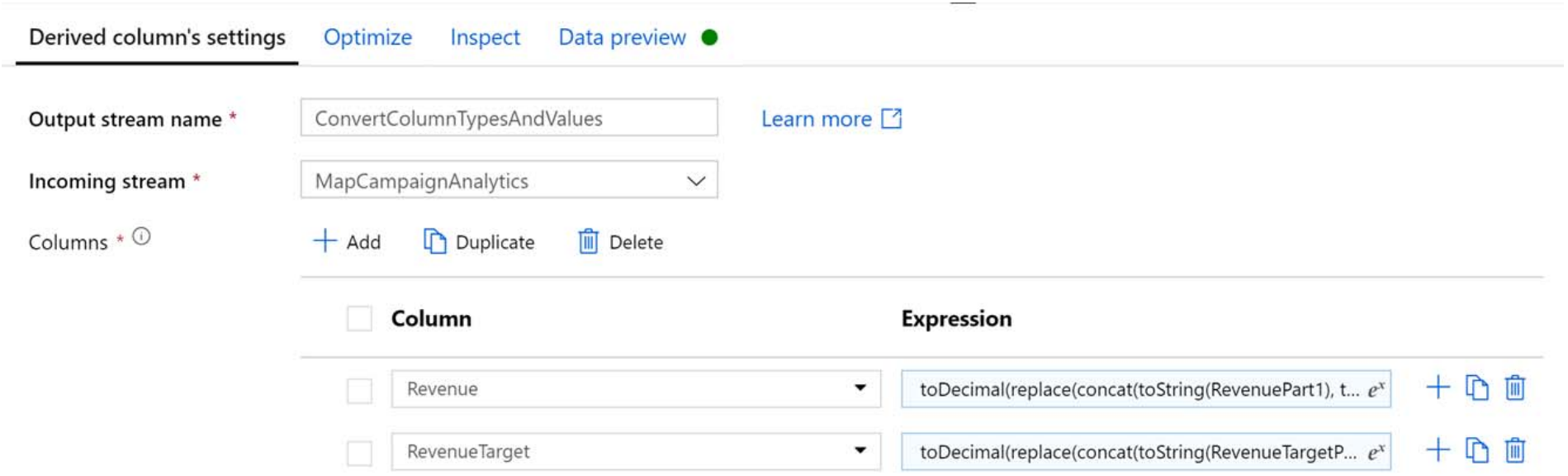
Code-free transformation at scale with Azure Data Factory or Azure Synapse Pipelines



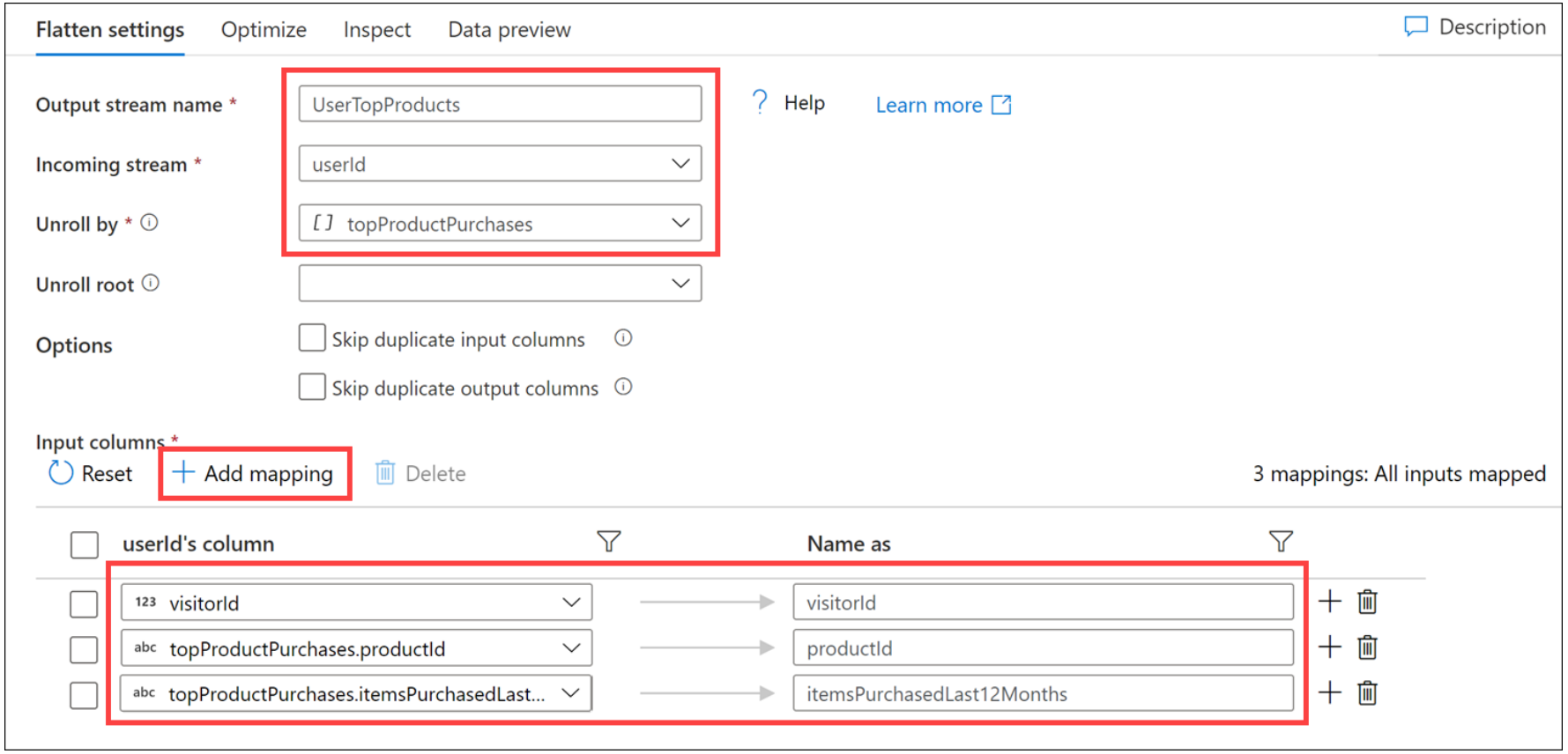
Adding a source



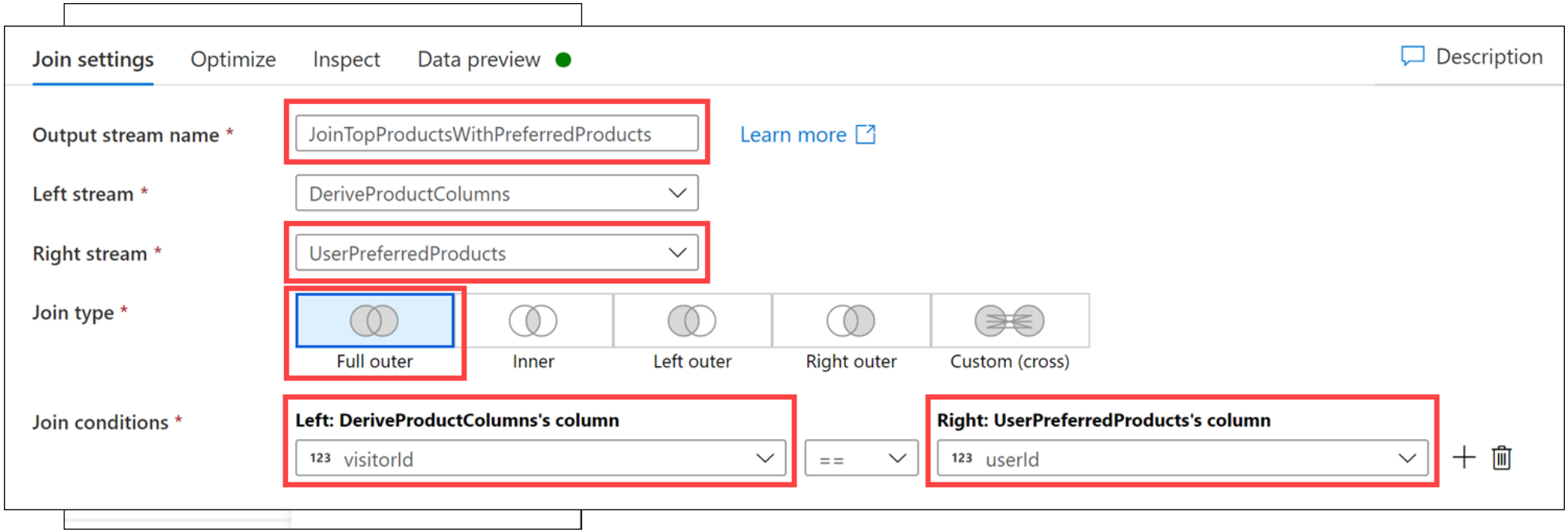
Schema modifier transformations



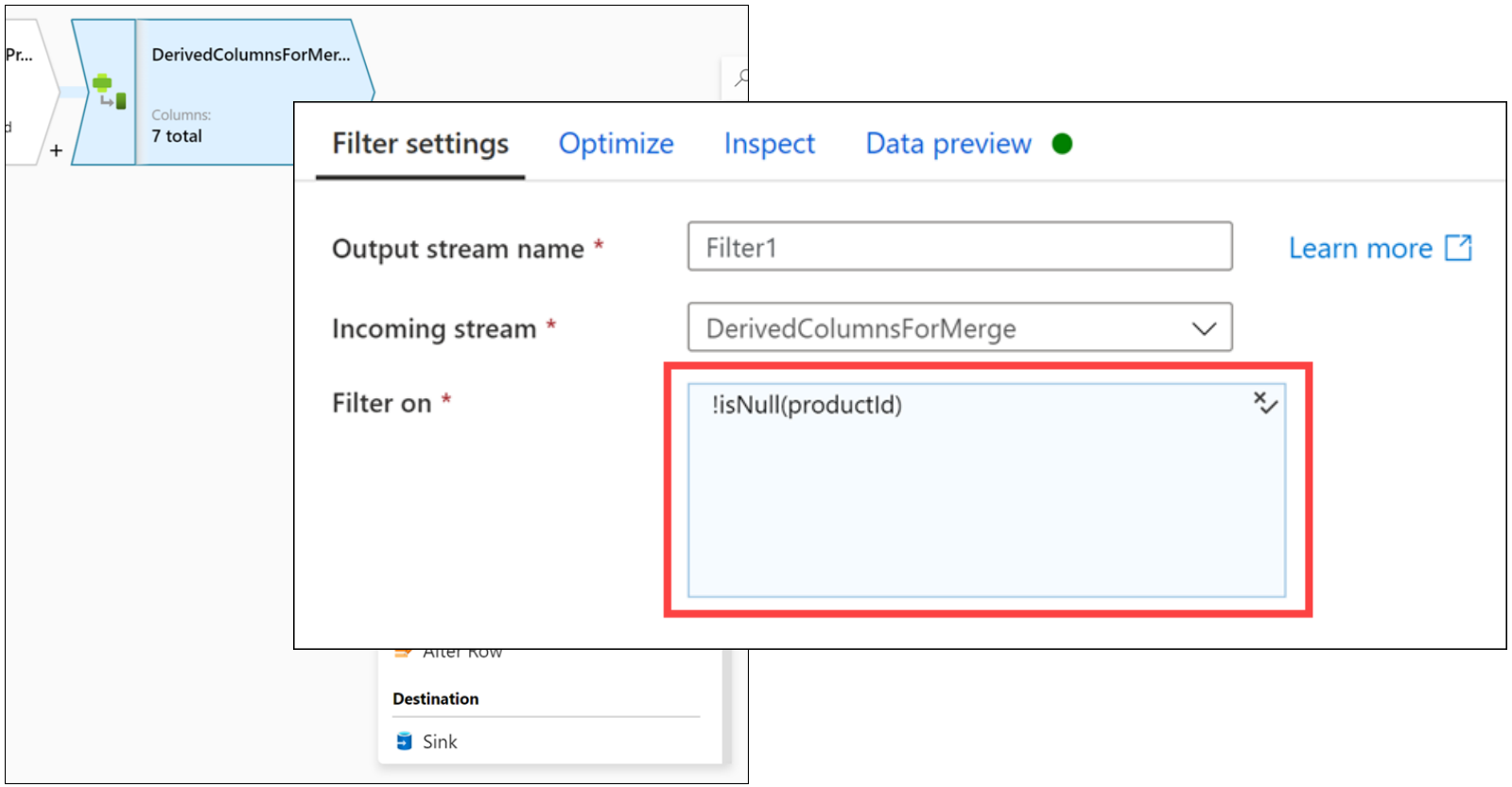
Formatter transformations



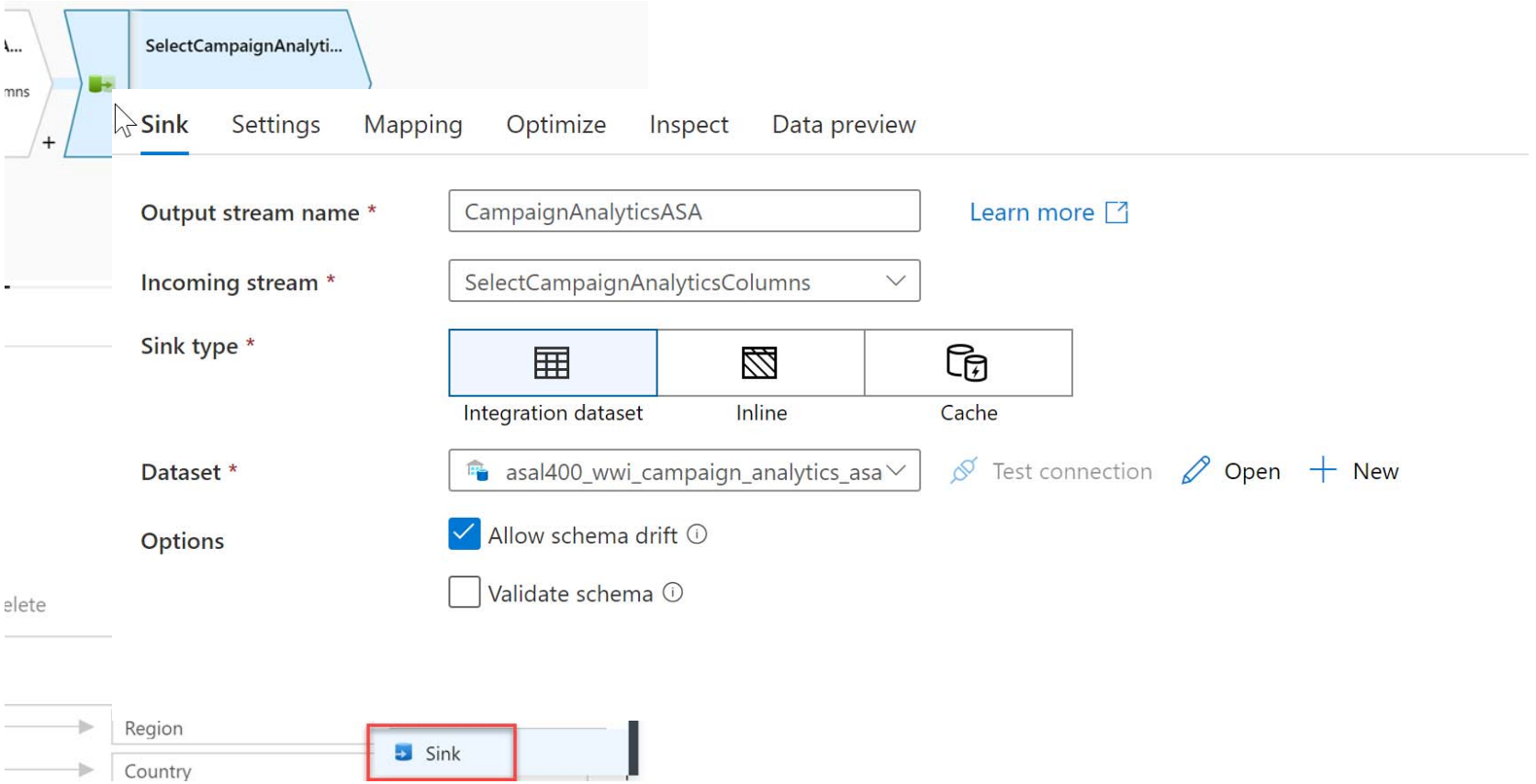
Multiple inputs/outputs transformations



Row modifier transformations



Sink transformation



Review questions

Q01 – You are moving data from an Azure Data Lake Gen2 store to Azure Synapse Analytics. Which Azure integration runtime would be used?

A01 – Azure

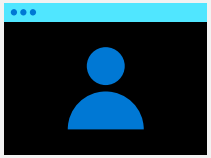
Q02 – Which control activity can be used to branch an activity on a condition that evaluates to true or false?

A02 – If Condition activity

Q03 – What feature enables you to interact with the Mapping Data Flow transformations that you create?

A03 – Debug

Lab: Transform data with Azure Data Factory or Azure Synapse Pipelines



Lab overview

This lab teaches students how to build data integration pipelines to ingest data from multiple data sources, transform data using mapping data flows and notebooks, and perform data movement into one or more data sinks.

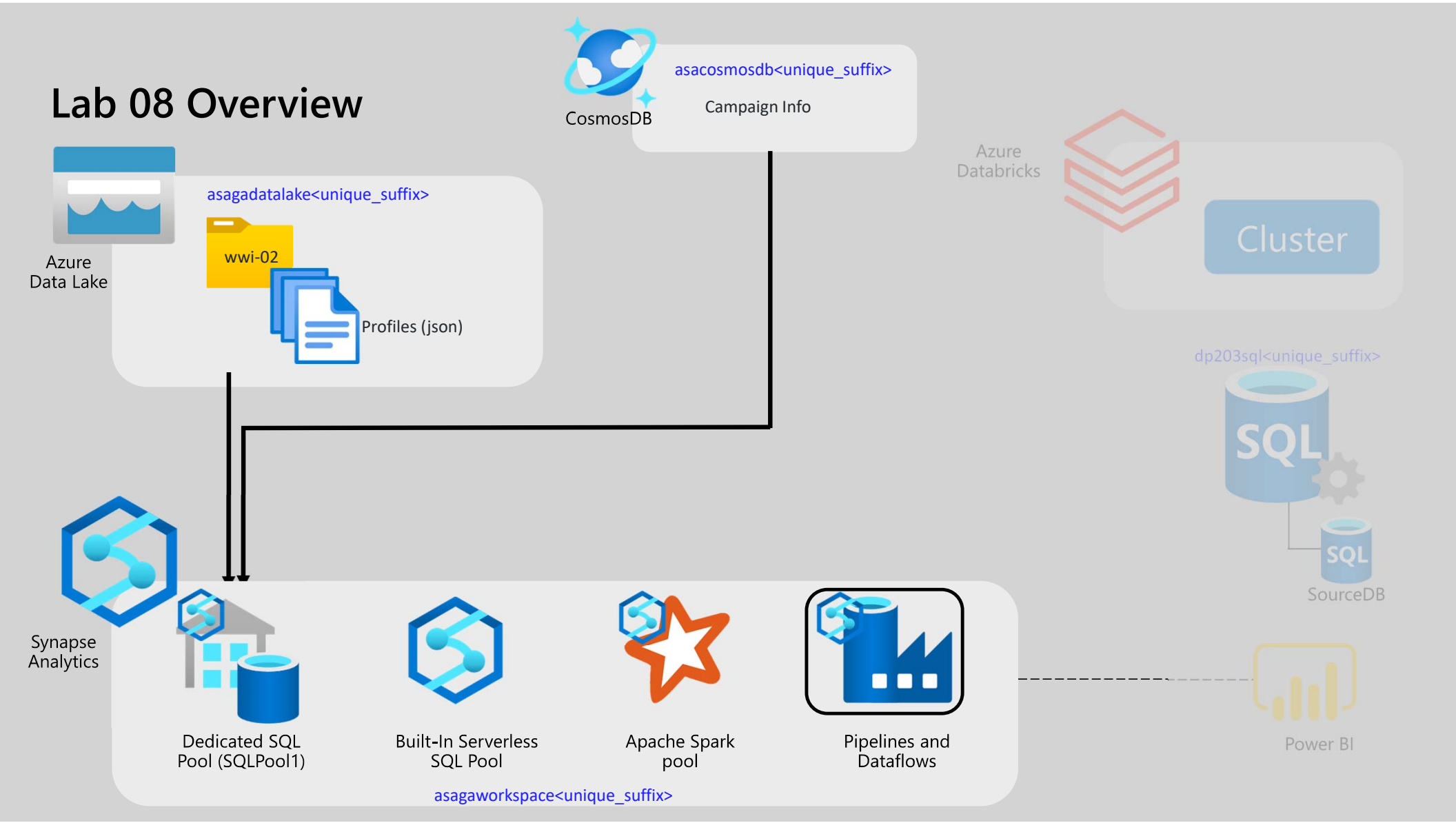
Lab objectives

After completing this lab, you will be able to:

Data integration with Azure Data Factory or Azure Synapse Pipelines

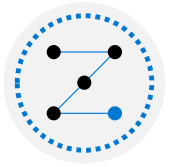
Code-free transformation at scale with Azure Data Factory or Azure Synapse Pipelines

Lab 08 Overview

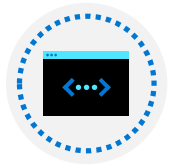


Lab review

Question 1 – What are the first two components do you create in Azure Data Factory/Azure Synapse Pipelines to connect to data in a data source?



Question 2 – Which mapping data flow transformation enables you to remove records during the execution of a data flow?



Question 3 – How can you save and persist the work that you create in Azure Data Factory/Azure Synapse Pipelines?

Question 4 – How can you view detailed information about a data flow?

Module summary

In this module, you have learned about:

- Data integration with Azure Data Factory or Azure Synapse Pipelines
- Code-free transformation at scale with Azure Data Factory or Azure Synapse Pipelines

Next steps

After the course, consider visiting [the Microsoft Customer Case Study site]. Use the search bar to search by an industry such as healthcare or retail, or by a technology such as Azure Synapse Analytics or Azure Data Factory. Read through some of the customers stories