

Use-case 2 : Utilize Azure Data Factory (ADF) to ingest Orders and Customers data, and execute fundamental transformations on the datasets.

Note: You can create a Dashboard for the project to organize the resources related to the project at one place.

Click on Dashboard => Create => Custom =>



Dataset orders.csv can be downloaded from -
https://files.cdn.thinkific.com/file_uploads/349536/attachments/c28/5fb/25b/orders.csv

Dataset customers.csv is provided in the Week18 downloadable section in the portal

Requirement - Ingest orders.csv file from external URL to ADLS Gen2

Create Resource Group project Resources:

Home > Resource groups >

Create a resource group ...

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription *	Pay-As-You-Go
Resource group *	trendytech-rg

Resource details

Region *	(Asia Pacific) Central India
----------	------------------------------

Review + create

< Previous

Next : Tags >

Home > Resource groups >

Create a resource group ...

✓ Validation passed.

Basics Tags Review + create

Basics

Subscription	Pay-As-You-Go
Resource group	trendytech-rg
Region	Central India

Tags

None

Create

< Previous

Next >

[Download a template for automation](#)

Now you can pin it to a dashboard as shown below.

The screenshot shows the Azure portal interface for a resource group named 'trendytech-rg'. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings, Deployments, Security, Deployment stacks, Policies, Properties, and Locks. The main area displays the 'Essentials' tab with a 'Resources' section. A message states 'No resources match your filters'. On the right, a 'Pin to dashboard' dialog is open, showing the 'Existing' dashboard 'Customer-360' and 'Private' type. The 'Pin' button is highlighted.

Create a Resource - Storage Account (Datalake) :

Create a Storage Account (Enable Hierarchical namespace to make it as data lake storage and not just the blob storage)

The screenshot shows the 'Create a storage account' page in the Azure portal. The 'Basics' tab is selected, showing fields for Subscription (Pay-As-You-Go), Resource group (trendytech-rg), Storage account name (trendytechsa), and Region (Asia Pacific) Central India. The 'Review' button is highlighted.

Keep other option as it is just “**Enable hierarchical namespace**” refer attached screenshot.

[Home](#) > [Storage accounts](#) >

Create a storage account ...

Basics **Advanced** Networking Data protection Encryption Tags Review

Enable hierarchical namespace ☒

Access protocols

Blob and Data Lake Gen2 endpoints are provisioned by default [Learn more](#)

Enable SFTP ⓘ ☐

Enable network file system v3 ⓘ ☐

Blob storage

[Review](#) [< Previous](#) [Next : Networking >](#)

[Home](#) > [Storage accounts](#) >

Create a storage account ...

Basics Advanced **Networking** Data protection Encryption Tags **Review**

Use shared access signatures ⓘ ☐

Versioning Disabled

Blob change feed Disabled

Version-level immutability support Disabled

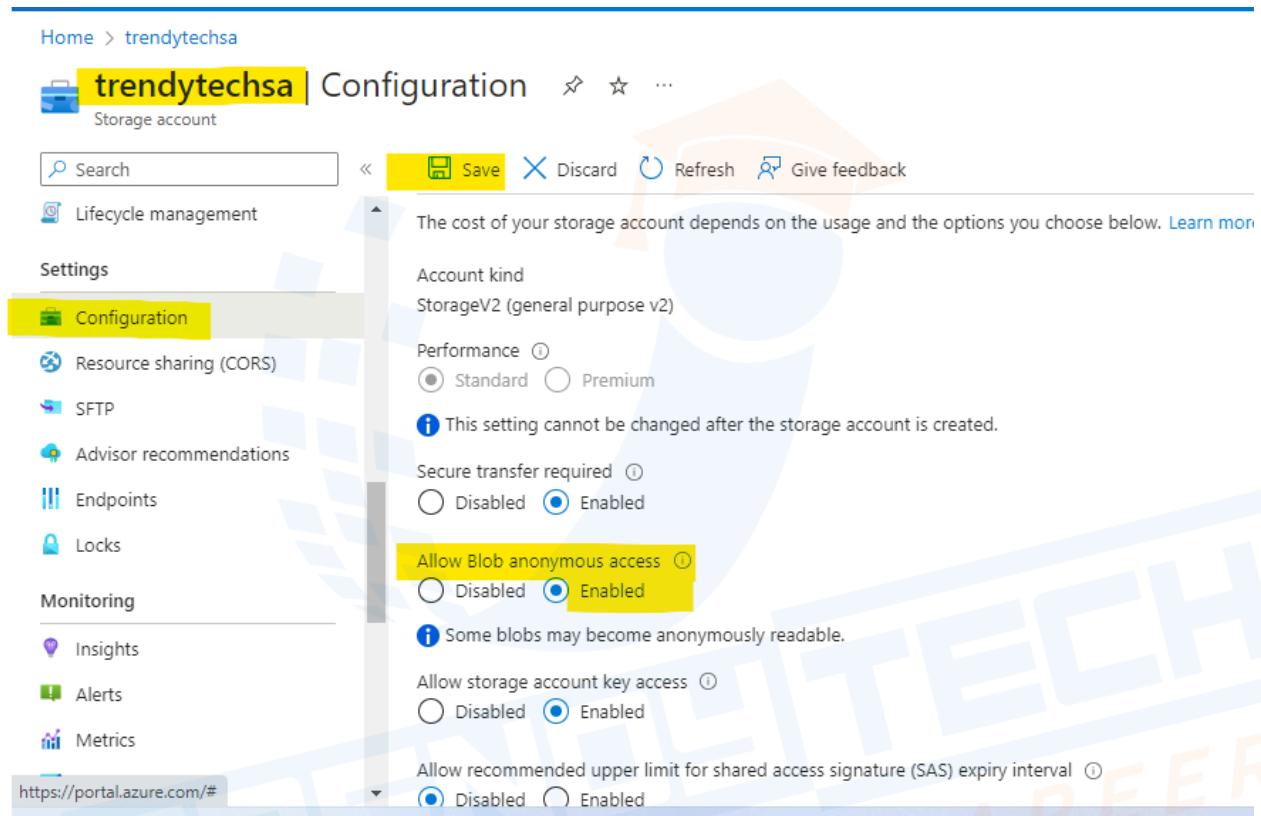
Encryption

Encryption type	Microsoft-managed keys (MMK)
Enable support for customer-managed keys	Blobs and files only
Enable infrastructure encryption	Disabled

[Create](#) [< Previous](#) [Next >](#) [Download a template for automation](#)

Note: Once a resource has been created, you have the option to add it to the dashboard for quick access.

Note : After creating resources go to Setting => Configuration => Enable (Allow Blob anonymous access) => click on “Save”



Now create the container “data” and create the directory “output”

Note: Sumit explains the creation of the container and output folder later in the video while setting up the linked service; however, the steps are provided here for your convenience.

Home > trendytechsa

trendytechsa | Containers

Storage account

Search

+ Container

Change access level

Restore containers

Refresh

Delete

Give

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser

Data storage

Containers

File shares

Queues

Search containers by prefix

Name	Last modified	A
<input type="checkbox"/> \$logs	1/10/2024, 7:46:42 PM	P

New container

Name *
data

Anonymous access level ⓘ
Container (anonymous read access for containers and blobs)

All container and blob data can be read by anonymous request. Clients can enumerate blobs within the container by anonymous request, but cannot enumerate containers within the storage account. Anonymous access bypasses Access Control List (ACL) settings.

Advanced

Create

Give feedback

Upload

Add Directory

Refresh

Rename

Delete

Change tier

Acquire lease

Break lease

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: data

Search blobs by prefix (case-sensitive)

Name	Modified	Access tier	Archive status	Blob type	Size
No results					

Add Directory

Name *
output

Save

Give feedback

TRENDY TECH
UPLIFT YOUR CAREER!

Home > trendytechsa | Containers >

data

Container

Upload

Add Directory

Refresh

Rename

Delete

Change tier

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Manage ACL

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: data

Name	Modified	Access tier	Archive status
<input type="checkbox"/> output			

Create a Resource - Azure Data Factory:

Please consult the attached screenshot for guidance on setting up Azure Data Factory.

Home > Data factories >

Create Data Factory

One-click to create data factory with sample pipeline and datasets. [Try it](#)

Project details

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

Subscription *

Pay-As-You-Go

Resource group *

trendytech-rg

Create new

Instance details

Name *

trendytechdf1

Region *

Central India

Version *

V2

Previous

Next

Review + create

Home > Data factories >

Create Data Factory

listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

Basics

Subscription	Pay-As-You-Go
Resource group	trendytech-rg
Name	trendytechdf1
Region	Central India
Version	V2

Networking

Connect via	Public endpoint
-------------	-----------------

Previous

Next

Create

Note: Again pin this resource to the same dashboard that you have created.

Home >

Microsoft.DataFactory-20240110194149 | Overview

Deployment

Search

Overview

Inputs

Outputs

Template

« Delete Cancel Redeploy Download Refresh

✓ Your deployment is complete

Deployment name : Microsoft.DataFactory-20240110194149 Start time : 1/10/2024, 7:47:58 PM

Subscription : Pay-As-You-Go Correlation ID : 8ddd2191-bfe3-4c87-bae0-143cc534f5...

Resource group : trendytech-rg

> Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Pin to dashboard

Existing Create new

Type

☒ Private

☐ Shared

Dashboard

Customer-360

Pin Cancel

Create a Linked Service for Source (choose HTTP connector):

orders.csv can be downloaded from -

https://files.cdn.thinkific.com/file_uploads/349536/attachments/c28/5fb/25b/orders.csv

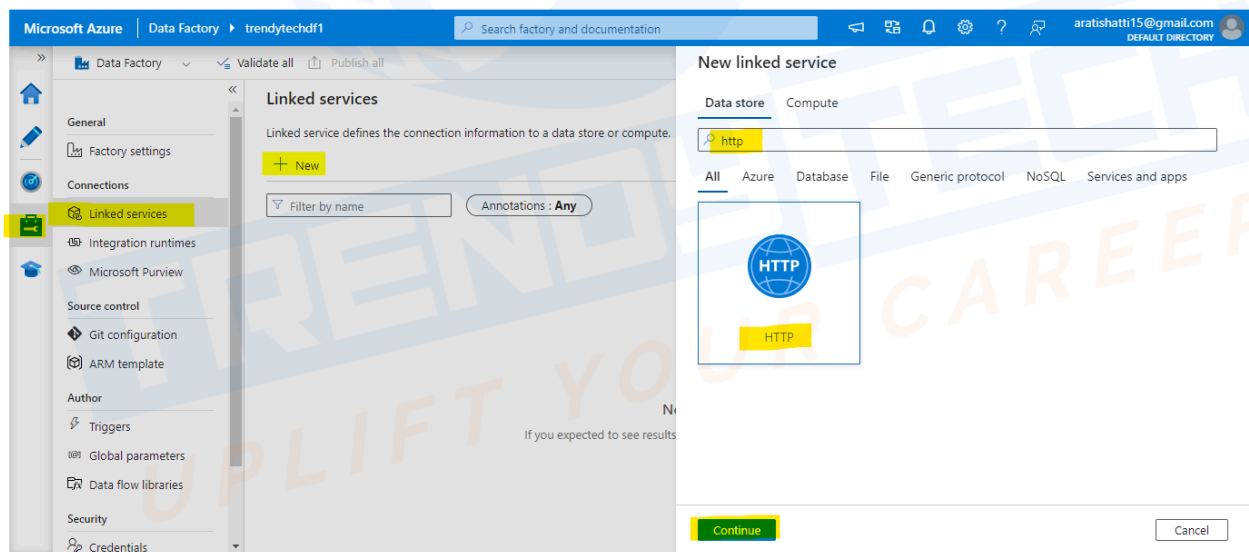
BaseURL - <https://files.cdn.thinkific.com>

Relative URL - file_uploads/349536/attachments/c28/5fb/25b/orders.csv


Note: Launch the Azure Data Factory to create the Linked service and datasets and pipeline

Check below screenshot for **creating linked service** for our source i.e Azure SQL Database


Go to Monitor => Linked Service => New => search Azure SQL and select Azure SQL Database => Continue




New linked service


 HTTP [Learn more](#)

Description


Connect via integration runtime * 


Base URL *


 Information will be sent to the URL specified. Please ensure you trust the URL entered.

Server Certificate Validation 

☒ Enable ☐ Disable

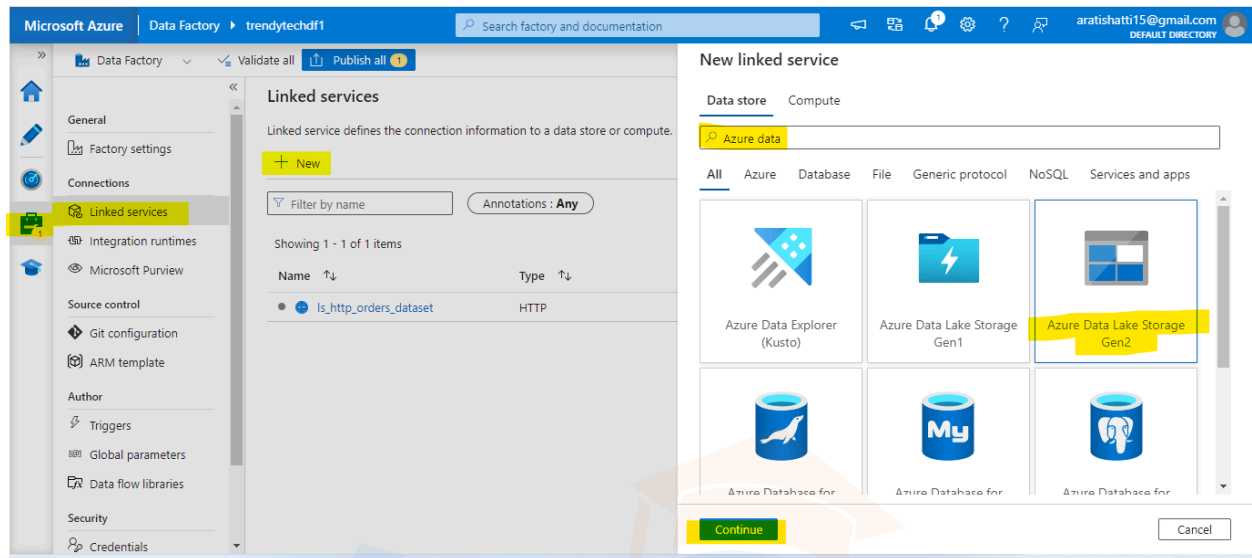
Authentication type * 

 Connection successful

 Test connection

Create a Linked Service for Sink (choose Data Lake Gen 2 connector) :

Check below screenshot for creating linked service for our sink i.e ADLS gen storage



New linked service

Azure Data Lake Storage Gen2 [Learn more](#)

Name *

ls_adlsgen2_trendytechsa

Description

Connect via integration runtime * ^①

AutoResolveIntegrationRuntime

Authentication type

Account key


Account selection method ^①

☒ From Azure subscription ☐ Enter manually

Azure subscription ^①

Select all

New linked service

 Azure Data Lake Storage Gen2 [Learn more](#)

Account key

Account selection method ^①

☒ From Azure subscription ☐ Enter manually

Azure subscription ^①

Select all

Storage account name *

trendytechsa

Test connection ^①

☒ To linked service ☐ To file path

Annotations

+ New

> Parameters

> Advanced ^①

CreateBack

✓ Connection successful

Test connectionCancel

Note: After creating new linked services in Azure Data Factory, be sure to publish these changes to make them active and available for use in your data workflows.

Validate all Publish all Preview experience Off

Linked services

Linked service defines the connection information to a data store or compute. [Learn more](#)

New

Filter by name Annotations : Any

Showing 1 - 2 of 2 items

Name	Type	Related	Annotations
Is_adlsgen2_trendytechsa	Azure Data Lake Storage Gen2	0	
Is_http_orders_dataset	HTTP	0	

Create Dataset for Source (choose CSV format and also provide the relative URL as it is for the HTTP Linked Service)

To create dataset click on Author => Datasets => New datasets

Microsoft Azure | Data Factory > trendytechdf1 Search

>> Data Factory Validate all Publish all

Factory Resources

Filter resources by name

- Pipelines 0
- Change Data Capture (preview) 0
- Datasets** 0
- Data flows
- Power Query

New dataset


New folder

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


HTTP

Continue Cancel

BaseURL - <https://files.cdn.thinkific.com>

Relative URL - file_uploads/349536/attachments/c28/5fb/25b/orders.csv

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Set properties

Name
ds_orders_http

Linked service *
ls_http_orders_dataset

Relative URL
file_uploads/349536/attachments/c28/5fb/25b/orders.csv

First row as header ☒

Import schema
☒ From connection/store
 ☐ From sample file
 ☐ None

Request method
GET

Additional headers

OK Back Cancel

Create Dataset for Sink :

Microsoft Azure | Data Factory | trendytechd1

Search factory and documentation

arashatti15@gmail.com

Factory Resources

- Pipelines 0
- Change Data Capture (preview) 0
- Datasets 1**
 - ds_orders_http
- Data flows 0
- Power Query 0

ds_orders_http

DelimitedText
ds_orders_http

Connection Schema Parameters

Linked service *
ls_http_orders_data

Test connection Edit + New Learn more

Connection successful

Base URL
https://files.cdn.thinkific

Relative URL
file_uploads/349536/attachments/c28/5f...

Compression type
Select...

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 for MongoDB

Azure Cosmos DB for NoSQL

Azure Data Explorer (Kusto)









Azure Data Lake Storage Gen1

Azure Data Lake Storage Gen2

Continue Cancel

Select format

Choose the format type of your data

 Avro	 Binary	 DelimitedText
 Excel	 JSON	 ORC
		

Continue Back Cancel

Set properties

Name
ds_orders_dataset_adls

Linked service *
ls_adlsgen2_trendytechsa

File path
data / output / File name

First row as header ☒

Import schema
☒ From connection/store ☐ From sample file ☐ None

OK Back Cancel

Note: Here we will use separator as “Tab”

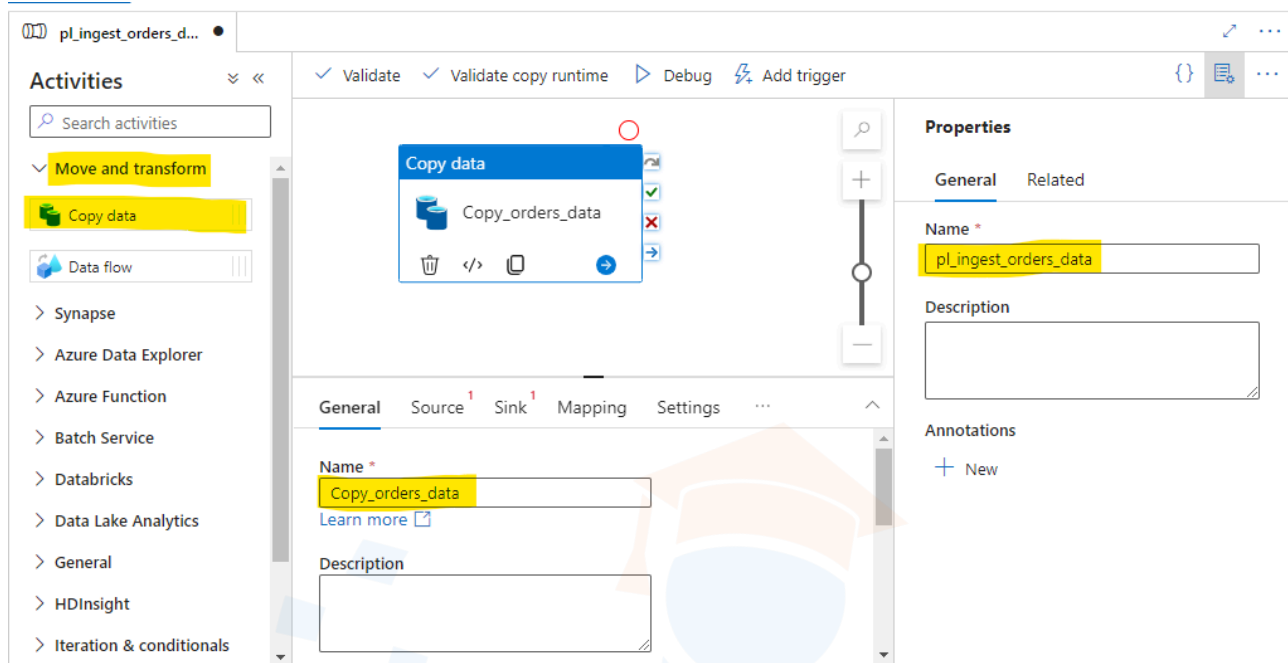
The screenshot shows the configuration for a 'DelimitedText' dataset named 'ds_orders_dataset_adls'. The 'Column delimiter' is highlighted in yellow and set to 'Tab (\t)'. Other settings include 'Linked service' as 'ls_adlsgen2_trendytechsa', 'File path' as 'data / output', 'Compression type' as 'Select...', 'Row delimiter' as 'Default (\r,\n, or \r\n)', 'Encoding' as 'Default(UTF-8)', and 'Quote character' as 'Double quote (")'.

Property	Value
Linked service *	ls_adlsgen2_trendytechsa
File path *	data / output / File name
Compression type	Select...
Column delimiter ①	Tab (\t)
Row delimiter ①	Default (\r,\n, or \r\n)
Encoding ①	Default(UTF-8)
Quote character ①	Double quote (")

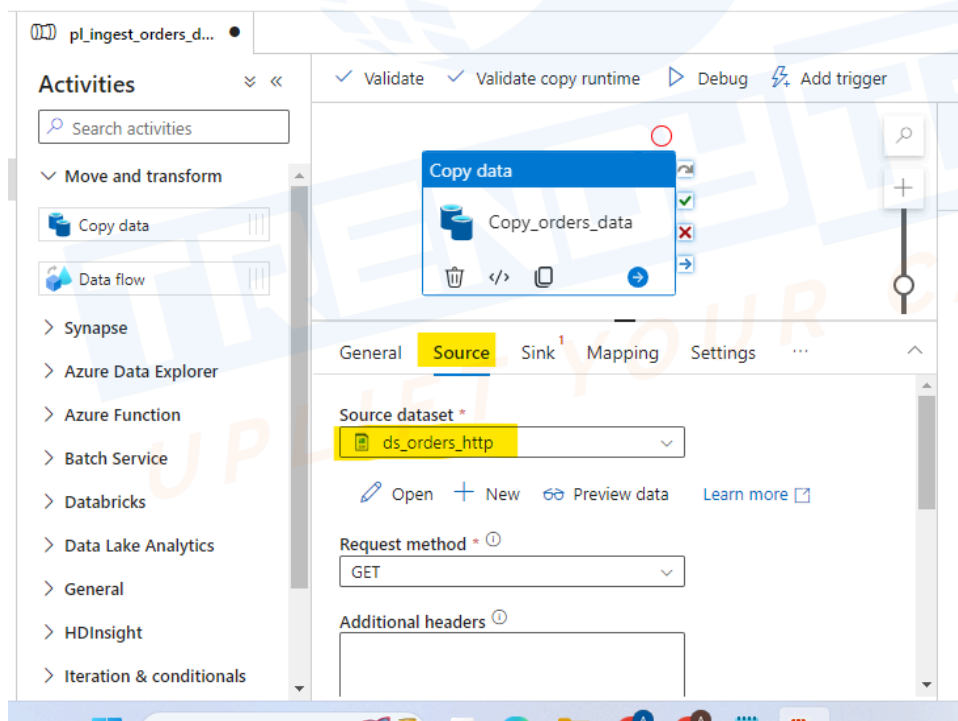
Note: After creating new datasets in Azure Data Factory, be sure to publish these changes to make them active and available for use in your data workflows.

Create a Data Pipeline and Create a Copy activity within the Pipeline :

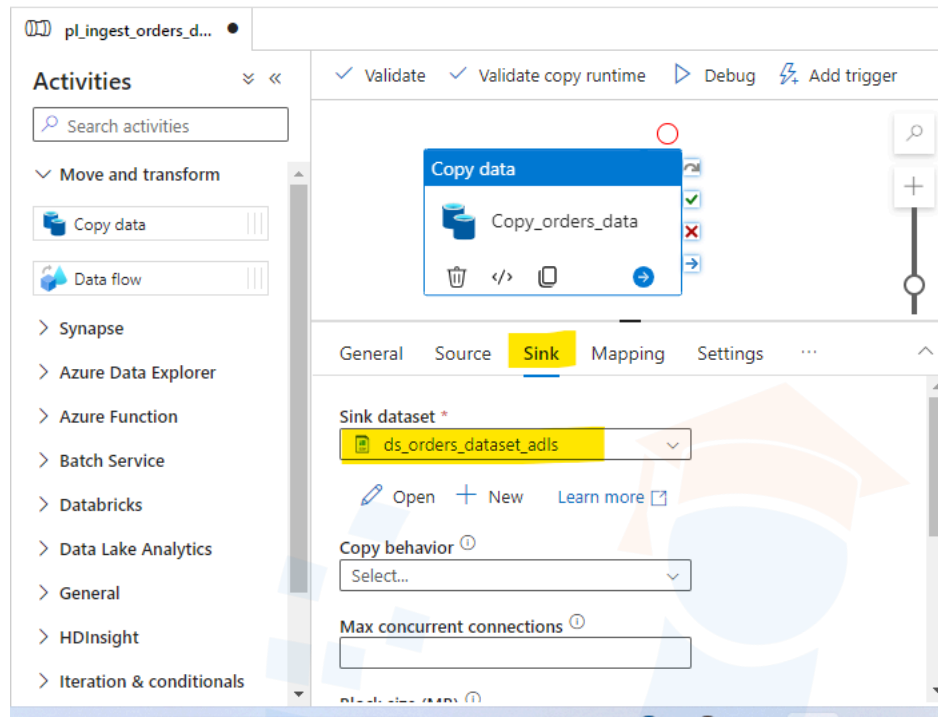
Now click on “**Move and transform**” and drag copy activity in the pipeline as shown below. Rename the pipeline copy data activity as shown in screenshot.



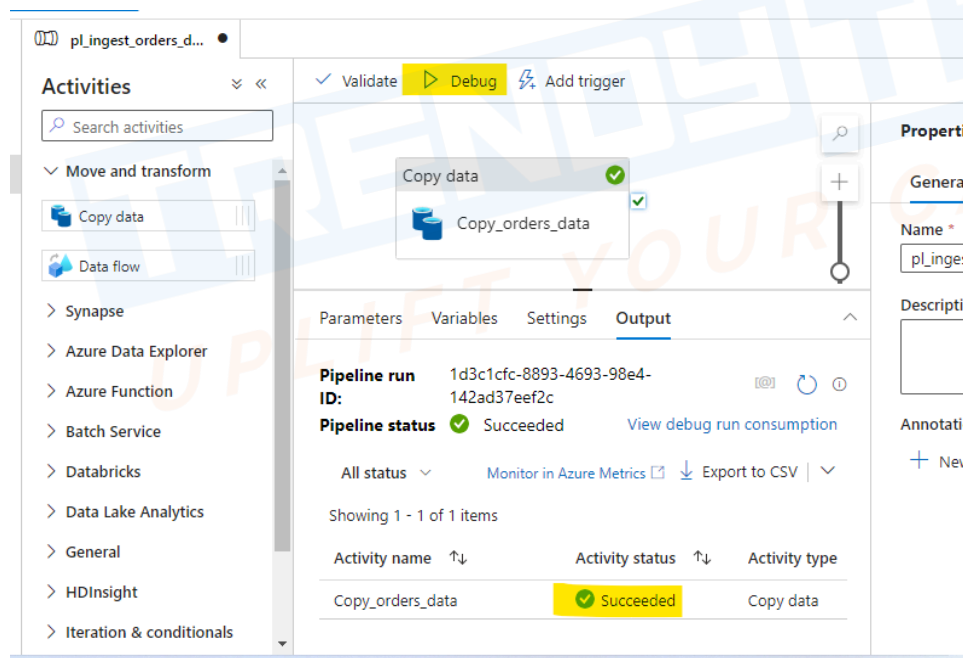
Now in source select dataset for course table in sql db here “ds_orders_http”



Now in sink select dataset for sink here “ds_orders_dataset_adls”



Debug and validate the pipeline, and upon successful validation, proceed to publish the pipeline:



And if this is successful then publish the pipeline.

Note: After creating new pipelines in Azure Data Factory, be sure to publish these changes to make them active and available for use in your data workflows.

The screenshot shows the Azure Data Explorer interface. The breadcrumb navigation at the top indicates the path: Home > trendytechsa | Containers >. The left sidebar shows the 'data' container selected. The main area displays the 'Overview' tab for the container. It shows the authentication method as 'Access key (Switch to Microsoft Entra user account)' and the location as 'data / output / file_uploads / 349536 / attachments / c28 / 5fb / 25b'. A search bar is present with the text 'Search blobs by prefix (case-sensitive)'. Below the search bar, a table lists the blobs in the container:

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
[-]						
orders.txt	1/10/2024, 9:09:05 PM	Hot (Inferred)		Block blob	3.45 MiB	Available

But here the file is not directly stored in output folder to avoid this we will edit the dataset “ds_orders_dataset_adls” and we will mention the file name as shown in below screenshot.

The screenshot shows the configuration page for the dataset 'ds_orders_dataset_adls'. The 'Connection' tab is selected. The configuration includes:

- Linked service:** ls_adlsgen2_trendytechsa
- File path:** data / output / ordersoutput.csv
- Compression type:** Select...
- Column delimiter:** Tab (\t)

Note: Be sure to publish these changes to make them active and available for use in your data workflows.

Now again debug the pipeline and you will see the data is directly stored in “ordersoutput.csv” file refer attached screenshot.

**data**

Container

<<



Upload



Add Directory



Refresh



Rename



Delete



Change tier



Acquire



Overview



Diagnose and solve problems



Access Control (IAM)

Settings



Shared access tokens



Manage ACL



Access policy



Properties

Authentication method: Access key ([Switch to Microsoft Entra user account](#))**Location:** data / output

	Name	Modified	Access tier	Archive status	Blob
<input type="checkbox"/>	📁 [.]				
<input type="checkbox"/>	📁 file_uploads				
<input checked="" type="checkbox"/>	📄 ordersoutput.csv	1/10/2024, 9:19:39 PM	Hot (Inferred)		Block



>>

Data Factory



Validate all



Publish all



Factory Resources



Pipelines

1

📄 pl_ingest_orders_data

Change Data Capture (preview)

0

Datasets

2

📄 ds_orders_dataset_adls

📄 ds_orders_http

Data flows

0

Power Query



New data flow

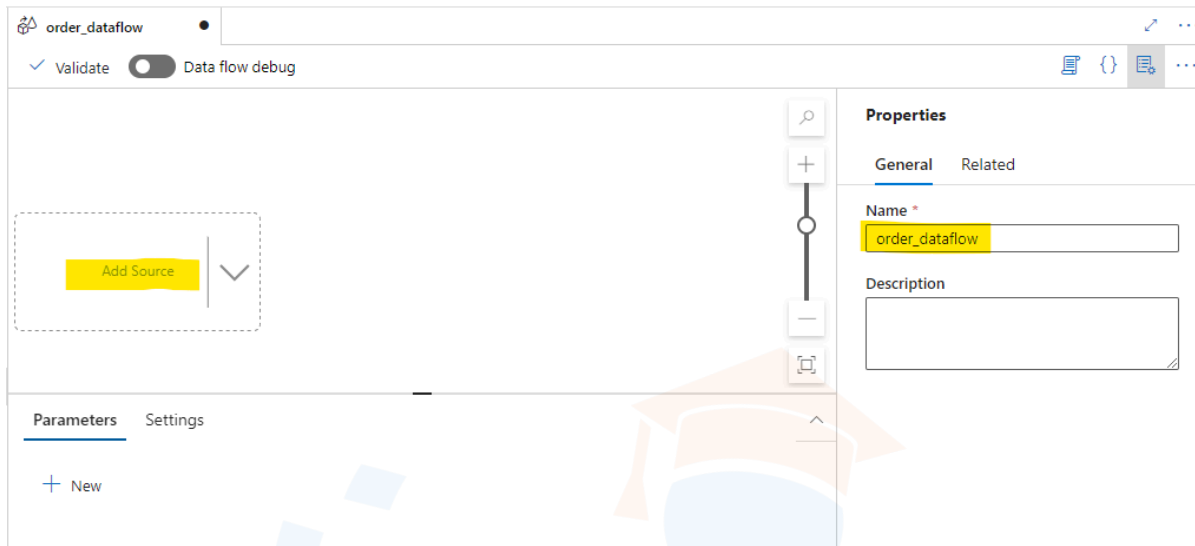


New flowlet

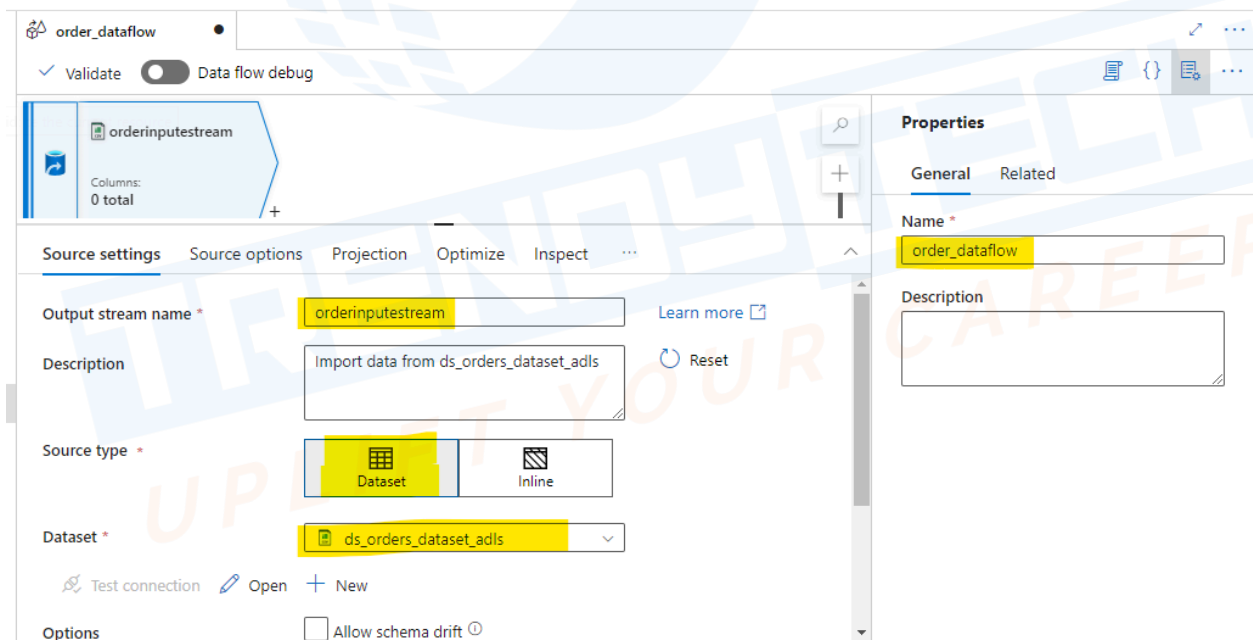


New folder

Create a data flow and click on the option “Add Source”



Now the **source** for this data flow will be our “ordersoutput.csv”dataset so we will mention the database for it i.e “ds_orders_dataset_adls”



Note : Data Preview is possible if a spark cluster is turned on. For development purposes, Debug mode can be used to preview the data after small transformation changes are made.

Refer below screenshot.

order_dataflow

✓ Validate **Data flow debug** Debug Settings

orderinginputstream
Columns:
0 total

Source settings **Source options** Projection Optimize Inspect ...

List of files ☐

Multiline rows ☐

Maximum columns

Change data capture ☐

Column to store file name

After completion * ☒ No action ☐ Delete source files ☐ Move

Filter by last modified Start time (UTC) End time (UTC)

Note: If you are not able to see the projection, you have to import the schema for the dataset “ds_orders_dataset_adls” .

order_dataflow ds_orders_dataset_a...

DelimitedText
ds_orders_dataset_adls

Connection **Schema** Parameters

Import schema Clear

Column name Type

Now you can see the projections as shown below.

The screenshot shows the 'Projection' tab in the Databricks Dataflow interface. The top bar includes 'order_dataflow' and 'ds_orders_dataset_adls'. Below the bar, there are tabs for 'Source settings', 'Source options', 'Projection' (highlighted), 'Optimize', and 'Inspect'. The 'Projection' tab contains a table with columns: 'Column name', 'Type', and 'Format'. The table lists four columns: 'order_id', 'order_date', 'order_customer_id', and 'order_status', all with type 'string' and format 'Specify format'. The 'Format' column has a 'Specify format' button for each row. The 'Source settings' tab is also visible, showing 'Define default format', 'Detect data type', 'Import projection', and 'Reset schema'.

Column name	Type	Format
order_id	abc string	Specify format
order_date	abc string	Specify format
order_customer_id	abc string	Specify format
order_status	abc string	Specify format

Also select "Allow Schema Drift"

The screenshot shows the 'Source settings' tab in the Databricks Dataflow interface. The top bar includes 'order_dataflow' and 'ds_orders_dataset_adls'. Below the bar, there are tabs for 'Source settings' (highlighted), 'Source options', 'Projection', 'Optimize', and 'Inspect'. The 'Source settings' tab contains a 'Dataset' dropdown menu with 'ds_orders_dataset_adls' selected. Below the dropdown, there is a 'Connection successful' status and a 'Test connection' button. The 'Options' section includes a checked 'Allow schema drift' checkbox, an unchecked 'Infer drifted column types' checkbox, and an unchecked 'Validate schema' checkbox. The 'Skip line count' field is empty. The 'Sampling' section has 'Enable' and 'Disable' radio buttons, with 'Disable' selected.

Dataset * **ds_orders_dataset_adls**

✓ Connection successful

Test connection Open + New

Options

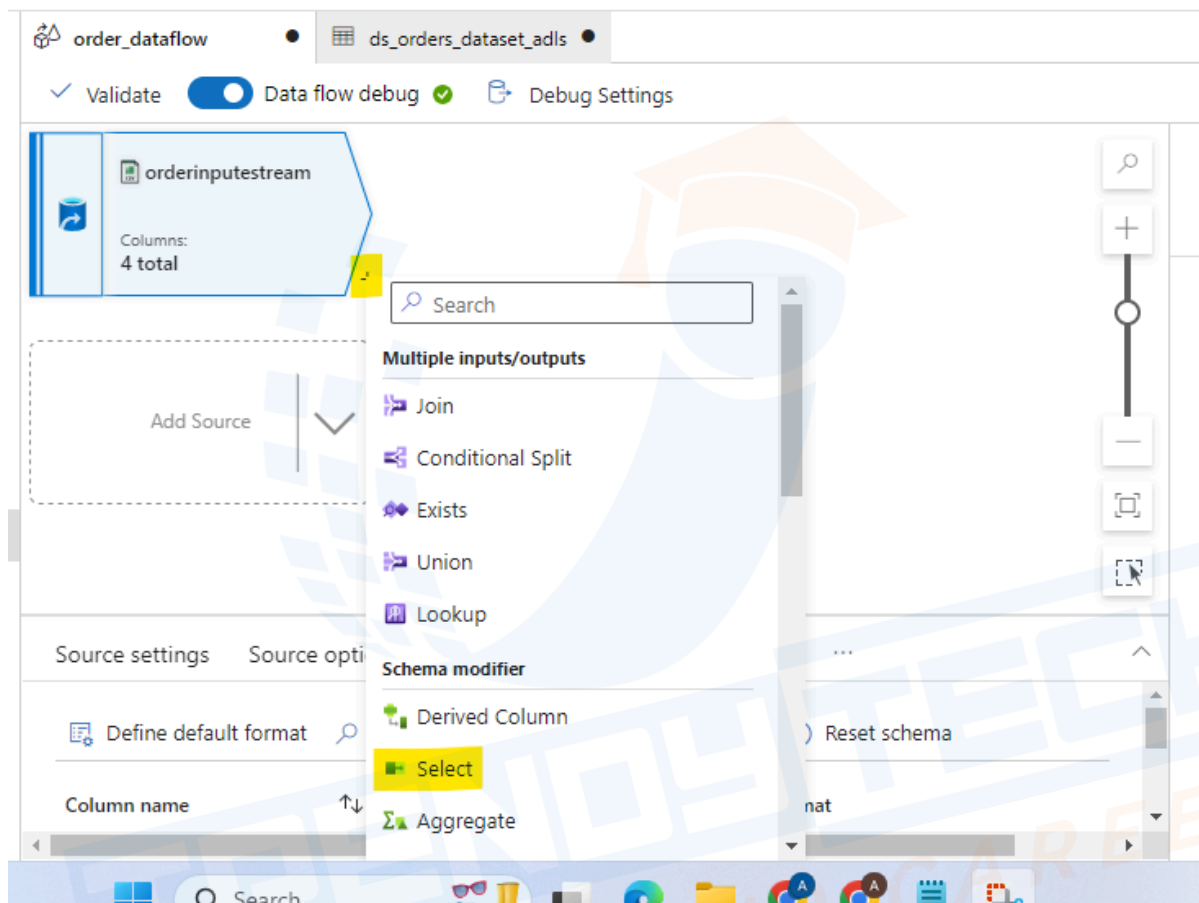
- ☒ Allow schema drift ⓘ
- ☐ Infer drifted column types ⓘ
- ☐ Validate schema ⓘ

Skip line count

Sampling * ⓘ ☐ Enable ☒ Disable

Perform some basic transformations on this

To Remove `order_date` column and Rename `order_customer_id` to `customer_id` click on “+” we will use “select transformation” refer below screenshot



order_dataflow x ds_orders_dataset_adls

✓ Validate Data flow debug ✓ Debug Settings

orderinputstream Import data from ds_orders_dataset_adls

selectorders Columns: 4 total

Select settings Optimize Inspect Data preview ●

Output stream name * selectorders [Learn more](#)

Description Renaming orderinputstream to selectorders with columns 'order_id, order_date, customer_id, order_status' [Reset](#)

Incoming stream * orderinputstream

Options

- ☒ Skip duplicate input columns ⓘ
- ☒ Skip duplicate output columns ⓘ

Input columns *

Now click on **delete** option to remove **order_date** column and **rename order_customer_id to customer_id** check highlighted options.

order_dataflow x ds_orders_dataset_adls

✓ Validate Data flow debug ✓ Debug Settings

orderinputstream Import data from ds_orders_dataset_adls

selectorders Columns: 4 total

Select settings Optimize Inspect Data preview ●

☒ Skip duplicate output columns ⓘ

Columns * [Auto mapping](#) ⓘ [Reset](#) [Add mapping](#) [Delete](#) 4 mappings: All inputs mapped

orderinputstream's column		Name as		
abc order_id	→	order_id	+	🗑️
abc order_date	→	order_date	+	🗑️
abc order_customer_id	→	customer_id	+	🗑️
abc order_status	→	order_status	+	🗑️

After this click on “Data Preview” and refresh it to see all the changes.

order_id	customer_id	order_status
1	11599	CLOSED
2	256	PENDING PAYMENT
3	12111	COMPLETE
4	8827	CLOSED
5	11318	COMPLETE

Now click on “+” we will use “**aggregate transformation**” refer below screenshot

Properties

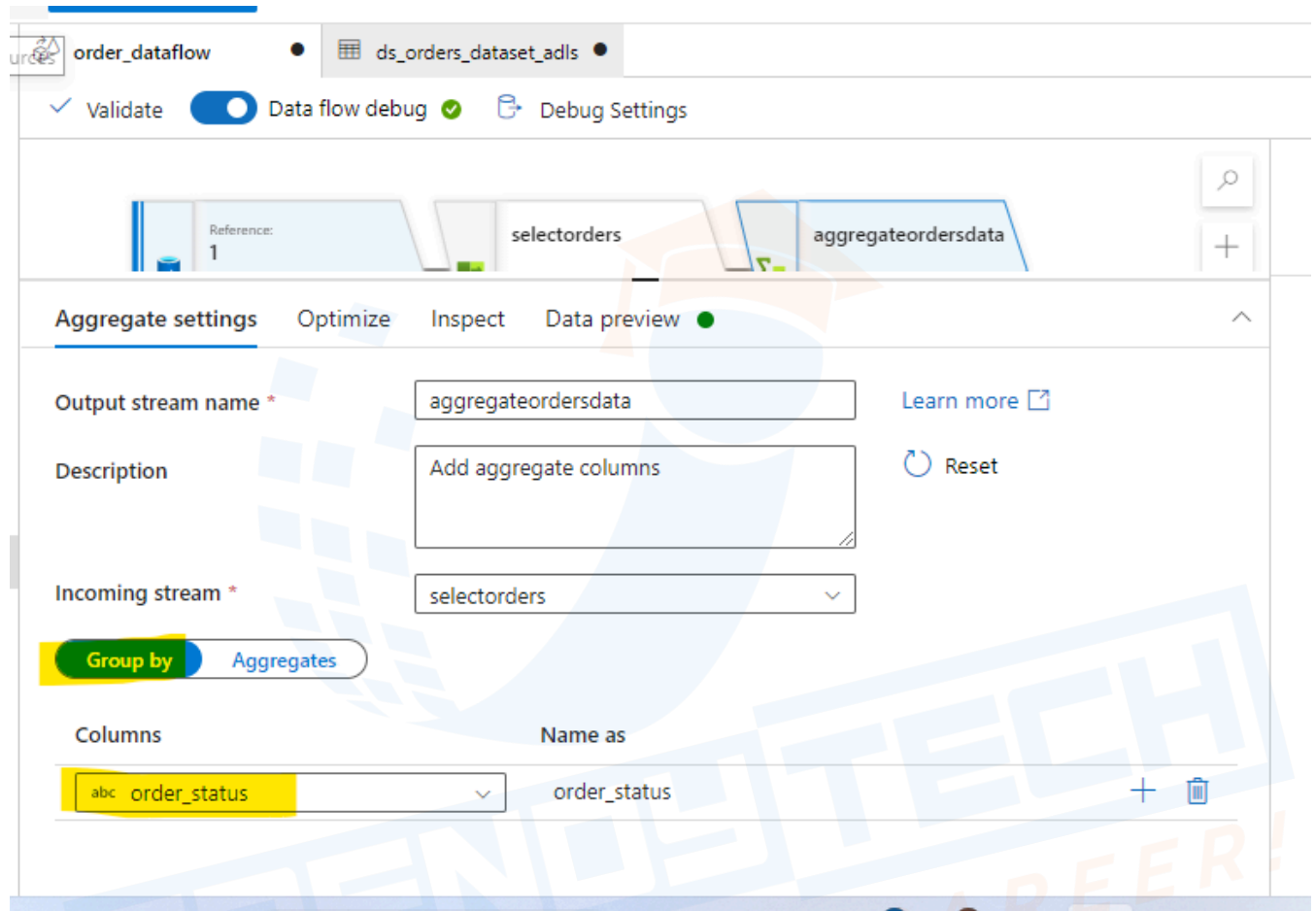
General Related

Name *

order_dataflow

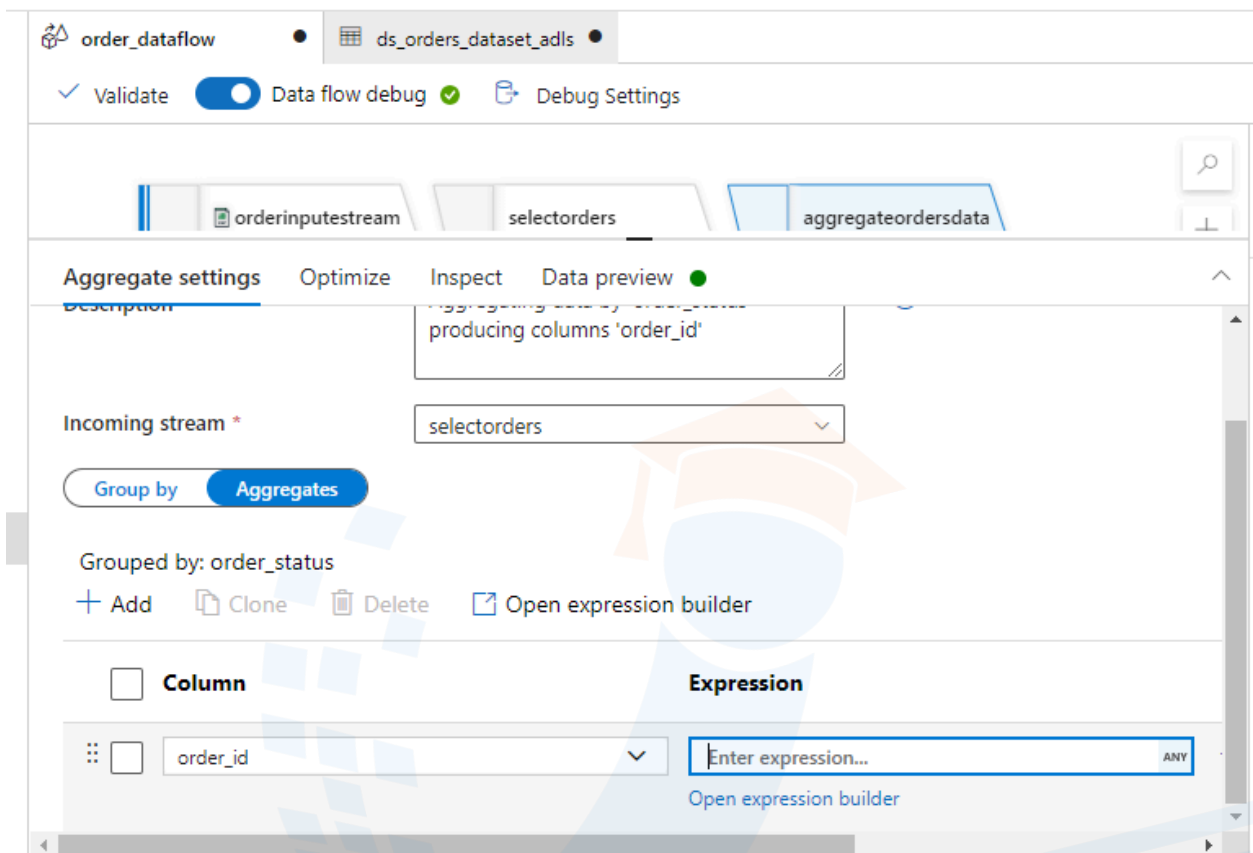
Description

Now select the **group by** the “**order_status**” column as shown below.

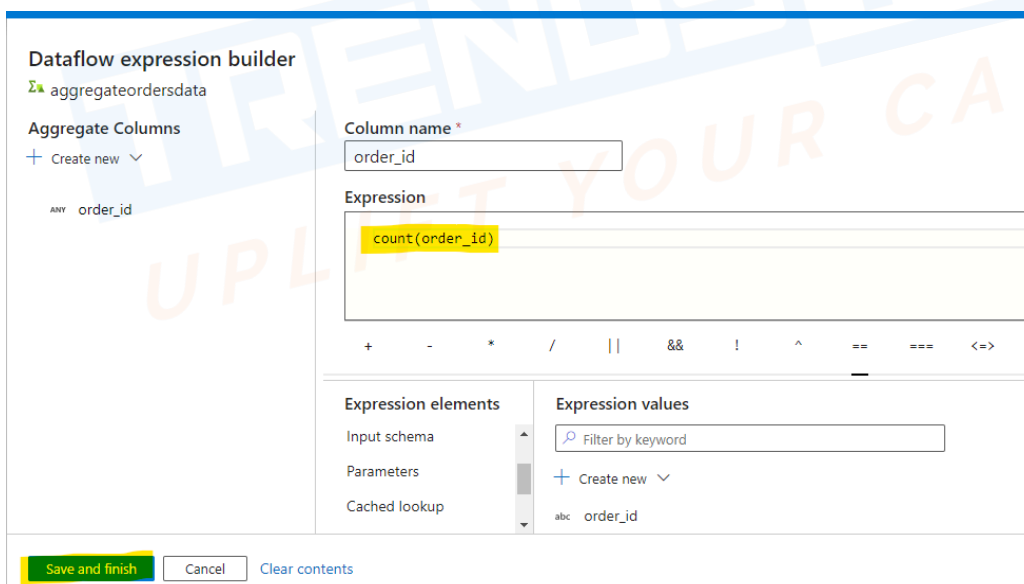


To calculate the count of each order status :

Click on “**Aggregates**” mention **order_id** column and click on “**Open expression builder**”



Now mention **count(order_id)** in “Expression” refer attached screenshot and click “**save and finish**”



order_dataflow • ds_orders_dataset_adls •

✓ Validate Data flow debug ✓ Debug Settings

orderinginputstream selectorders aggregateordersdata

Aggregate settings Optimize Inspect Data preview ●

Description Aggregating data by 'order_status' producing columns 'order_id' Reset

Incoming stream * selectorders

Group by Aggregates

Grouped by: order_status

+ Add Clone Delete Open expression builder

Column	Expression
order_id	count(order_id) 121

After this click on “Data Preview” and refresh it to see all the changes.

order_dataflow • ds_orders_dataset_adls •

✓ Validate Data flow debug ✓ Debug Settings

orderinginputstream selectorders aggregateordersdata

Aggregate settings Optimize Inspect Data preview ●

Number of rows INSERT 9 UPDATE 0 DELETE 0 UPSERT 0 LOOKUP 0 ERROR 0

Refresh Typecast Modify Map drifted Statistics Remove Export to CS

order_status	order_id
CLOSED	105
PENDING PAYMENT	231
COMPLETE	332
PROCESSING	124
PAYMENT REVIEW	15
PENDING	109

We have to Add the sink but before proceeding ahead we will create the “result” directory in the “data” container in ADLS gen2 storage “trendytechsa” that we have created.

Home > trendytechsa | Containers >

data

Container

Search

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Manage ACL

Access policy

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: data

Search blobs by prefix (case-sensitive)

Name	Modified	Access tier
<input type="checkbox"/> output		
<input type="checkbox"/> result		

Also create dataset “ds_orders_json_output” for storing “orders.json” data in this “result” directory

Select format

Avro	Binary	DelimitedText
Excel	JSON	ORC
Parquet	XML	

Continue Back Cancel

Set properties

Name
ds_orders_json_output

Linked service *
ls_adlsgen2_trendytechsa

File path
data / result / File name

Import schema
☒ From connection/store
 ☐ From sample file
 ☐ None

OK Back Cancel

For “**orders_dataflow**” click on “**Optimize**” option and select “**Single partitioning**” to store the complete output in a single file.

order_dataflow

Validate Data flow debug Debug Settings

inputstream selectorders aggregateordersdata sinkordersdata

Sink Settings Errors Mapping **Optimize** Inspect Data preview

This sink currently has Single partition set in Optimize. This will make your data flow execution longer. The recommended setting is Use current partitioning.

Partition option ☐ Use current partitioning ☒ Single partition ☐ Set partitioning

Properties

General Related

Name *
order_dataflow

Description

Now click on “+” we will add “**sink**” to store the aggregated data refer below screenshot

order_dataflow • ds_orders_dataset_adls •

✓ Validate ☒ Data flow debug ☒ Debug Settings

orderinputstream Import data from ds_orders_dataset_adls

selectorders Renaming orderinputstream to selectorders with columns 'order_id, customer_id'

aggregateordersdata Columns: 2 total

Aggregate settings Optimize Inspect **Data preview** ●

Number of rows **INSERT** 9 **UPDATE** 0 **DELETE** 0 **UPSERT** 0 **LOOKUP**

Refresh | Typecast | Modify | Map drifted | Statistics | Remove

↑↓	order_status	abc	↑↓	order_id	121	↑↓
+	CLOSED			105		
+	PENDING PAYMENT			231		
+	COMPLETE			332		

Parse
Stringify
Row modifier
Filter
Sort
Alter Row
Assert
Flowlets
Flowlet
Destination
Sink

Properties
General Related

Add the “**ds_orders_json_output**” in the dataset and test the connection and you can preview the data.

order_dataflow • ds_orders_dataset_adls • ds_orders_json_output •

✓ Validate ☒ Data flow debug ✓ Debug Settings

erinputstream + selectorders + aggregateordersdata + sinkordersdata

data from ds_dataset_adls

Renaming orderinputstream to selectorders with columns 'order_id, customer_id'

Aggregating data by 'order_status' producing columns 'order_id'

Columns: 2 total

Sink Settings Errors Mapping Optimize Inspect Data preview ●

Description Export data to ds_orders_json_output Reset

Incoming stream * aggregateordersdata

Sink type * Dataset Inline Cache

Dataset * ds_orders_json_output

✓ Connection successful

Test connection Open + New

order_dataflow • ds_orders_dataset_adls • ds_orders_json_output •

✓ Validate ☒ Data flow debug ✓ Debug Settings

erinputstream + selectorders + aggregateordersdata + sinkordersdata

data from ds_dataset_adls

Renaming orderinputstream to selectorders with columns 'order_id, customer_id'

Aggregating data by 'order_status' producing columns 'order_id'

Columns: 2 total

Sink Settings Errors Mapping Optimize Inspect **Data preview** ●

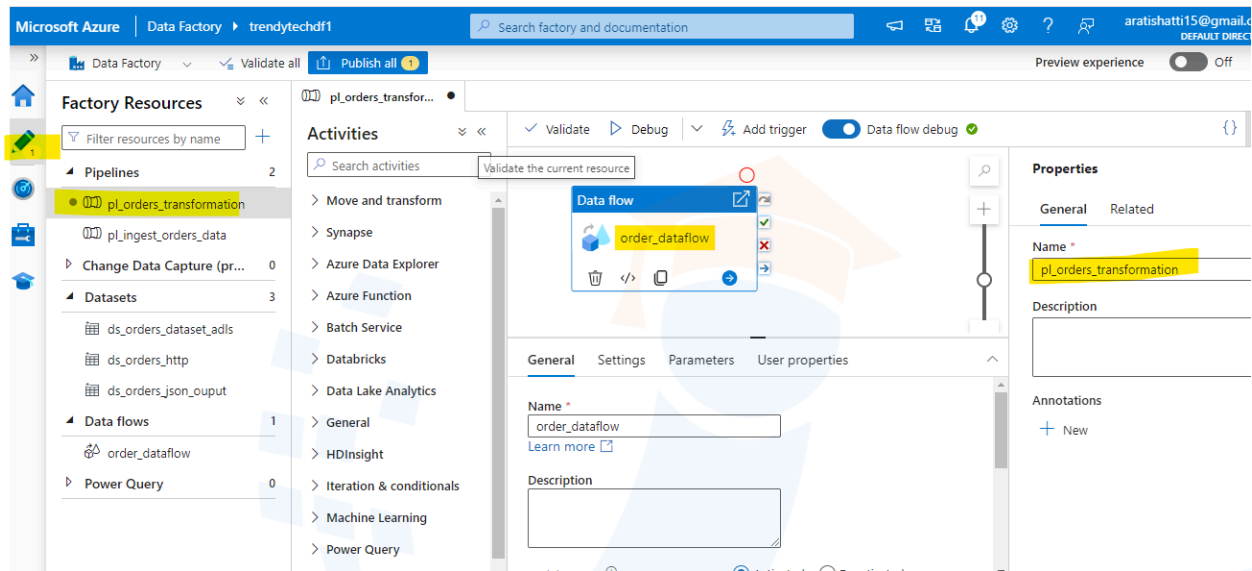
Number of rows + INSERT N/A * UPDATE N/A x DELETE N/A * UPSERT N/A 🔍 LOOKUP N/A ❌ ERROR N/A TOT

Refresh | Statistics | Export to CSV |

order_status	order_id
CLOSED	105
PENDING PAYMENT	231
COMPLETE	332
PROCESSING	124

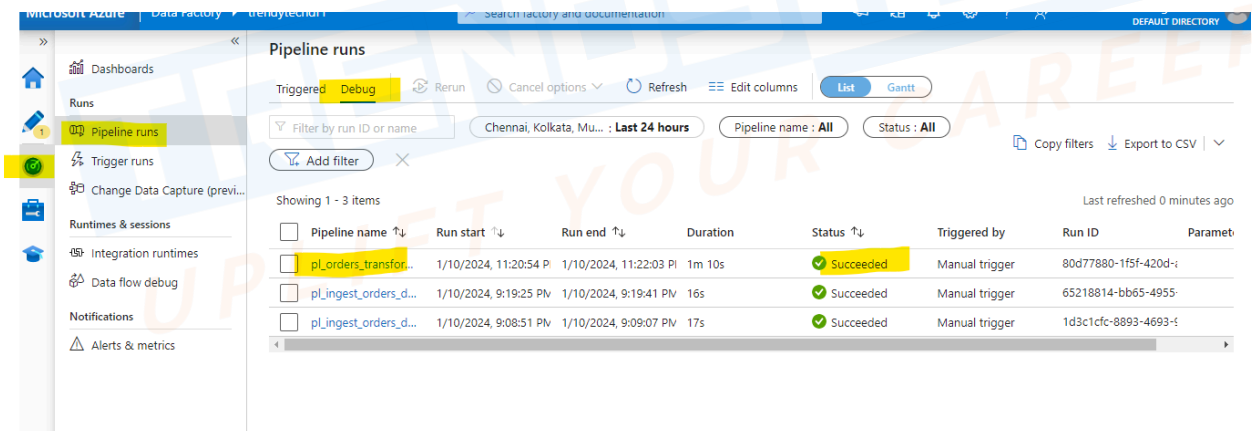
Note: Before proceeding ahead. be sure to publish these changes to make them active and available for use in your data workflows.

We will create the new pipeline “**pl_orders_transformation**” and will **drag** this dataflow in the pipeline “**pl_orders_transformation**”.



Debug the pipeline and validate it.

You can see this running pipeline in the monitor tab (Debug) and publish it.



Note: After creating pipelines in Azure Data Factory, be sure to publish these changes to make them active and available for use in your data workflows.

