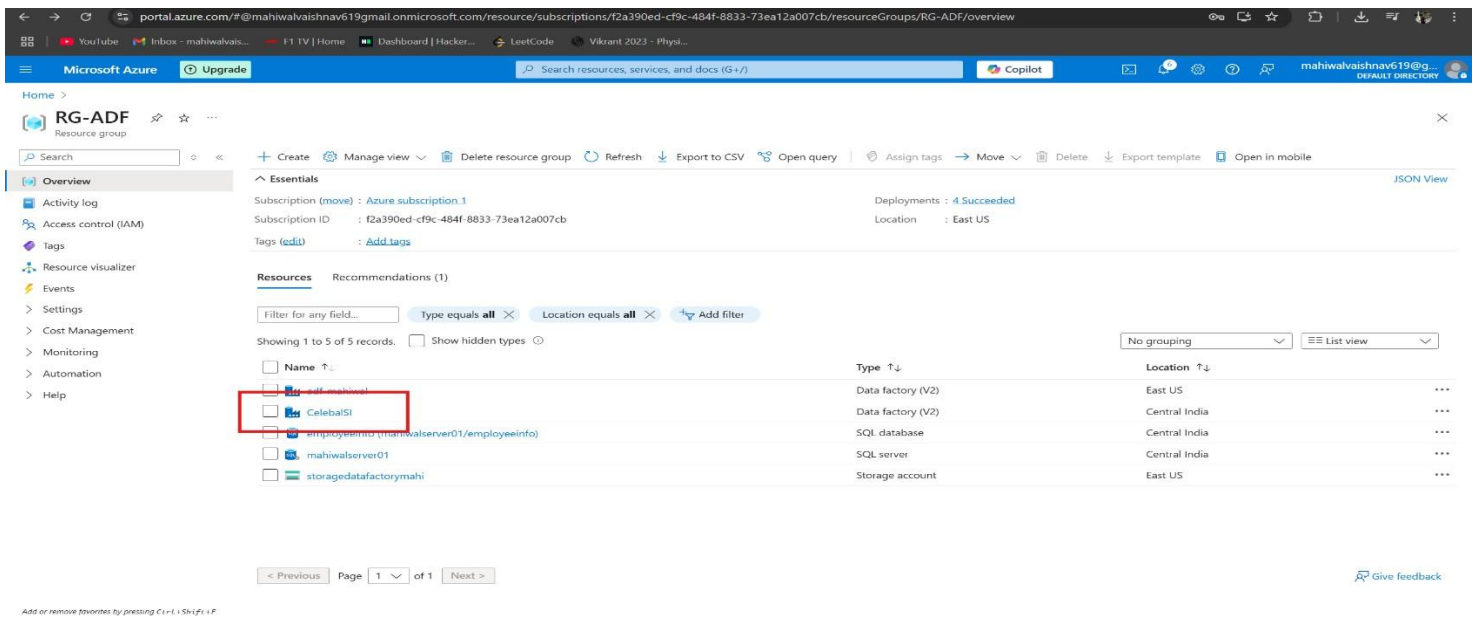
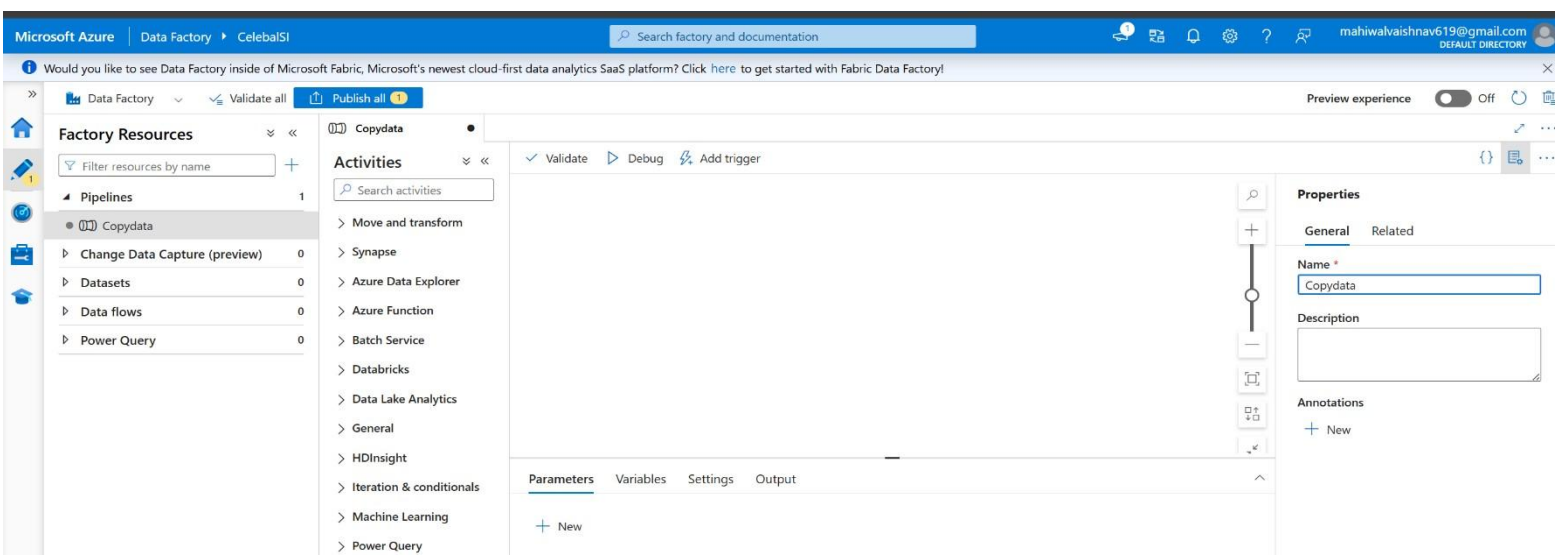


My azure subscription was expired and so I can use my friend id not mine. Please cooperate with this . I hope you understand my problem.

Firstly we created a new data factory



- We created a azure database query for the data to be used.



COPY DATA FROM DATABASE TO DIFFERENT FILE TYPES

Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > SQL databases > employeeinfo (mahiwalserver01/employeeinfo)

SQL databases | employeeinfo (mahiwalserver01/employeeinfo) | Query editor (preview)

Search | Login | New Query | Open query | Feedback | Getting started

employeeinfo (mahiwalvaishnav619@g...)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables: dbo.Employees

Views:

Stored Procedures:

EmployeeID	FirstName	LastName	Department	Salary
1	John	Doe	Engineering	70000
2	Jane	Smith	Marketing	65000
3	Alex	Johnson	Finance	60000
4	Emily	Davis	HR	55000

Showing 1 - 1 of 1. Display count: auto

Add or remove favorites by pressing Ctrl+Shift+F

Ready

- Now in our data factory we create a new pipeline

We set the source of our first copy activity(CopytoCSV) and a new linked service for it.

Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > storagedatafactorymah | Containers

Set properties

Name: AzureSqlTable1

Linked service *: AzureSql_LS

Table name: dbo.Employees

Import schema: ☒ From connection/store ☐ None

Advanced

Source dataset: Select...

General | Source | Sink | Mapping | Settings | User properties

OK | Back | Cancel

- Create a new container in our storage account (csiassignments)

Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > storagedatafactorymah | Containers

New container

Name *: csiassignments

Anonymous access level: Private (no anonymous access)

The access level is set to private because anonymous access is disabled on this storage account.

Advanced

Create

Give feedback

-
- Now Sink will be our new container in our storageaccount.

Search factory and documentation

Validate

Validate copy runtime

Debug

Add trigger

Copy data

CopytoCSV

General

Source

Sink¹

Mapping

Settings

User properties

Sink dataset *

Select...

New linked service

Azure Blob Storage

Name *

BlobstorageCSI

Description

Connect via integration runtime *

AutoResolveIntegrationRuntime

Authentication type

Account key

Connection string

Azure Key Vault

Account selection method

From Azure subscription

Enter manually

Azure subscription

Azure subscription 1 (f2a390ed-cf9c-484f-8833-73ea12a007cb)

Storage account name *

storagedatafactorymahi

Additional connection properties

New

Test connection

To linked service

To file path

Create

Cancel

Connection successful

Test connection

Select the path

Browse

Select a file or folder.

Root folder

csiassignments

destination

source

- Our copy activity is successfully Run(clicked on debug).

Parameters

Variables

Settings

Output

Pipeline run ID

98236e2b-1529-4ed9-b4ba-e6f484986a59

Pipeline status

Succeeded

View debug run consumption

All status

Showing 1 - 1 of 1 items

Activity name	Activity st...	Activit...	Run start	Duration	Integration runtime	User prop...
CopytoCSV	Succeeded	CopytoCSV	7/2/2025, 3:19:27 PM	15s	AutoResolveIntegrationRuntime (Central India)	

- Our data is copied to a new CSV file

Add Directory

Upload

Refresh

Delete

Copy

Paste

Rename

Acquire lease

Break lease

Edit columns

csiassignments

week5

Authentication method: Access key

Search blobs by prefix (case-sensitive)

Only show active objects

Showing all 1 items

Name	Last modified	Access tier	Blob type	Size	Lease state
employee.csv	7/2/2025, 3:19:41 PM	Hot (Inferred)	Block blob	308 B	Available

- Now do similar for AVRO and Parquet file type by creating two more activity in same pipeline.

Validate

Cancel options

Add trigger

Copy data

CopytoCSV

Copy data

CopytoAvro

Copy data

CopytoParquet

Parameters

Variables

Settings

Output

Pipeline run ID

f81e76b5-0542-4a87-ad84-eb7109304c9e

Pipeline status

In progress



Monitor in Azure Metrics

Export to CSV


Showing 1 - 3 of 3 items


Activity name	Activity st...	Activit...	Run start	Duration	Integration runtime	User prop...
CopytoAvro	Queued	Copy data	7/2/2025, 3:28:18 PM	2s		
CopytoParquet	Queued	Copy data	7/2/2025, 3:28:18 PM	2s		
CopytoCSV	Queued	Copy data	7/2/2025, 3:28:18 PM	2s		

- We have successfully copied our data into all 3 file type CSV, Avro, Parquet as we can see below:





csiassignments >  week5

Authentication method: Access key [\(Switch to Microsoft Entra user account\)](#)

 Search blobs by prefix (case-sensitive)

Only show active objects 

Showing all 3 items

<input type="checkbox"/>	Name	Last modified	Access tier	Blob type	Size	Lease state	
<input type="checkbox"/>	 [-]						...
<input type="checkbox"/>	 employee.avro	7/2/2025, 3:28:32 PM	Hot (Inferred)	Block blob	637 B	Available	...
<input type="checkbox"/>	 employee.csv	7/2/2025, 3:28:32 PM	Hot (Inferred)	Block blob	308 B	Available	...
<input type="checkbox"/>	 employee.parquet	7/2/2025, 3:28:33 PM	Hot (Inferred)	Block blob	1.3 KiB	Available	...