

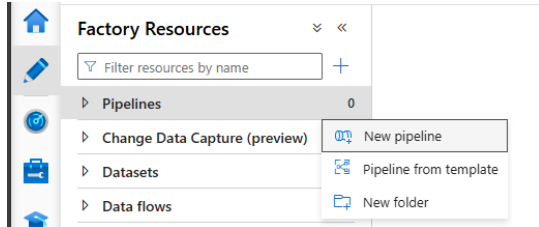
# Ansh Ranjan

## ADF Case Study

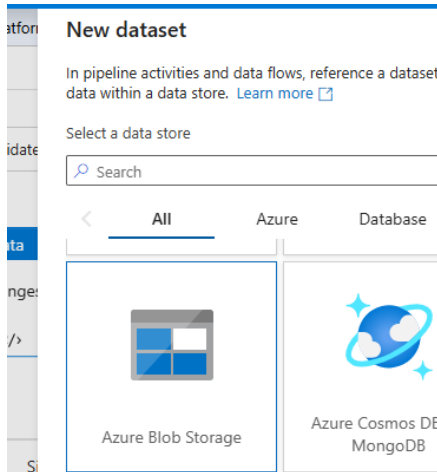
### Exercise 2: Building Pipelines for Covid-19 Data Ingestion

#### TASK 1: Create an ADF pipeline to copy data

1. Open your Data Factory and go to Author tab > Pipeline



2. Drag a Copy Data activity onto stage
3. Go to source > New Dataset > Azure Blob Storage > Select CSV format



4. Create a new linked service to your storage account. And select your path of csv file

**Set properties**

Name  
DelimitedText1

Linked service \*  
lsstorageacc

File path  
rawdatadump / Directory / covid\_19\_data.csv

First row as header ☒

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

6. In Sink tab, select your destination. Click on New > Azure Gen 2 Data lake

**Set properties**

Name  
DelimitedText2

Linked service \*  
gen2link

File path  
ws-container / Directory / File name

First row as header ☒

## 7. Click on Debug button to test your pipeline

✓ Validate ▶ Debug ⚡ Add trigger

Copy data ✓  
Ingesting Data ✓

Parameters Variables Settings **Output**

**Pipeline run ID:** d9b605a3-db11-418b-b82b-39a3687ee9cd  
**Pipeline status:** ✓ Succeeded [View debug run consumption](#)

## TASK 2: Configure pipeline triggers for scheduled runs.

- Click on Trigger > New/Edit > New > select type as Tumbling Runs > define start dates and recurrence time (going with 24 hrs)

**New trigger**

Name \*  
Scheduled Trigger

Description

Type \*  
Tumbling window

Start Date (UTC) \* ⓘ  
4/11/2025, 11:21:17 AM

Recurrence \* ⓘ  
Every 24 Hour(s)

- Publish your pipelines and Triggers.

## TASK 3: Monitor and troubleshoot the pipeline execution

- Trigger your pipeline once for execution. You can view the execution in Monitor tab

Pipeline runs

Triggered Debug Rerun Cancel options Refresh Edit columns List Gantt

Filter by run ID or name Chennai, Kolkata, Mu... : Last 24 hours Pipeline name : All Status : All

Runs : Latest runs Triggered by : All Add filter

Showing 1 - 1 items Last refreshed 0 minutes ago

Pipeline name ↑↓	Run start ↑↓	Run end ↑↓	Duration	Triggered by	Status ↑↓	Run
Ingestion Pipeline	4/11/2025, 4:56:45 PM	--	3s	Manual trigger	In progress	Origin

## The pipeline has successfully executed

Pipeline runs

Triggered Debug Rerun Cancel options Refresh Edit columns List Gantt

Filter by run ID or name Chennai, Kolkata, Mu... : Last 24 hours Pipeline name : All Status : All

Runs : Latest runs Triggered by : All Add filter

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Pipeline name ↑↓	Run start ↑↓	Run end ↑↓	Duration	Triggered by	Status ↑↓	Run
Ingestion Pipeline	4/11/2025, 4:56:45 PM	4/11/2025, 4:57:04 PM	19s	Manual trigger	Succeeded	Origin

gen2dlansh

Favorites

Recently viewed

Blob containers

ws-container

View all

File shares

Queues



Add Directory



Upload



Refresh



Delete



Copy



Blob containers



ws-container

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



Search blobs by prefix (case-sensitive)

Showing all 1 items



Name

Last modified

Access tier



 covid\_19\_d...

4/11/2025, 4:57:01 PM

Hot (Inferred)