

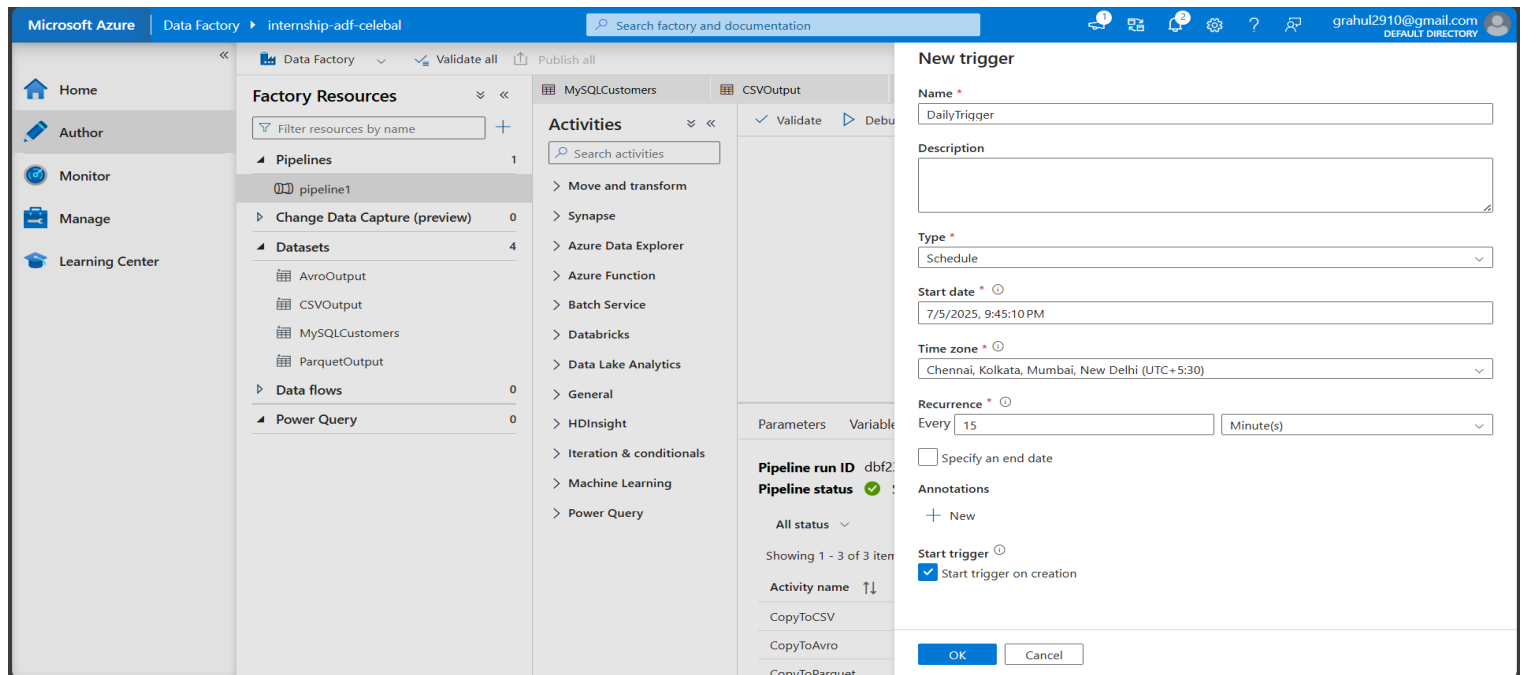
Task 2: Configure Schedule Trigger and Event Triggers to Automate the Pipeline Process

Automate the data pipeline by:

- Running it at regular intervals (Schedule Trigger)
- Running it in response to new files arriving in Blob Storage (Event Trigger)

- 1.) Create a new pipeline that changes a particular dataset to another/reuse the pipeline from Task 1.
- 2.) Create Schedule Based Trigger and like it to the pipeline then finally enable the trigger

- Name: DailyTrigger
- Type: Schedule



- 3.) Create Event Based Trigger that will run when it detects any change in the database or a new file arrival. We have used it to run when there is a new file updated in Microsoft Azure (i.e. .csv file format). It will automatically run when .csv file format is added to the azure storage

- Name: StorageEventTrigger
- Type: Storage Events
- Linked service: azure_blob_storage
- Container: output-data
- Event type: BlobCreated

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Factory Resources

Filter resources by name

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pipeline1

Change Data Capture (preview) 0

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General Source

Name *

Description

Activity state

Timeout

Retry

New trigger

Name *

BlobUploadTrigger

Description

Type *

Storage events

Account selection method *

From Azure subscription

Enter manually

Azure subscription

Select all

Storage account name *

celebalinternstorage

Container name *

output-data

Blob path begins with

Blob path ends with

.csv

Continue Cancel

4.) Monitor the work of the triggers. Go to Monitor Tab in the Azure Data Factory and verify the proper working of the triggers.

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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

Copy filters Export to CSV

Triggered by : All Add filter

Showing 1 - 7 items

Last refreshed 0 minutes ago

Pipeline name	Run start	Run end	Duration	Triggered by	Status	Run	Parameters
pipeline1	7/4/2025, 10:46:51 PM	--	17s	trigger2	In progress	Original	
pipeline1	7/4/2025, 10:46:33 PM	7/4/2025, 10:46:52 PM	19s	trigger2	Succeeded	Original	
pipeline1	7/4/2025, 10:46:18 PM	7/4/2025, 10:46:33 PM	16s	trigger2	Succeeded	Original	
pipeline1	7/4/2025, 10:46:01 PM	7/4/2025, 10:46:18 PM	18s	trigger2	Succeeded	Original	
pipeline1	7/4/2025, 10:45:45 PM	7/4/2025, 10:46:01 PM	16s	trigger2	Succeeded	Original	
pipeline1	7/4/2025, 10:45:30 PM	7/4/2025, 10:45:47 PM	17s	trigger2	Succeeded	Original	
pipeline1	7/4/2025, 10:45:12 PM	7/4/2025, 10:45:30 PM	19s	trigger2	Succeeded	Original	

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home > All resources > celebalinternstorage | Containers >

output-data

Container

Search

Add Directory Upload Change access level Refresh Delete Copy Paste

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

output-data

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

Add filter

Search blobs by prefix (case-sensitive)

Showing all 4 items

Name	Last modified	Access
customers.avro	4/7/2025, 4:25:24 pm	Hot
customers.csv	4/7/2025, 2:30:23 pm	Hot
customers.parquet	4/7/2025, 4:25:26 pm	Hot
customers_output.csv	4/7/2025, 4:25:22 pm	Hot

Upload blob

1 file(s) selected: customers_new.csv

Drag and drop files here or Browse for files

Overwrite if files already exist

Advanced

Upload

Give feedback

New trigger

Azure subscription ⓘ
Select all ▼

Storage account name * ⓘ
celebalinternstorage ▼

Container name * ⓘ
output-data ▼

Blob path begins with ⓘ
▼

Blob path ends with ⓘ
.csv

Event * ⓘ
☒ Blob created ☐ Blob deleted

Ignore empty blobs * ⓘ
☒ Yes ☐ No

Annotations
 + New

Start trigger ⓘ
☒ Start trigger on creation

Continue Cancel

ADF Trigger Configurations

1. Schedule Trigger: `DailyTrigger`

- Type: Schedule
- Pipeline: MySQLToAllFormatsPipeline
- Recurrence: Every 1 day
- Time Zone: India Standard Time (UTC+05:30)
- Status: Enabled

2. Event Trigger: `BlobUploadTrigger`

- Type: Storage Event
- Pipeline: MySQLToAllFormatsPipeline
- Storage Account: celebalinternstorage
- Container: output-data
- Event Type: Blob Created
- File Filter: *.csv
- Status: Enabled

