• Task 2: Configure Schedule Trigger and Event Triggers to Automate the Pipeline Process: Automate pipeline execution using schedule-based triggers for regular intervals and event-based triggers to respond to dynamic actions like file arrivals or database changes. This ensures timely and hands-free data movement in both real-time and batch scenarios.

#### Solution:

#### Step 1:

- Go to Azure Data Factory Studio
- Open ADF Studio from Azure Portal
- Click Manage (gear icon) on the left
- Click Triggers → + New to create a new trigger

## Step 2:

- Configure a Schedule Trigger
- Select Schedule as trigger type
- Give a name (e.g., daily-trigger)
- Set start date/time, recurrence (e.g., every 1 day, every 6 hours, etc.)
- Time zone: (e.g., UTC+05:30)
- Click Next and Finish
- ★ Use case: Automate pipeline every day at 8 AM for daily reports

#### Step 3:

- Configure an Event Trigger
- Click + New Trigger
- Select Event as trigger type

#### Choose:

- Storage account
- Container name
- Blob path (optional)

## Choose the event type:

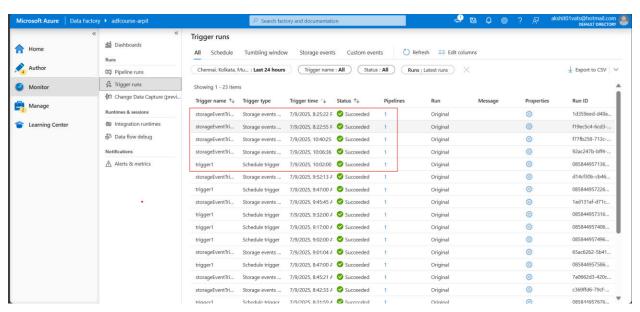
- Blob created (file arrives)
- Blob deleted
- Choose blob path begins with or ends with filters (e.g., input/, .csv)
- Click Next and Finish

★ Use case: Run pipeline automatically when a new file is uploaded to blob storage

#### Step 4:

- Attach Trigger to a Pipeline
- Go to your pipeline in ADF
- Click Add Trigger > New/Edit
- Choose the trigger (schedule or event)
- Click OK and Publish All

## Copy Data from Database to CSV, Parquet, and Avro File:



# Pipelines run according to Schedule Trigger and Event Triggers:

