

# Schedule Trigger and Event Triggers to Automate the Pipeline Process

- Lets use the previous pipeline and create both triggers
- Open the data factory

The screenshot shows the Microsoft Azure portal with the Azure Data Factory Studio interface. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a Copilot icon. The user's profile is visible in the top right corner. The main content area displays the 'CelebaISI' Data factory (V2) overview. It includes a left-hand navigation pane with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Settings, Getting started, Monitoring, Automation, and Help. The 'Overview' section shows essential information: Resource group (RG-ADF), Status (Succeeded), Location (Central India), Subscription (Azure subscription 1), and Subscription ID. A central banner for 'Azure Data Factory Studio' features a 'Launch studio' button. Below this, there are sections for 'Quick Starts', 'Tutorials', 'Template Gallery', and 'Training Modules'. At the bottom, a 'Monitoring' section provides links to 'PipelineRuns', 'ActivityRuns', and 'TriggerRuns'.

- Create a new trigger (schedule trigger) and give following parameters:

This screenshot shows the 'New trigger' configuration window in the Azure Data Factory Studio. The window is titled 'New trigger' and contains several fields for configuring a new trigger. The 'Name' field is set to 'Dailytrigger'. The 'Description' field is empty. The 'Type' is set to 'Schedule'. The 'Start date' is set to '7/3/2025, 5:31:00 PM'. The 'Time zone' is set to 'Chennai, Kolkata, Mumbai, New Delhi (UTC+5:30)'. The 'Recurrence' is set to 'Every 1 Day(s)'. Under the 'Advanced recurrence options' section, the 'Execute at these times' option is selected, and the 'Schedule execution times' are set to '17:31'. The 'Annotations' section is empty. The 'OK' and 'Cancel' buttons are at the bottom right.

This screenshot shows the 'Add triggers' window in the Azure Data Factory Studio. The window is titled 'Add triggers' and contains a table with the following columns: 'Trigger', 'Type', and 'Parameters'. The table has one row with the trigger 'Dailytrigger', type 'Schedule', and parameters '0'. The 'Close' button is at the bottom right.

- Now for event trigger lets create two directory in a container (input & output) when a file arrive in input the pipeline will be triggered.

csassignments

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

Search blobs by prefix (case-sensitive)

Only show active objects

Showing all 2 items

Name	Last modified	Access tier	Blob type	Size	Lease state
input	7/3/2025, 8:47:06 AM				
output	7/3/2025, 8:46:42 AM				

- Lets now create our Event trigger which executes the pipeline when a csv file arrives in the input directory and outputs the result to the output directory.

Microsoft Azure Data Factory Celebati

Search factory and documentation

Factory Resources

- Pipelines (1)
  - CopyDATA
- Change Data Capture (preview) (0)
- Datasets (4)
  - AzureSqlTable1
  - EmployeeAvro
  - EmployeeCSV
  - EmployeeParquet
- Data flows (0)
- Power Query (0)

Activities

- Move and transform
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
- HDInsight
- Iteration & conditionals
- Machine Learning
- Power Query

CopyDATA

Parameters Variables Settings Output

Pipeline run ID b4685c10-4d7e-4dad-8291-ecb3d7564554

All status

Showing 1 - 3 of 3 items

Activity name	Activity st...	Activit...	Run start
CopytoCSV	✓ Succeeded	Copy data	7/3/2025, 8
CopytoParquet	✓ Succeeded	Copy data	7/3/2025, 8
CopytoAvro	✓ Succeeded	Copy data	7/3/2025, 8

Edit trigger

Name \* NewFileTrigger

Description

Type \* BlobEventsTrigger

Account selection method \* ☒ From Azure subscription ☐ Enter manually

Azure subscription

Storage account name \*

Container name \*

Blob path begins with

Blob path ends with

Event \* ☒ Blob created ☐ Blob deleted

Ignore empty blobs \* ☐

Continue Cancel

- To test our trigger we first check and see that our trigger runs show no triggers right now.

Trigger runs

All Schedule Tumbling window Storage events Custom events

Refresh Edit columns

Chennai, Kolkata, Mu... : Last 24 hours

Trigger name : All Status : All Runs : Latest runs

Export to CSV

No results to show

If you expected to see results, try changing your filters.

- Now lets upload a csv file in our input folder:

Microsoft Azure Upgrade

Search resources, services, and docs (G+)

Copilot

Home > storagecsi | Containers >

csassignments Container

Search

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

csassignments > input

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

Search blobs by prefix (case-sensitive)

Showing all 0 items

Name	Last modified	Access tier
[.]		

Upload blob

1 file(s) selected: Fact\_Sales\_1.csv

Drag and drop files here or [Browse for files](#)

Overwrite if files already exist

Advanced

Upload

Give feedback

- The trigger has successfully run as we can see:

Microsoft Azure | Data Factory | CelebalSI

Search factory and documentation

» <<

Home Dashboards

Runs

Pipeline runs

Trigger runs

Change Data Capture (previ...

Runtimes & sessions

Integration runtimes

Data flow debug

Notifications

Alerts & metrics

### Trigger runs

All Schedule Tumbling window Storage events Custom events Refresh Edit columns

Chennai, Kolkata, Mu... : Last 24 hours Trigger name : All Status : All Runs : Latest runs Export to CSV

Showing 1 - 1 items

Trigger name ↑↓	Trigger type	Trigger time ↑↓	Status ↑↓	Pipelines	Run	Message	Properties	Run ID
NewFileTrigger	Storage events trigger	7/3/2025, 10:10:54 AM	Succeeded	1	Original			92476f27-cc4a-4bcd...

- And our pipeline was executed:

Microsoft Azure | Data Factory | CelebalSI

Search factory and documentation

» <<

Home Dashboards

Runs

Pipeline runs

Trigger runs

Change Data Capture (previ...

Runtimes & sessions

Integration runtimes

Data flow debug

Notifications

Alerts & metrics

### 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 Copy filters Export to CSV

Add filter

Showing 1 - 1 items Last refreshed 2 minutes ago

Pipeline name ↑↓	Run start ↑↓	Run end ↑↓	Duration	Triggered by	Status ↑↓	Run	Parameters	Annotations	Ru
CopyDATA	7/3/2025, 10:10:55 AM	--	19s	NewFileTrigger	In progress	Original			b9