


Power Platform Integration LABs

Custom Connectors
Webhooks & Polling Triggers


Custom Connector Actions vs Triggers


 ZoneDrive Demo


← Search connectors and actions

Triggers

Actions


 **CreateFile**
ZoneDrive Demo


 **Get File**
ZoneDrive Demo


 **Get Files**
ZoneDrive Demo


Flow name
Add a name or we'll generate one


Choose how to trigger this flow *


 Manually trigger a flow
Flow button for mobile


 PowerApps
PowerApps

 When Power Virtual Agents calls a flow
Power Virtual Agents

 For a selected message
Microsoft Teams

 For a selected file
OneDrive for Business


 Power BI button clicked
Power BI

 For a selected file

Skip

Create


Cancel


 ZoneDrive Demo

← Search connectors and triggers

Triggers

Actions

 **On File Change**
ZoneDrive Demo

 **OnFileChange Via Polling**
ZoneDrive Demo

Why Triggers ?

Extend a Connector to
Respond to Underlying Data
Changes

Trigger a flow

When a record is created.

When a state is changed.

When a alarm is raised.

When a file is changed in
zone drive

When a user leaves a
meeting.

...

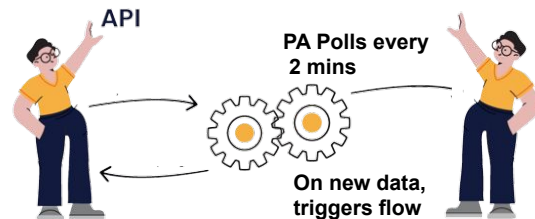
...

...

Polling Trigger

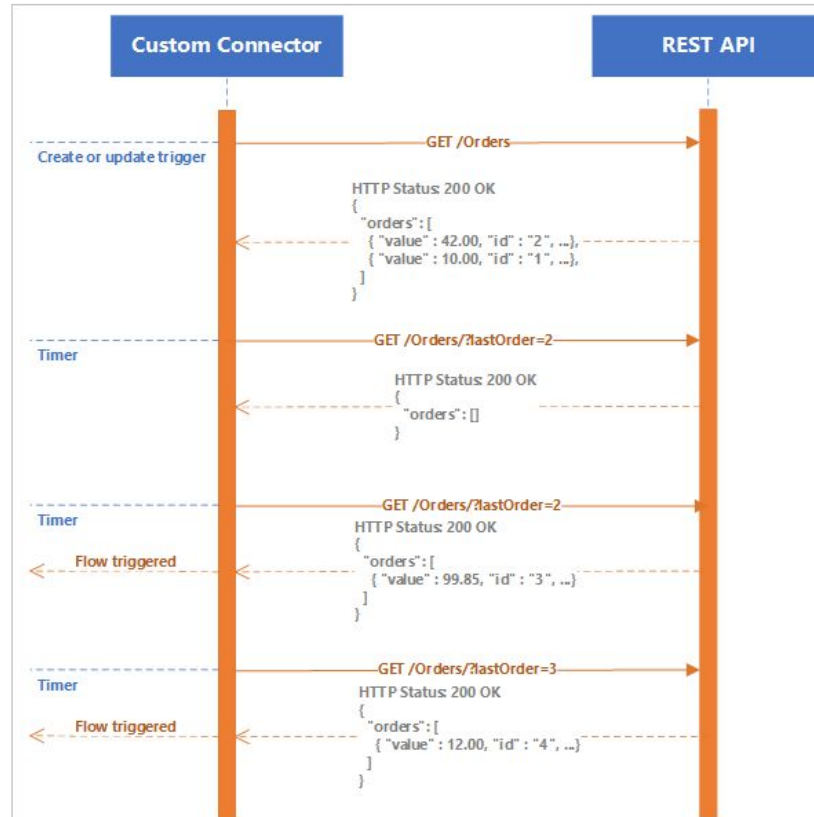
Workflow Initiated by
PA based on
availability of new
data

Polling



- A polling trigger is an implementation that regularly (every 2 minute in PA) polls the REST API service and checks for new data.
- After the platform has determined that new data is available, the trigger fires and passes the new collected data to the workflow.

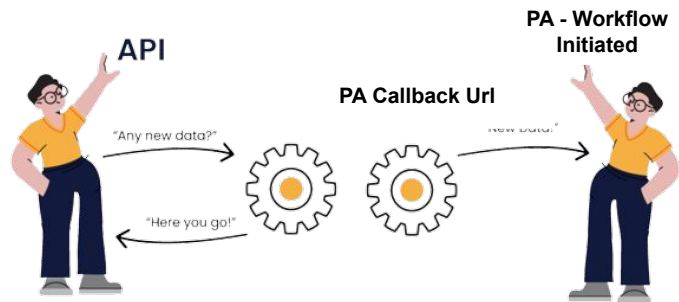
Polling Trigger - Behind the Scene



Webhook Trigger

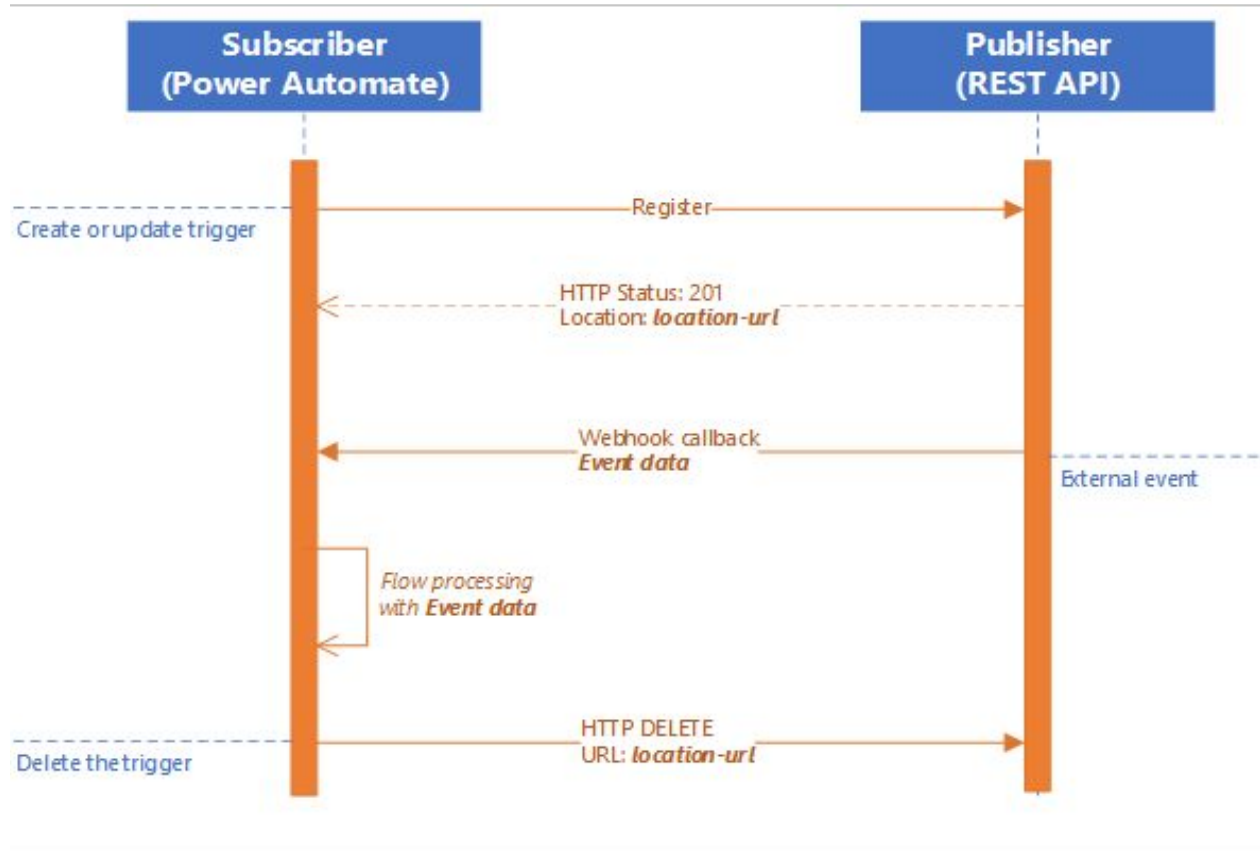
Workflow Initiated from
External Service in
realtime

Webhooks



- Unlike Polling Trigger, Webhooks are modern efficient way the REST API's notify the endpoint when a event occurs.
- The API Clients need to subscribe/register for the events. Not every REST API's support webhook standard.

Webhook Trigger - Behind the Scene



Creating Polling Trigger

Step 1 :

Define the Request &
Response Schema

Operation ID *

This is the unique string used to identify the operation.

OnFileChangeViaPolling

Visibility [Learn more](#)

☒ none ☐ advanced ☐ internal ☐ important

Trigger type [Learn more](#) *

☐ Webhook ☒ Polling

Request + Import

Verb *

The verb describes the operations available on a single path.

GET

URL *

This is the request URL.

https://zonedrive.appdews.com/trigger/files

Path

Path is used together with Path Templating, where the parameter value is actually part of the operation's

Query

Query parameters are appended to the URL. For example, in /items?id=####, the query parameter is id

since ⌵

Creating Polling Trigger

Step 2 :

Define the Property to check for new data based on recent state

Trigger configuration

Trigger configuration

Select query parameter to monitor state change *

since

Specify value to pass to selected query parameter. You may choose expressions.

@{triggerBody()[0].modifiedAt}

Select collection that contains trigger data *

@triggerBody()

Trigger Hint *

New

Creating Webhook Trigger

Step 1 :

Define the Subscription Request Schema

This is the unique string used to identify the operation.

OnFileChange

Visibility [Learn more](#)

☒ none ☐ advanced ☐ internal ☐ important

Trigger type [Learn more](#) *

☒ Webhook ☐ Polling

Request

Verb *

The verb describes the operations available on a single path.

POST

URL *

This is the request URL.

`https://zonedrive.appdews.com/subscribe`

Path

Path is used together with Path Templating, where the parameter value is actual

Creating Webhook Trigger

Step 2 :

Define the Endpoint
Callback Url Property

Trigger configuration

Trigger configuration

Callback URL parameter *

Select the parameter that should receive the callback data. The parameter should be hidden from end users

url

body

eventType

url

userId

API Requirements for Trigger Integrations



Demo Time

Demo Time (Webhook Trigger) `ZoneDrive`

Listen for File Events
(created, updated or
deleted)
Via
Webhook Trigger



Demo Time (Polling Trigger) 'ZoneDrive'

Poll for File Events
And Use Poll Trigger to
Run Flow when new data
available.



Exploring Swagger Files

Edit Swagger and Deploy
via ``paconn`` utility

— — —

Webhook Trigger Definition

Exploring the Trigger Definition in Swagger file

```
"/webhooks": {  
  "x-ms-notification-content": {  
    "description": "200",  
    "schema": { ...  
  }  
},  
  "post": {  
    "responses": {  
      "default": {  
        "description": "default",  
        "schema": {}  
      }  
    },  
    "summary": "OnFileChanged",  
    "description": "OnFileChanged",  
    "operationId": "OnFileChanged",  
    "x-ms-trigger": "single",  
    "parameters": [ ...  
  ]  
}
```

Polling Trigger Definition

Exploring the Trigger
Definition in Swagger
file

Swagger custom connector file

```
paths:  
  /webhooks:  
    post:  
      operationId: OnFileChanged  
      x-ms-trigger: batch
```

Question & Answers

Reach us for any further queries

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Thank You...