Power Platform Integration LABs

Custom Connectors

Webhooks & Polling Triggers

Dated: 30 Mar 2022

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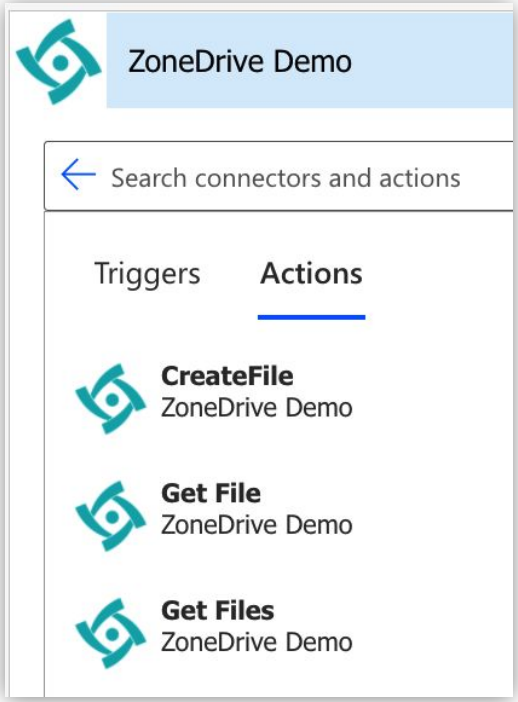
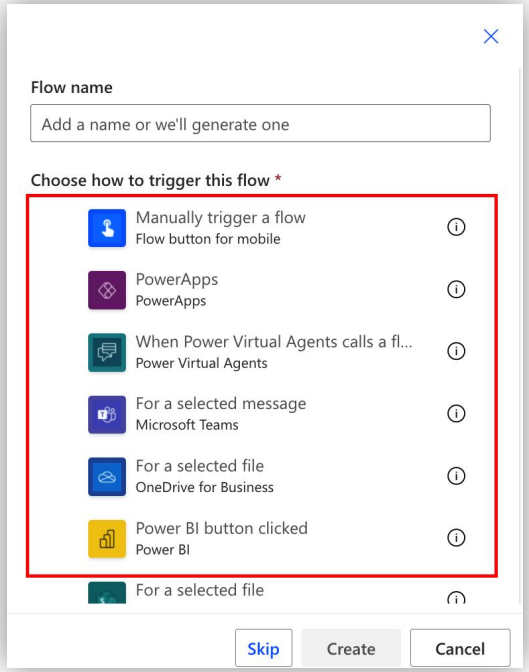
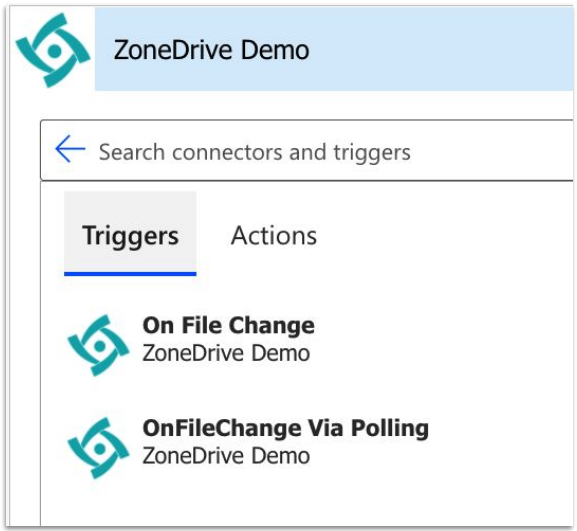
Custom Connector Actions vs Triggers







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.

...

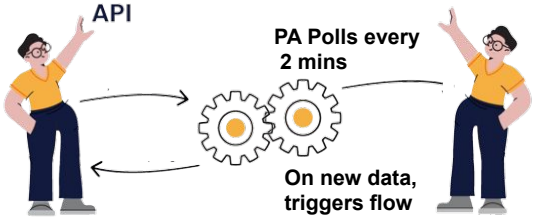
...

...

Polling Trigger

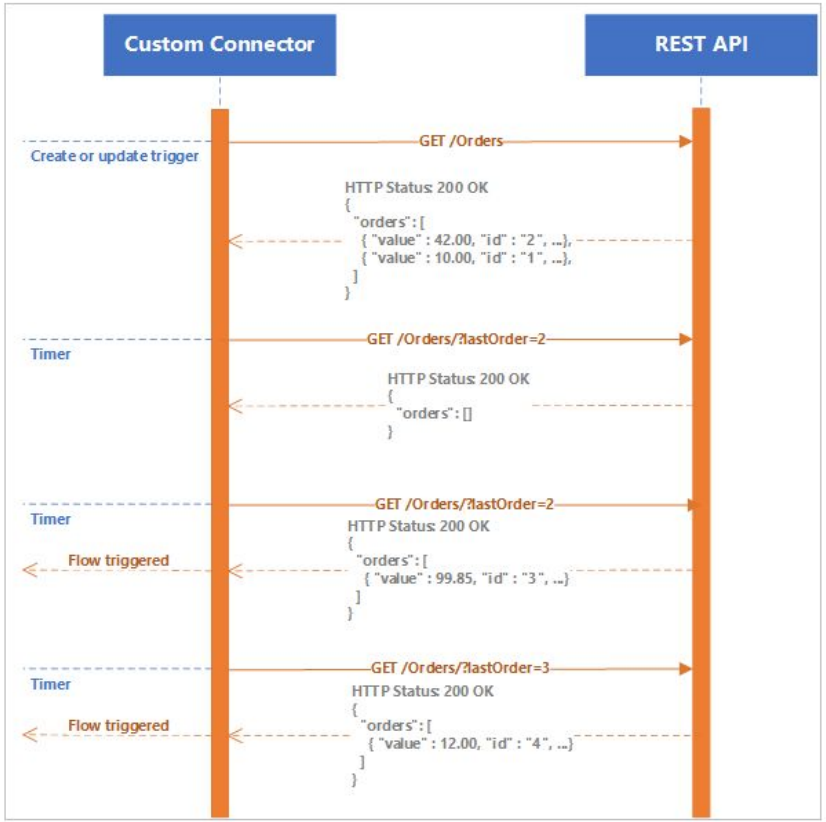
Workflow Initiated by PA based on availability of new data

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.

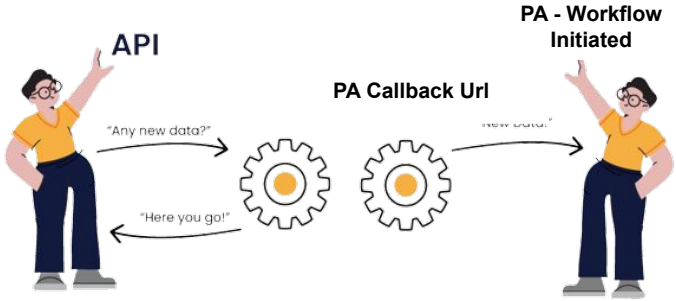
Polling Trigger - Behind the Scene



Webhook Trigger

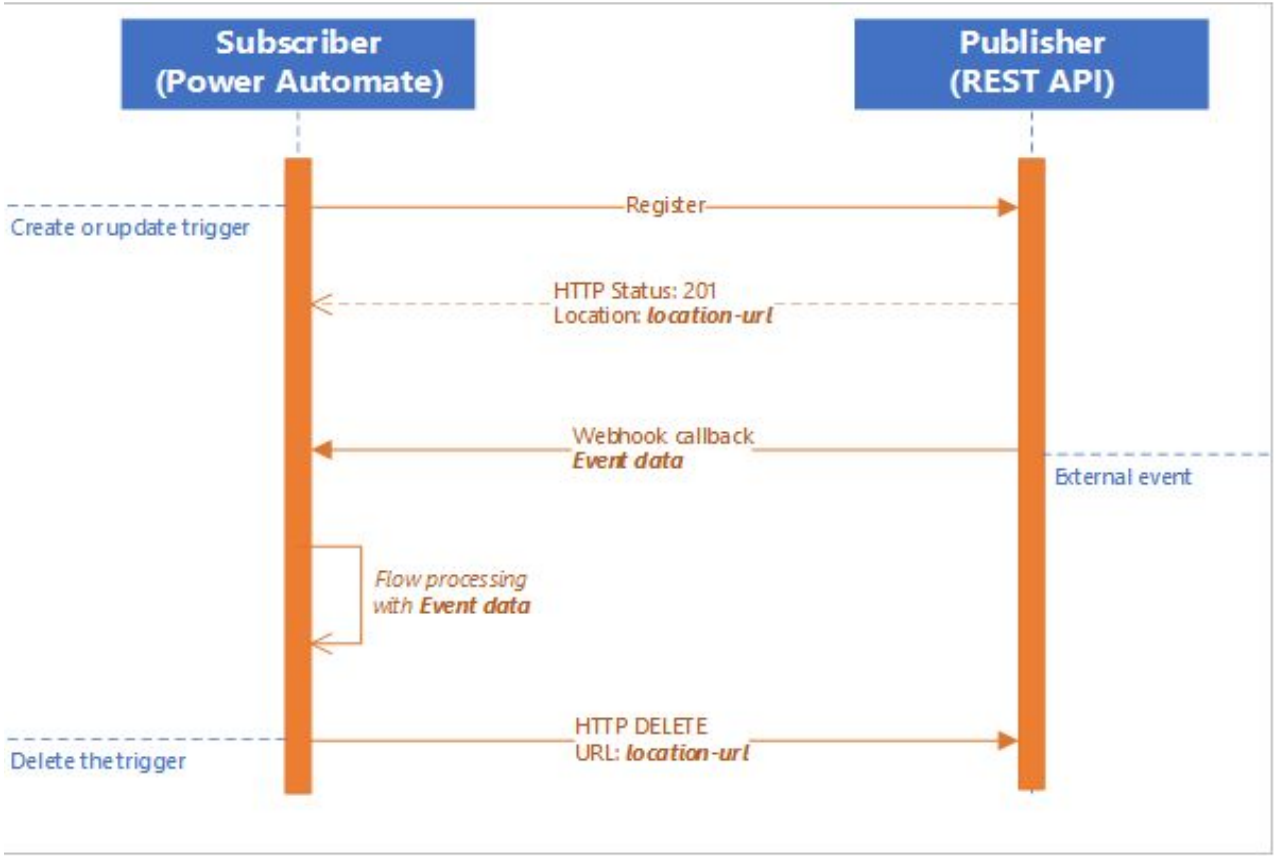
Workflow Initiated from External Service in realtime

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.

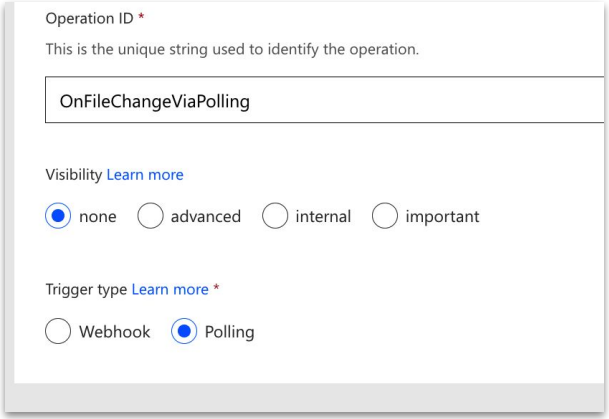
Webhook Trigger - Behind the Scene

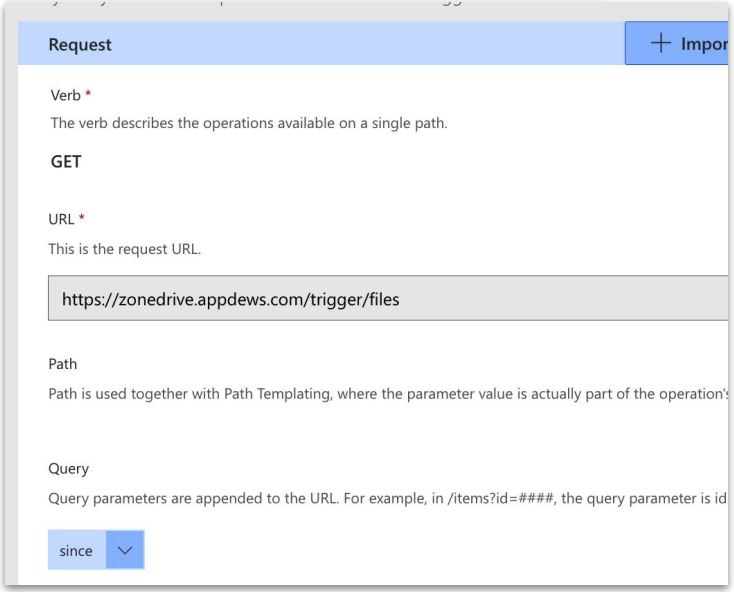


Creating Polling Trigger

Step 1 :

Define the Request & Response Schema

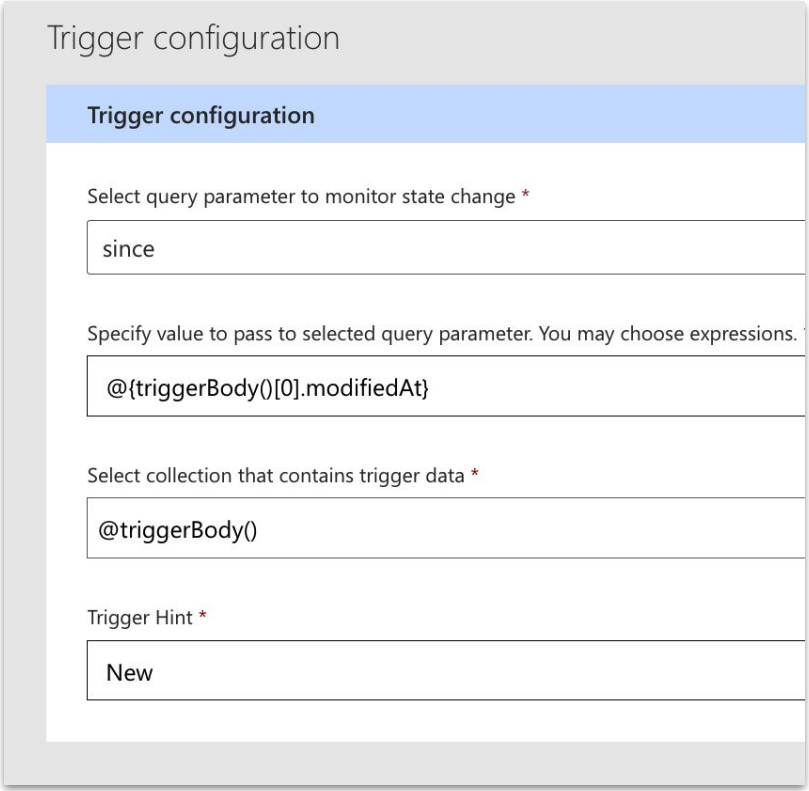




Creating Polling Trigger

Step 2 :

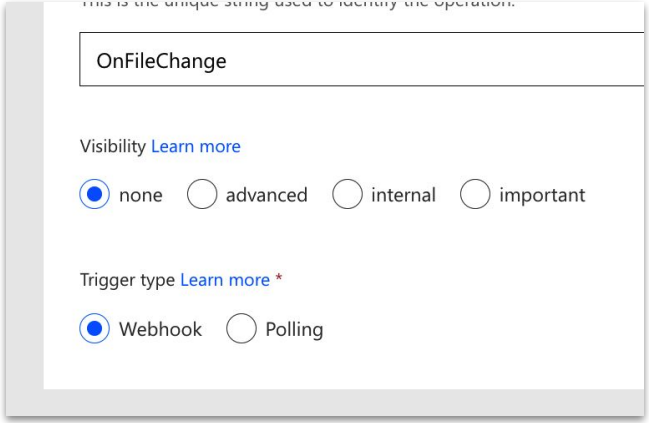
Define the Property to check for new data based on recent state

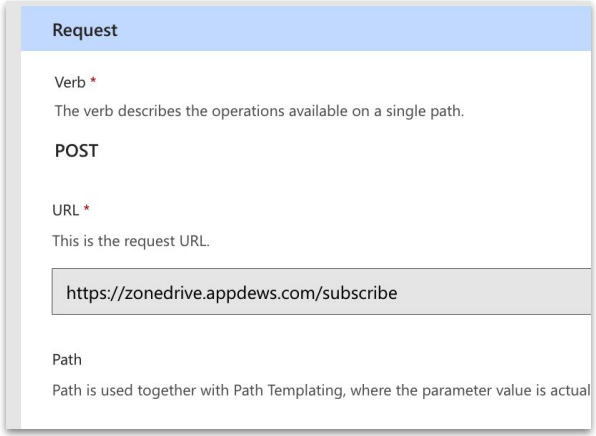


Creating Webhook Trigger

Step 1 :

Define the Subscription Request Schema

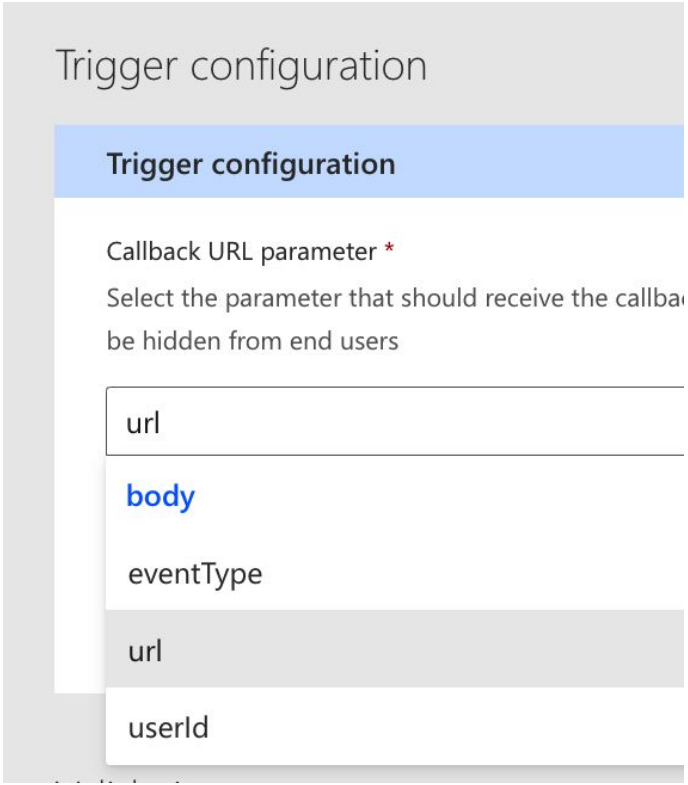




Creating Webhook Trigger

Step 2 :

Define the Endpoint Callback Url Property



API Requirements for Trigger Integrations

Demo Time

Demo Time (Webhook Trigger) `ZoneDrive`

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

Zone Drive - Demo Connector - To understand Trigger Concepts

Demo Time (Polling Trigger) `ZoneDrive`

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

Zone Drive - Demo Connector - To understand Trigger Concepts

Exploring Swagger Files

Edit Swagger and Deploy via `**paconn**` utility

Webhook Trigger Definition

Exploring the Trigger Definition in Swagger file

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...