

Pipeline status notification using azure logic apps use case (4):

Services required :

1. Azure sql database
2. Azure data factory
3. On prem Mysql

Azure Blob Storage :

- Creation of the azure blob storage is shown in the document below.
- <https://docs.google.com/document/d/1vZCMfM9ieALTQm6Jdwl2JzxcMkwnyvkSJHCrry2kVlo/edit?usp=sharing>

Azure SQL Database creation :

- Creation of the azure sql database is shown in the document below.
- https://docs.google.com/document/d/16iB1EsGKHc6-bcqTPSfqkK6BVf3n8_fpbat42uNOvXc/edit?usp=sharing

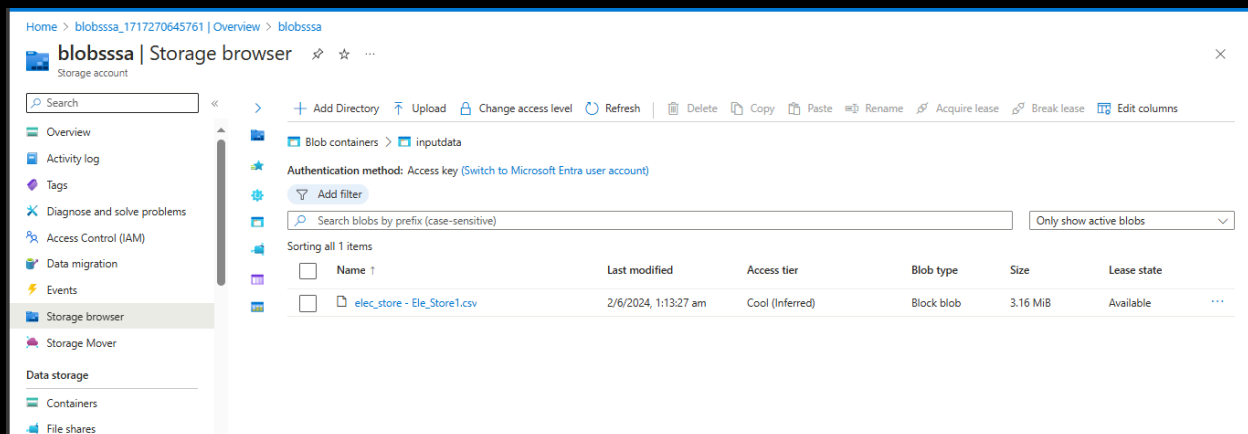
Azure Datafactory Creation :

- Creation of the azure data factory is shown in the document below.
- https://docs.google.com/document/d/1lpvA7XumJjbIP0wPWWUlf_d_gdvh6jTn_0a12HWv0jcM/edit?usp=sharing

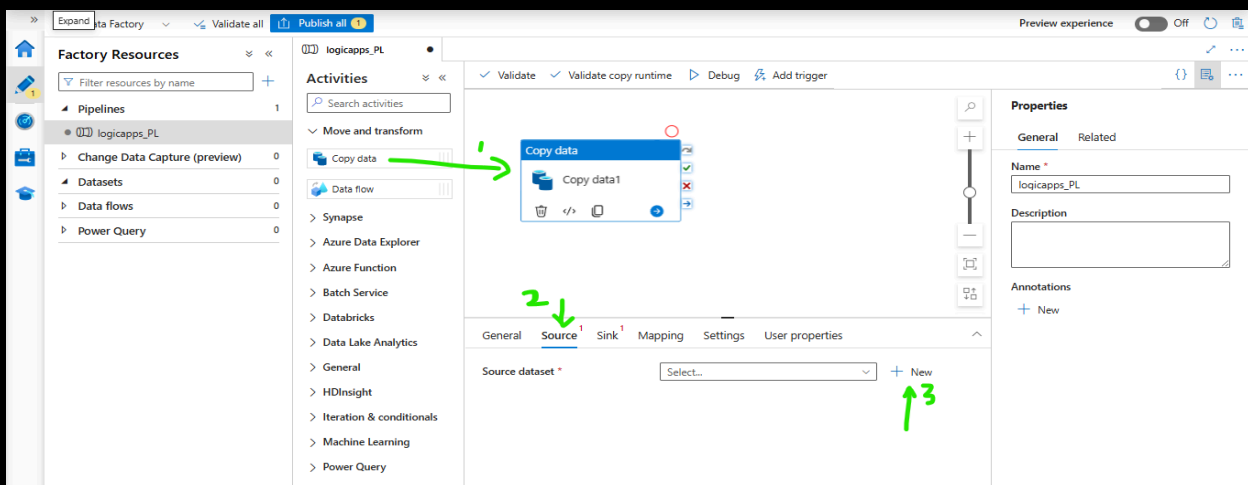
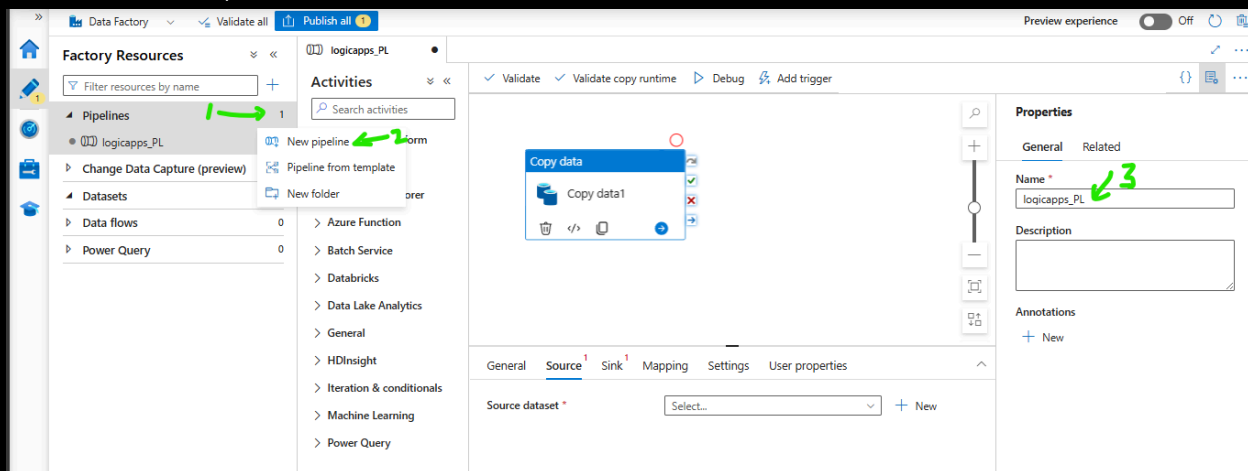
Azure Logic Apps Creation :

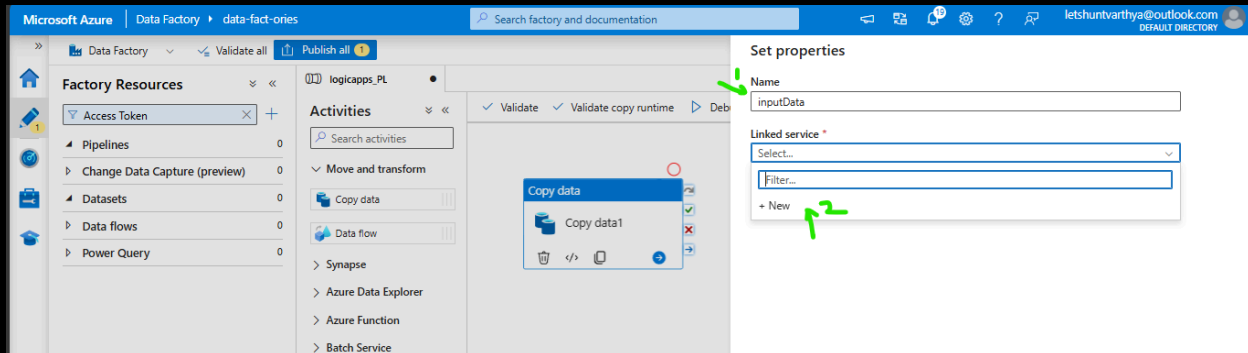
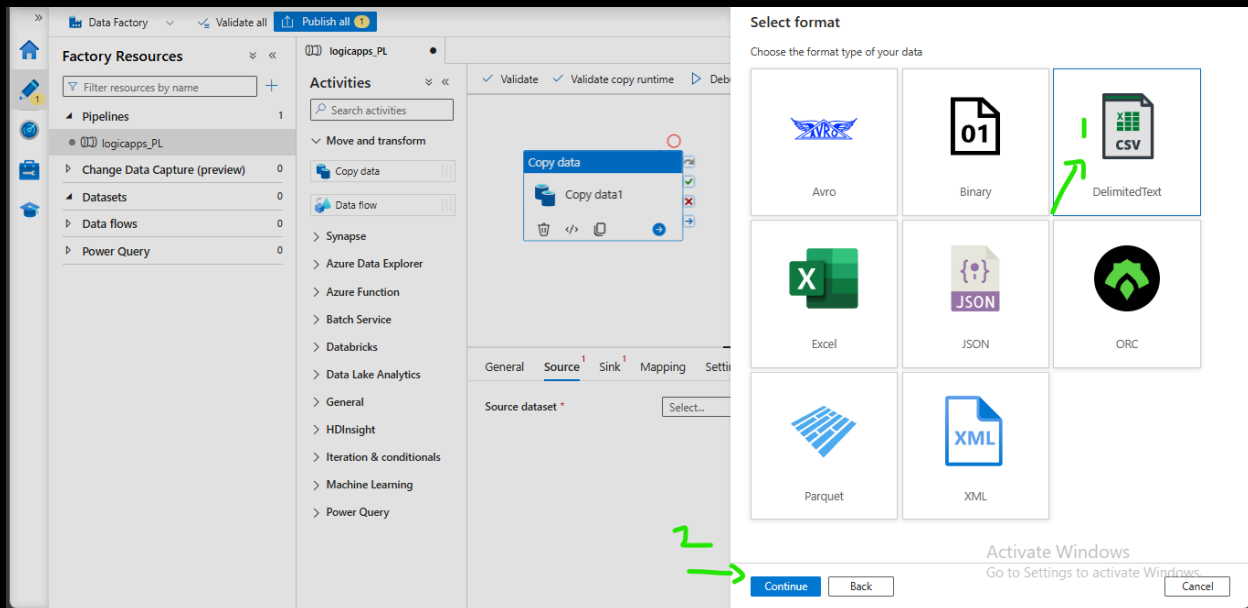
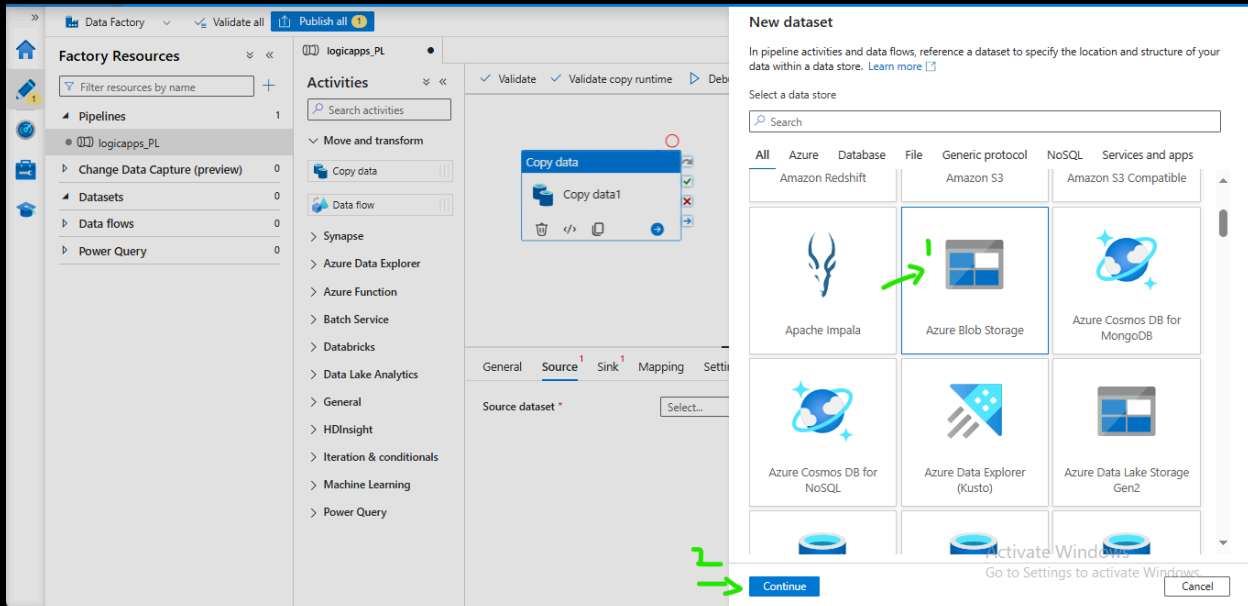
- Creation of the azure logic apps is shown in the document below.
- <https://docs.google.com/document/d/1h13QONdJhGQf86Sm1QU790zNERqSlln3wcLwuYu50-l/edit?usp=sharing>

Upload elecstore data in blob storage container.



In Data Factory:





Factory Resources

- Access Token
- Pipelines
- Change Data Capture (preview)
- Datasets
- Data flows
- Power Query

Activities

- Copy data
- Data flow
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
- HDLnsight
- Iteration & conditionals
- Machine Learning
- Power Query

Copy data

Copy data1

Source dataset *

General Source Sink Mapping Settings

New linked service

Azure Blob Storage

Name *

blob2adf.js

Description

Connect via integration runtime *

AutoResolveIntegrationRuntime

Authentication type

Account key

Connection string

Azure Key Vault

Account selection method

From Azure subscription

Enter manually

Azure subscription

Free Trial (c92e5287-784e-4a20-9e6c-8549947f2ee6)

Storage account name *

blobsssa

Additional connection properties

New

Create

Cancel

Activate Windows

Go to Settings to activate Windows.

Connection successful

Test connection

Factory Resources

- Access Token
- Pipelines
- Change Data Capture (preview)
- Datasets
- Data flows
- Power Query

Activities

- Copy data
- Data flow
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service

Copy data

Copy data1

Set properties

Name

inputData

Linked service *

blob2adf.js

File path

Container

Directory

File name

First row as header

Import schema

From connection/store

From sample file

None

Advanced

Factory Resources

- Access Token
- Pipelines
- Change Data Capture (preview)
- Datasets
- Data flows
- Power Query

Activities

- Copy data
- Data flow
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service

Copy data

Copy data1

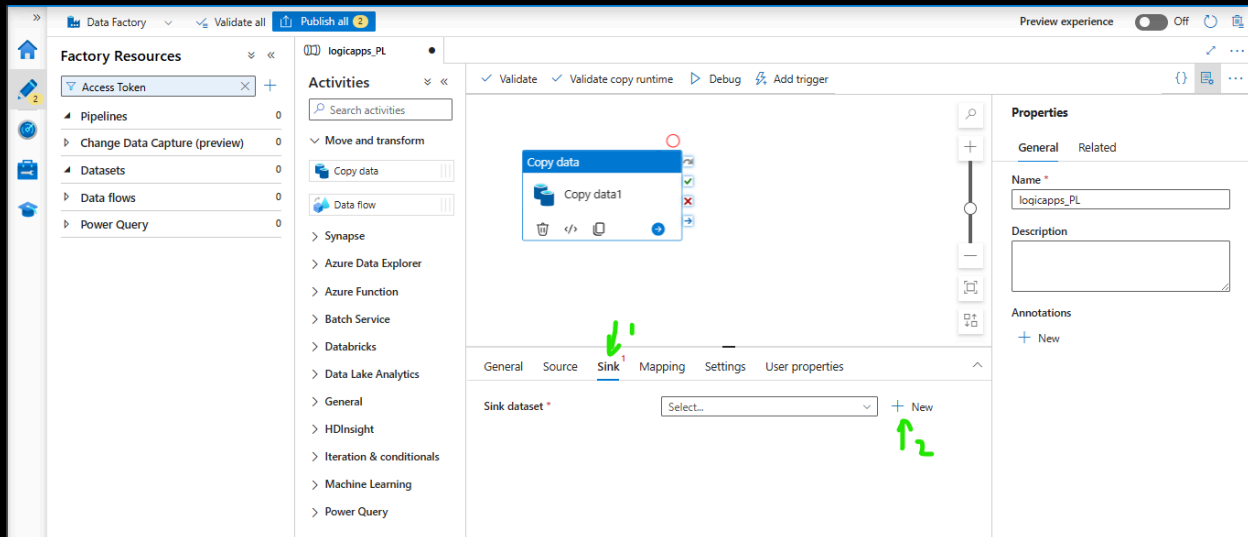
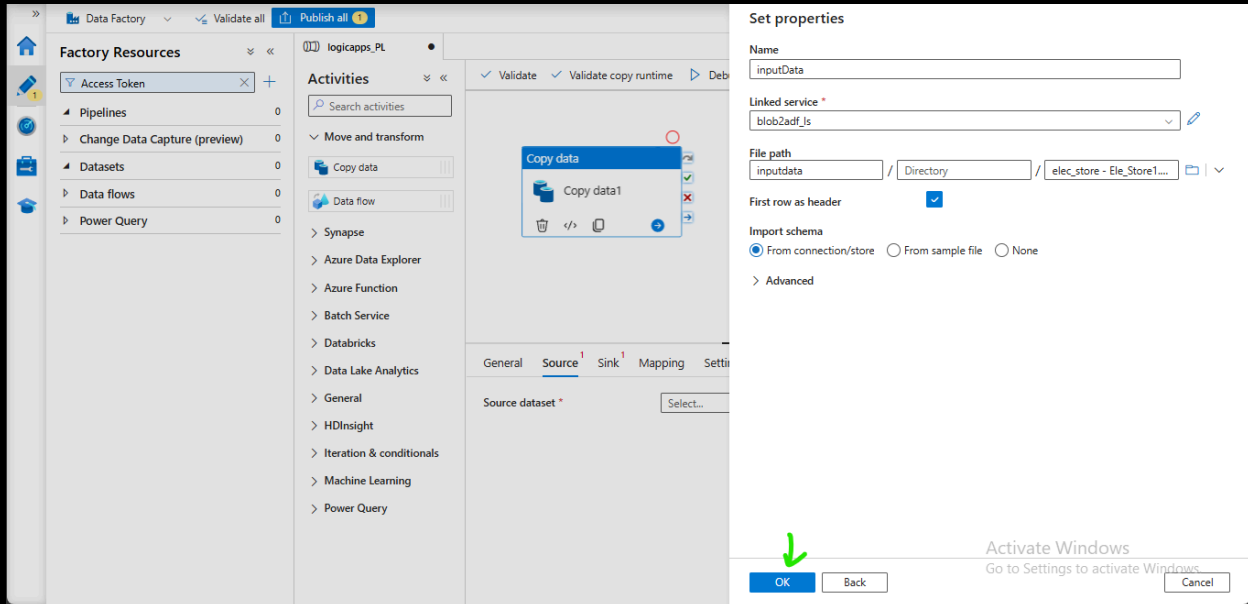
Browse

Select a file or folder.

Root folder

inputdata

elec_store - Ele_Store1.csv



Factory Resources

- Access Token
- Pipelines
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- Datasets
- Data flows
- Power Query

Activities

- Copy data
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- Synapse
- Azure Data Explorer
- Azure Function
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- Databricks
- Data Lake Analytics
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- Iteration & conditionals
- Machine Learning
- Power Query

Copy data

Copy data1

General Source Sink Mapping Settings

Sink dataset *

New dataset

In pipeline activities and data flows, reference a dataset to specify the location and structure of your data within a data store. [Learn more](#)

Select a data store

Search

All Azure Database File Generic protocol NoSQL Services and apps

Azure Database for MySQL Azure Database for PostgreSQL Azure Databricks Delta Lake

Azure File Storage Azure SQL Database Azure SQL Database Managed Instance

Continue

Factory Resources

- Access Token
- Pipelines
- Change Data Capture (preview)
- Datasets
- Data flows
- Power Query

Activities

- Copy data
- Data flow
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
- HDInsight
- Iteration & conditionals
- Machine Learning
- Power Query

Copy data

Copy data1

General Source Sink Mapping Settings

Sink dataset *

Set properties

Name: outputdata

Linked service: AsqlZadf_Is

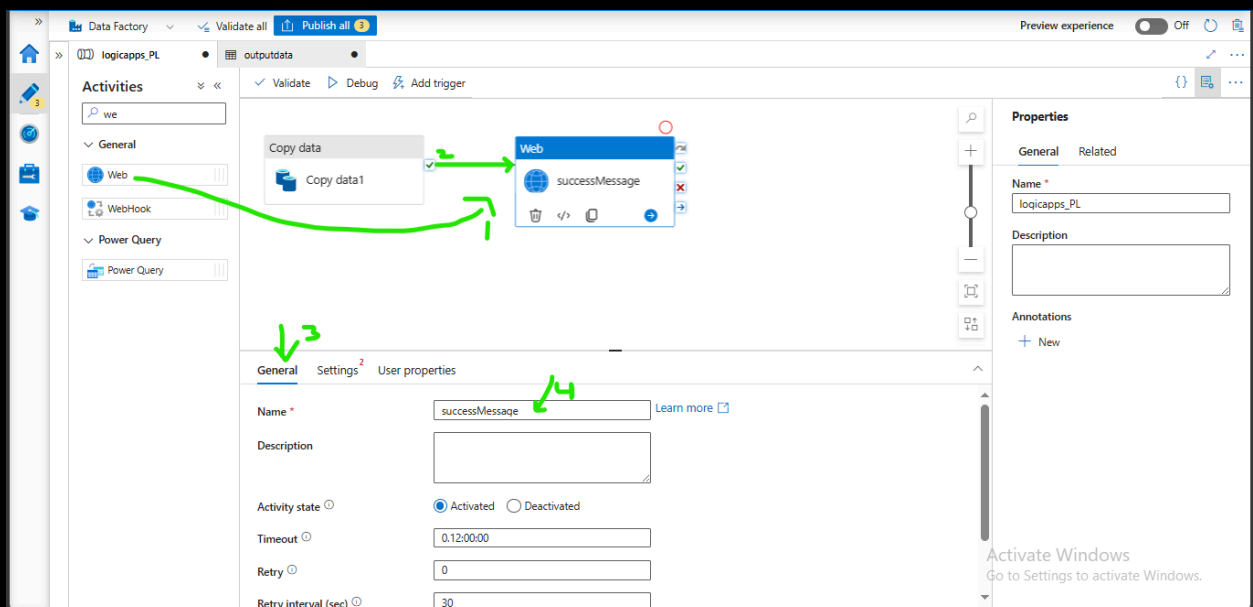
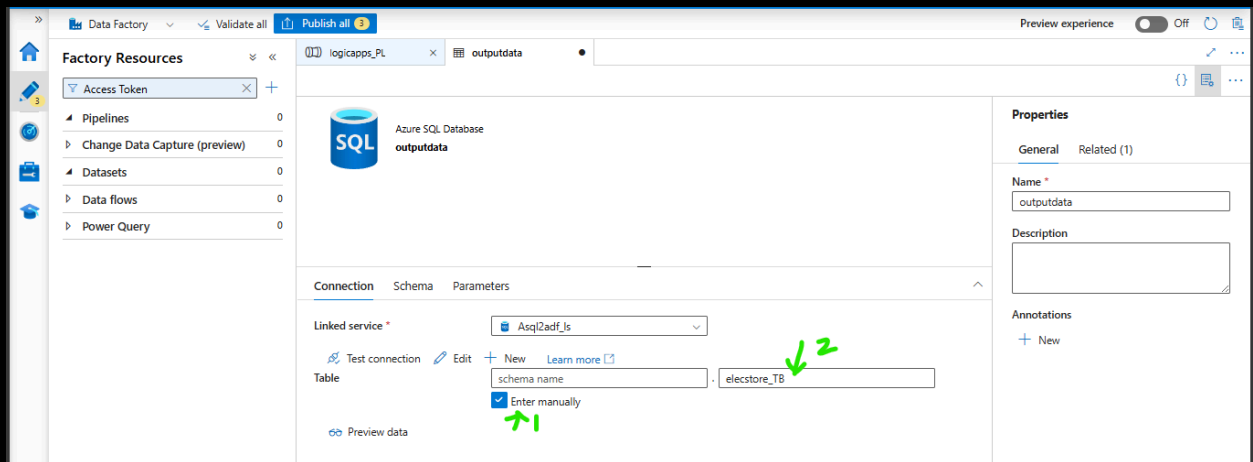
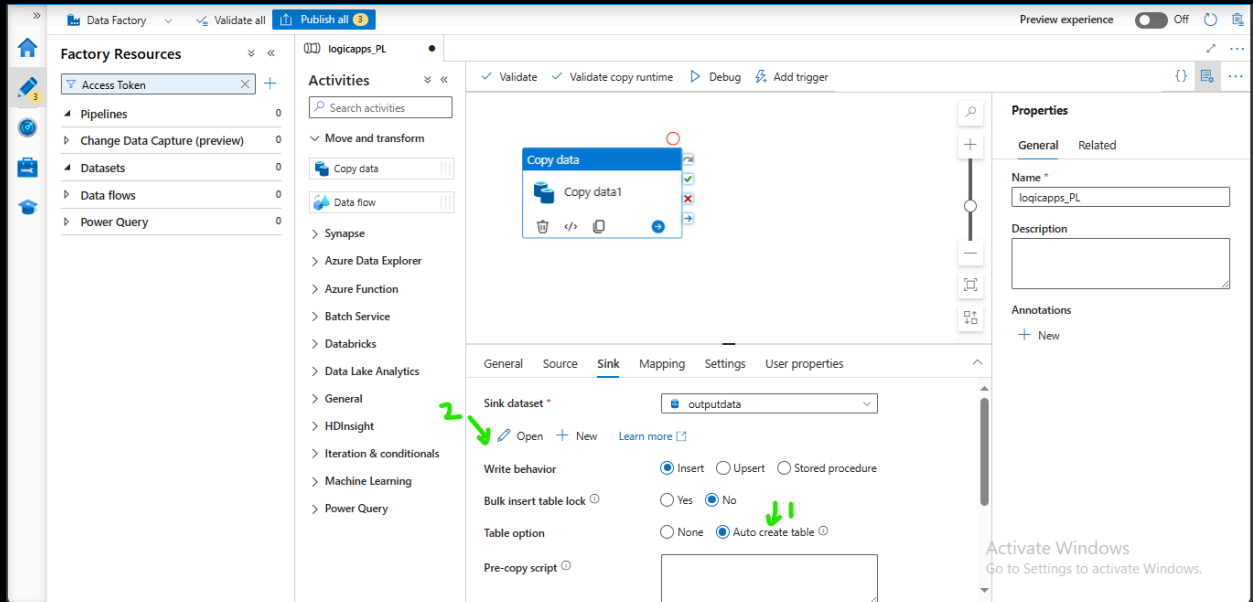
Table name: Select...

Enter manually

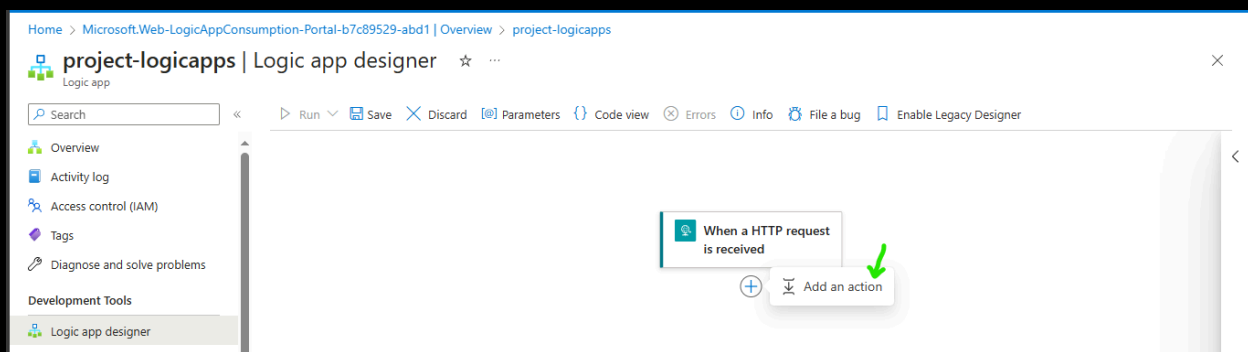
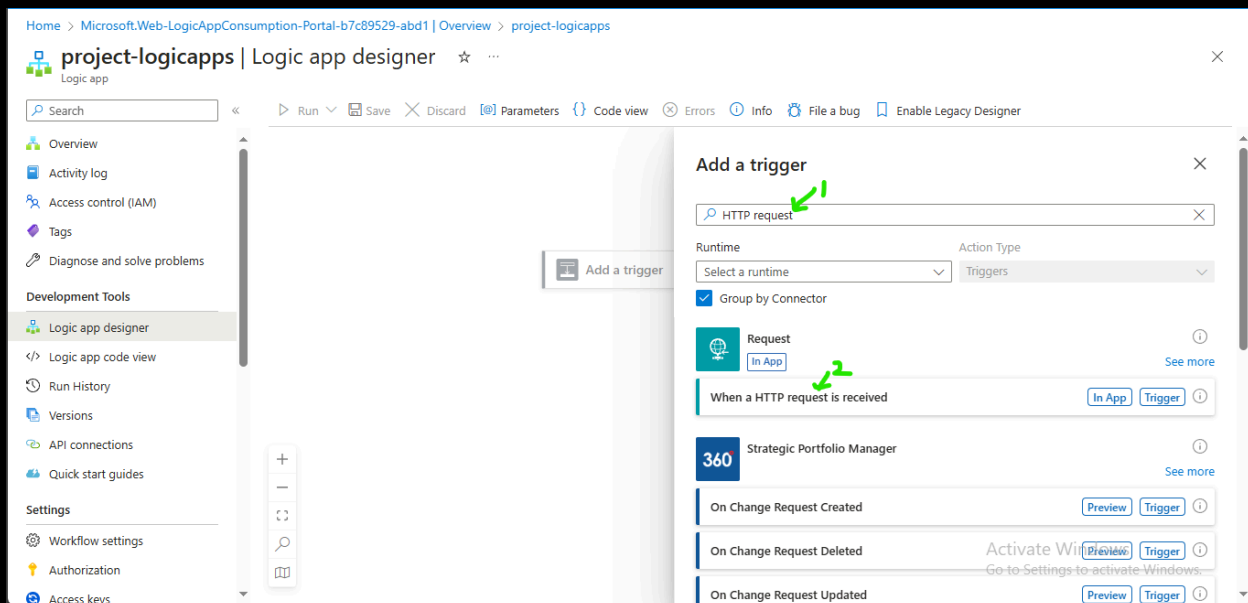
Import schema: From connection/store None

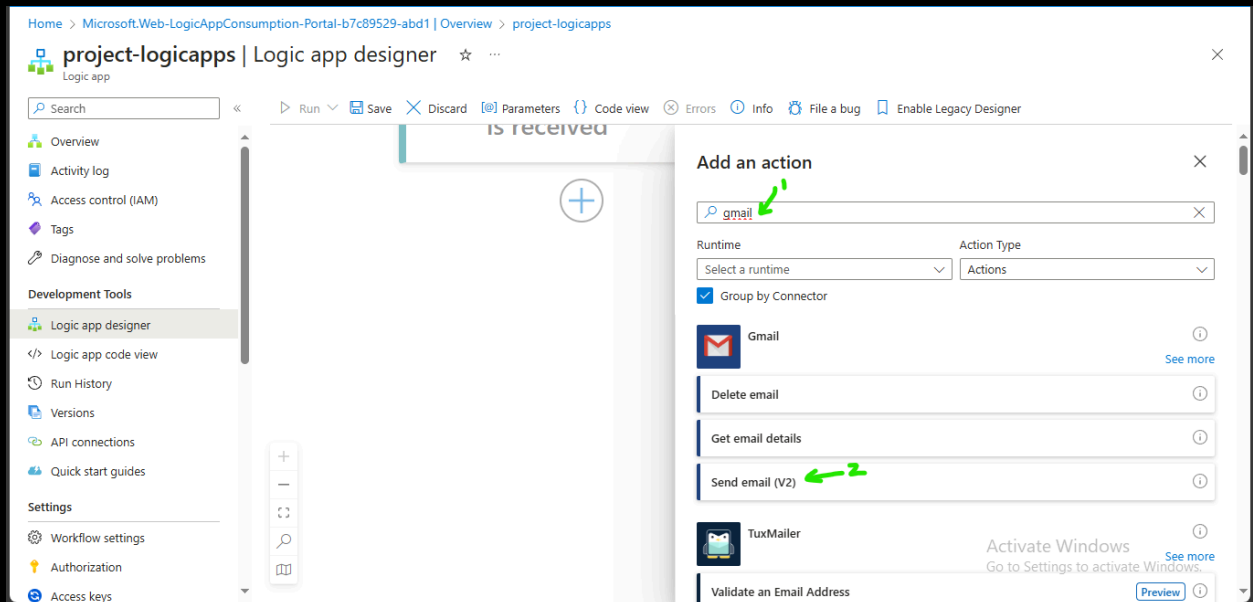
Advanced

OK Back

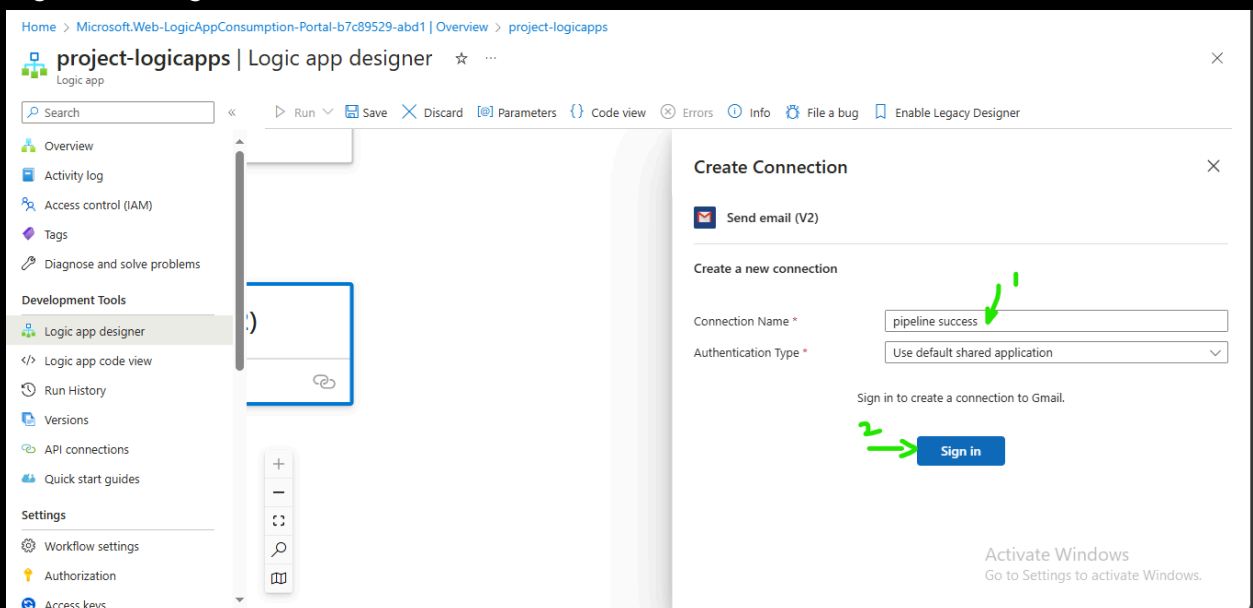


In logic apps





Sign in with gmail.



Home > Microsoft.Web-LogicAppConsumption-Portal-b7c89529-abd1 | Overview > project-logicapps

project-logicapps | Logic app designer

Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer

When a HTTP request is received

Send email (V2)

Parameters Settings Code View About

HTTP URL

URL will be generated after save

Method

Default (Allow All Methods)

Request Body JSON Schema

Use sample payload to generate schema

Activate Windows
Go to Settings to activate Windows.

Advanced parameters

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Logic app

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Enter or paste a sample JSON payload.

```
1 { "status": "Successful",  
2   "PLName": "",  
3   "PLExecutionTime": ""  
4 }
```

Activate Windows
Go to Settings to activate Windows.

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When a HTTP request is received

Send email (V2)

Parameters Settings Code View About

HTTP URL

URL will be generated after save

Method

Default (Allow All Methods)

Request Body JSON Schema

```
{  
  "type": "object",  
  "properties": {  
    "status": {
```

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Logic app

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When a HTTP request is received

Send email (V2)

Parameters Settings Code View About

HTTP URL

Method

Request Body JSON Schema

```
{
  "type": "object",
  "properties": {
    "status": {
      "type": "string"
    },
    "PLName": {
      "type": "string"
    },
    "PLExecutionTime": {
      "type": "string"
    }
  }
}
```

Activate Windows
Go to Settings to activate Windows.

Data Factory Validate all Publish all

logicapps_PL outputdata

Activities

Copy data1

Web successMessage

General Settings User properties

URL

Method

Body

Authentication

Headers

Advanced

Properties

General Related

Name

Description

Annotations

Activate Windows
Go to Settings to activate Windows.

1 - Paste url

2 - POST

3 - Add dynamic content [Alt+Shift+D]

Logic Apps Designer interface showing the Pipeline expression builder. The main canvas displays a workflow with a 'Copy data' activity connected to a 'Web' activity. The 'Web' activity settings are visible, including the URL, Method (POST), and Body. The Pipeline expression builder on the right shows the following JSON:

```
{
  "status": "Successful",
  "PLName": "@{pipeline().Pipeline}",
  "ExecTime": "@{pipeline().TriggerTime}"
}
```

Below the expression builder, the 'Activity outputs' tab is selected, showing the output of the 'Copy data' activity. The 'OK' button is highlighted with a green arrow.

Publish all → publish

Logic Apps Designer interface showing the 'Publish all' dialog. The dialog lists pending changes to be published to the live environment:

NAME	CHANGE	EXISTING
Pipelines		
logicapps_PL	(New)	-
Datasets		
inputData	(New)	-
outputdata	(New)	-

The 'Publish' button is highlighted with a green arrow.

Logic Apps Designer interface showing the 'Send email (V2)' activity. The activity is configured with the following parameters:

- To: letshuntakhil@gmail.com
- Advanced parameters: Showing 0 of 6
- Connected to pipeline success. [Change connection](#)

The 'Parameters' tab is selected, and the 'Run' button is highlighted with a green arrow.

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Logic app

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When a HTTP request is received

Send email (V2)

Parameters Settings Code View About

HTTP URL
URL will be generated after save

Method
Default (Allow All Methods)

Request Body JSON Schema

Use sample payload to generate schema

Activate Windows
Go to Settings to activate Windows.

Advanced parameters

Home > Microsoft.Web-LogicAppConsumption-Portal-b7c89529-abd1 | Overview > project-logicapps

project-logicapps | Logic app designer

Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer

Enter or paste a sample JSON payload.

```
1 {  
2   "status": "Successful",  
3   "PLName": "@{pipeline().Pipeline}",  
4   "ExecTime": "@{pipeline().TriggerTime}"  
5 }
```

Activate Windows
Go to Settings to activate Windows.

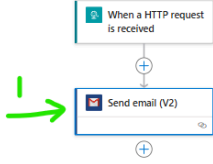
Done

Home > Microsoft.Web-LogicAppConsumption-Portal-b7c89529-abd1 | Overview > project-logicapps

project-logicapps | Logic app designer

Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer



1 →

Search

- ☐ CC
- ☐ BCC
- ☐ Importance
- ☒ Subject
- ☒ Body
- ☐ Attachments

Showing 0 of 6 Show all Clear all

Connected to pipeline success. [Change connection](#)

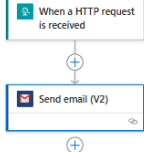
Activate Windows
Go to Settings to activate Windows.

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Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer



2 →

Send email (V2)

Parameters Settings Code View Testing About

Advanced parameters
Showing 2 of 6 Show all Clear all

Subject
Blob 2 azure SQL pipeline;

Body
Body of the outgoing email.

Connected to pipeline success. [Change connection](#)

Activate Windows
Go to Settings to activate Windows.

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Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer

When a HTTP request is received

Send email (V2)

Search

When a HTTP request is received

status

PLName

ExecTime

Send email (V2)

Parameters Settings Code View Testing About

Advanced parameters
Showing 2 of 6 Show all Clear all

Subject
Blob 2 azure SQL pipeline;

Body
Body of the outgoing email.

Activate Windows
Go to Settings to activate Windows.

Connected to pipeline success. Change connection

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Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer

When a HTTP request is received

Send email (V2)

Search

When a HTTP request is received

status

PLName

ExecTime

Send email (V2)

Parameters Settings Code View Testing About

Advanced parameters
Showing 2 of 6 Show all Clear all

Subject
Blob 2 azure SQL pipeline; PLName is

Body
Body of the outgoing email.

Activate Windows
Go to Settings to activate Windows.

Connected to pipeline success. Change connection

Enter the data from previous step. You can also add data by typing the '/' character.

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project-logicapps | Logic app designer

Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer

Send email (V2)

Parameters Settings Code View Testing About

Advanced parameters
Showing 2 of 6 Show all Clear all

Subject
Blob 2 azure SQL pipeline.; PLName x is

Body
Body of the outgoing email.

Connected to pipeline success. [Change connection](#) to Settings to activate Windows.

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project-logicapps | Logic app designer

Logic app

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer

Send email (V2)

Parameters Settings Code View Testing About

Advanced parameters
Showing 2 of 6 Show all Clear all

Subject
Blob 2 azure SQL pipeline.; PLName x is status x

Body
Hi Team,
The pipeline: PLName is status executed
Here are the pipeline details
pipeline name: PLName x
pipeline execution time: ExecTime x
Thanks,
Akhil
Importance --> High

Activate Windows
Go to Settings to activate Windows.

Data Factory Validate all Publish all Preview experience Off

logicapps_PL

Activities

Copy data Copy data1

Web successMessage

Properties

General Related

Name *
logicapps_PL

Description

The screenshot shows the Azure Data Factory (ADF) interface. On the left, the 'Activities' pane lists 'Copy data', 'Web', 'WebHook', and 'Power Query'. The main canvas shows a pipeline named 'logicapps_PL' with a 'Copy data' activity connected to a 'Web' activity. The 'Web' activity is configured with the following settings:

- URL: `https://prod-72.eastus.logic.azure.com/4...`
- Method: `POST`
- Body: `{ "status": "Successful", "PLName": "@..." }`
- Authentication: `None`

The 'Pipeline run' panel on the right shows a warning: 'Trigger pipeline now using last published configuration.' Below this, the 'Parameters' table is empty, indicating 'No records found'. At the bottom of the panel, there is an 'OK' button with a green arrow pointing to it, and a 'Cancel' button.

The screenshot shows an email from **letshuntakhil@gmail.com** with the subject **Blob 2 azure SQL pipeline : logicapps_PL is Successful**. The email is dated **3:48 AM (0 minutes ago)**. The body of the email contains the following text:

Hi Team,

The pipeline : PLName is status executed

Here are the pipeline details

pipeline name : logicapps_PL

pipeline execution time : 2024-06-01T22:17:51.0687357Z

Thanks,

Akhil

Importance --> High

Now let's do it for failure.

Microsoft Power Automate interface showing a workflow named "logicapps_PL" in the "outputdata" environment. The workflow includes a "Copy data" activity (labeled 1) and two "Web" activities: "successMessage" and "FailureMessage" (labeled 2). A green arrow points from the "Copy data" activity to the "FailureMessage" activity. The "FailureMessage" activity properties are shown in the bottom pane (labeled 3), including Name, Description, and Activity state (Activated).

Microsoft Logic App Designer interface showing a workflow named "project-logicapps" in the "Logic app" environment. The workflow includes a "When a HTTP request is received" trigger (labeled 1) and a "Send email (V2)" action (labeled 2). The "When a HTTP request is received" trigger properties are shown in the right pane, including HTTP URL, Method, and Request Body JSON Schema.

Data Factory | Validate all | Publish all

Logicapps_PL | outputdata

Activities

- General
- Web
- WebHook
- Power Query

Copy data1

Web

FailureMessage

General Settings User properties

URL: <https://prod-72.eastus.logic.azure.com/4...>

Method: POST

Body: {"status": "Failed", "PLName": "@(pipeline...)"}@pip...

Authentication: None

Headers: + New

Advanced

Pipeline expression builder

Add dynamic content below using any combination of expressions, functions and system variables.

```
{
  "status": "Failed",
  "PLName": "@(pipeline().Pipeline)",
  "ExecTime": "@(pipeline().TriggerTime)",
  "Error": "@(activity('Copy data1').output.Error[0].Message)"
}
```

Clear contents

Activity outputs Parameters System variables Functions Variables

Search

Copy data1
Copy data1 activity output
Copy data1
Copy data1 pipeline return value

OK Cancel

Activate Windows
Go to Settings to activate Windows.

Home > Microsoft.Web-LogicAppConsumption-Portal-b7c89529-abd1 | Overview > project-logicapps

project-logicapps | Logic app designer

Run Save Discard Parameters Code view Errors Info File a bug Enable Legacy Designer

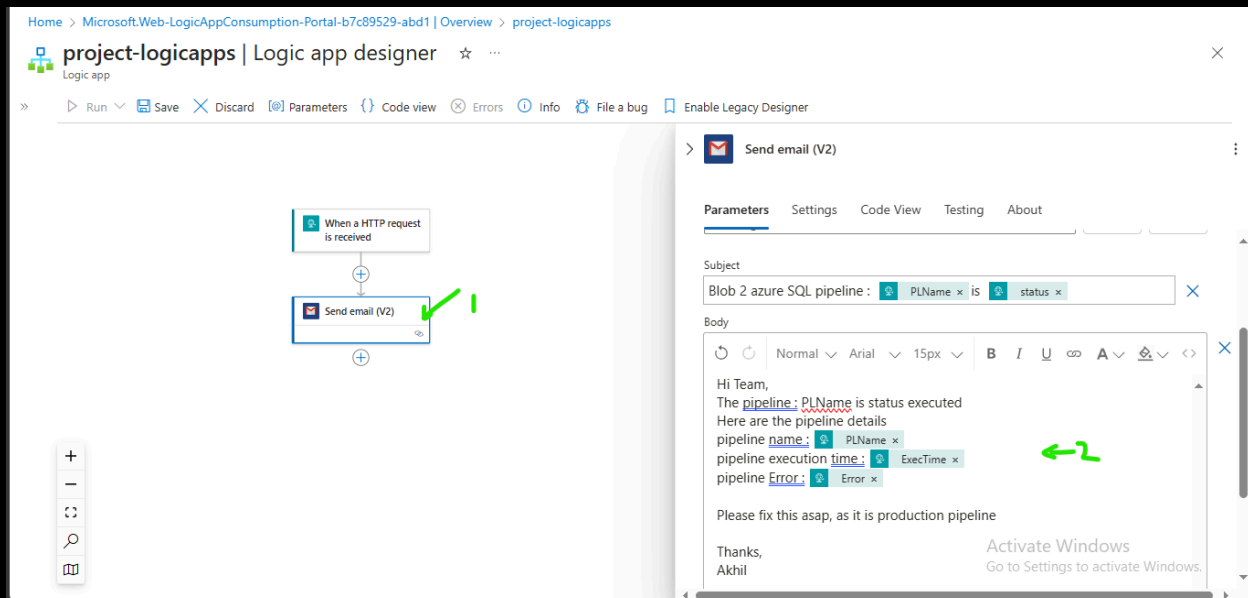
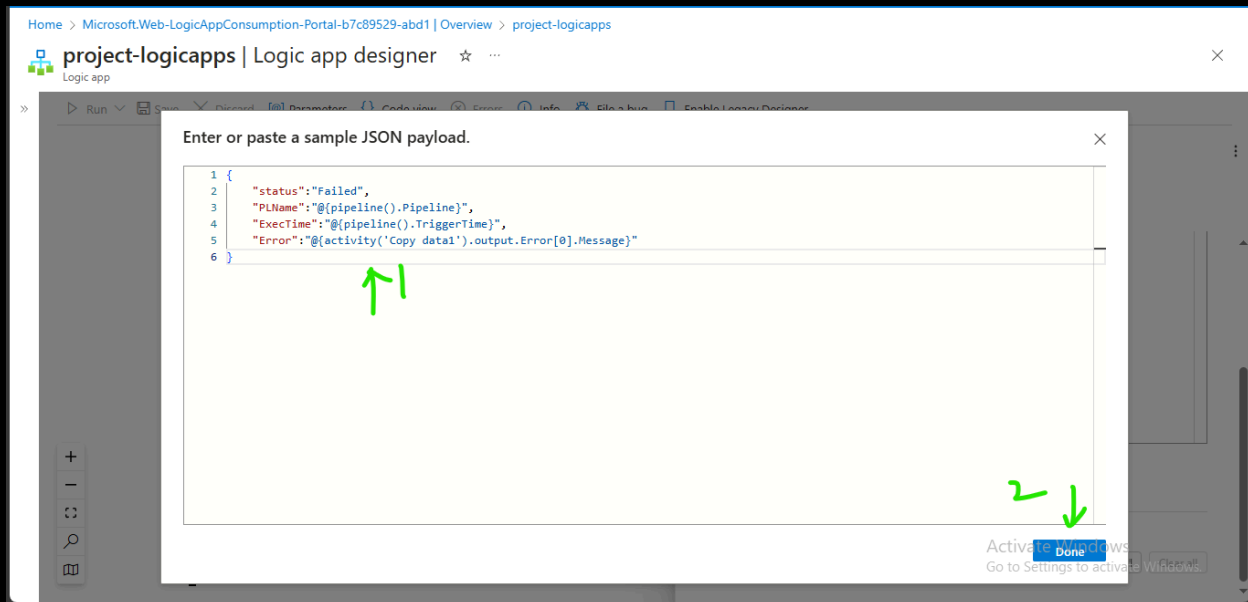
When a HTTP request is received

Send email (V2)

Parameters Settings Code View About

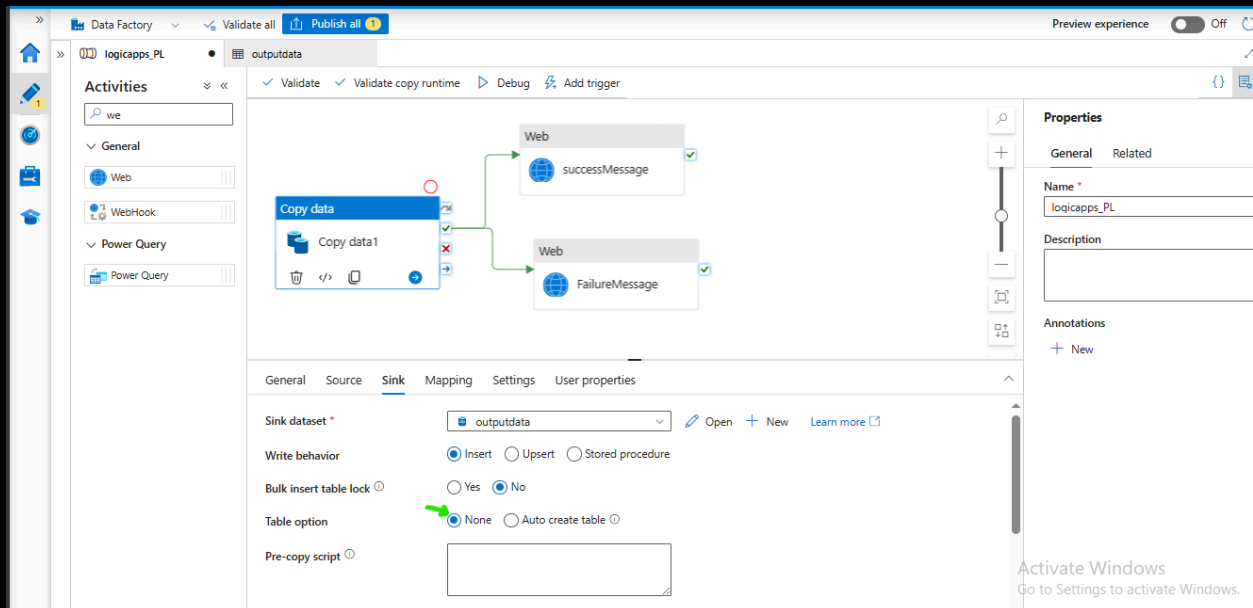
```
{
  "status": {
    "type": "string"
  },
  "PLName": {
    "type": "string"
  },
  "ExecTime": {
    "type": "string"
  }
}
```

2 → Use sample payload to generate schema

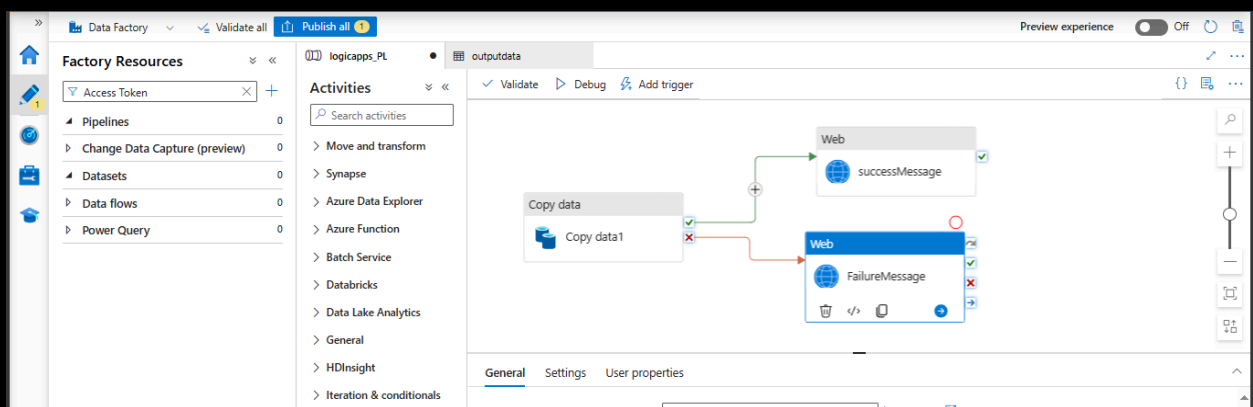


Save the logicapp workflow

Let's explicitly make an error by giving the wrong table name in sink, so that we can get a failure message.



The arrow mark should be on failure.



Providing wrong table name as elecstore, but the existing table name elecstore_TB
 Publish all → publish
 Add Trigger → Trigger now

»

«

Home

Dashboard

Runs

Pipeline runs

Trigger runs

Change Data Capture (previ...

Runtimes & sessions

Integration runtimes

Data flow debug

Notifications

Alerts & metrics

All pipeline runs > ✖ logicapps_PL - Activity runs

Rerun

Cancel

Refresh

Update pipeline

List

Gantt

Web

successMessage

Copy data

Copy data1

Web

FailureMessage

Activity runs

Pipeline run ID 01d2455e-a226-4328-9b0e-f3d9dceb0b04

All status

Monitor in Azure Metrics

Export to CSV

Showing 1 - 2 items

Activity name	Activity status	Activity type	Run start	Duration	Integration runtime	User properties	Activity run ID
FailureMessage	✖ Failed	Web	6/2/2024, 4:27:05 AM	Less than 1s	Unknown		e802963d-0e76-49d1-1
Copy data1	✖ Failed	Copy data	6/2/2024, 4:26:38 AM	26s	AutoResolveIntegration		fe68cce7-3521-4abf-85

Blob 2 azure SQL pipeline : logicapps_PL is Failed

Inbox x

11:41 AM (26 minutes ago)

☆

😊

↶

⋮

A

letshuntakhil@gmail.com

to me

Hi Team,

The pipeline : PLName is status executed

Here are the pipeline details

pipeline name : logicapps_PL

pipeline execution time : 2024-06-02T06:10:15.4942260Z

Pipeline Error : Failure happened on 'Sink' side. ErrorCode=SqlOperationFailed,'Type=Microsoft.DataTransfer.Common.Shared.HybridDeliveryException, Message=A database operation failed. Please search error to get more details.,Source=Microsoft.DataTransfer.ClientLibrary,"Type=System.InvalidOperationException,Message=Cannot access destination table '[elecstore]',,Source=System.Data,"Type=System.Data.SqlClient.SqlException, Message=Invalid object name 'elecstore',,Source=.Net SqlClient Data Provider,SqlErrorNumber=208,Class=16,ErrorCode=-2146232060,State=1,Errors=[{Class=16,Number=208,State=1,Message=Invalid object name 'elecstore',.}],'

Please fix this asap, as it's production pipeline

Regards,

Akhil

