Integrating Microsoft Teams as a Data Collector

Version 1.0

Overview

This guide will provide step-by-step instructions on how to set up a Microsoft Teams Workflow with Webhooks, enabling you to easily view Fabric Events and Metrics. You can use the URI in the following POST fabric/v4/streamSubscriptions request

```
curl -X POST
'https://api.equinix.com/fabric/v4/streamSubscriptions' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <bearer_token>' \
--data '{
    "type": "STREAM_SUBSCRIPTION",
    "name": "<teams_subscription_name>",
    "description": "<teams_subscription_desc>",
    "stream": {
        "uuid": "<stream_id>"
    },
    "sink": {
        "uri": "<teams_webhhook_uri",
        "type": "TEAMS"
    }
}'
```

Step-by-Step Instructions

1. Create a Microsoft Teams' Channel

- Log in to your Microsoft Teams, navigate to **Create and join teams and channel**.
- Create a **Channel** under the desired **Teams** for Equinix Observability to send Events and Metrics. This step assumes that a **Teams** exist or is created.

1.1 Select a Team

- **Add the channel to a team:** Select a team to add the channel under.

1.2 Provide a Name for the Channel

- **Channel Name:** Provide a name to identify the channel.

1.3 Provide a Description for the Channel

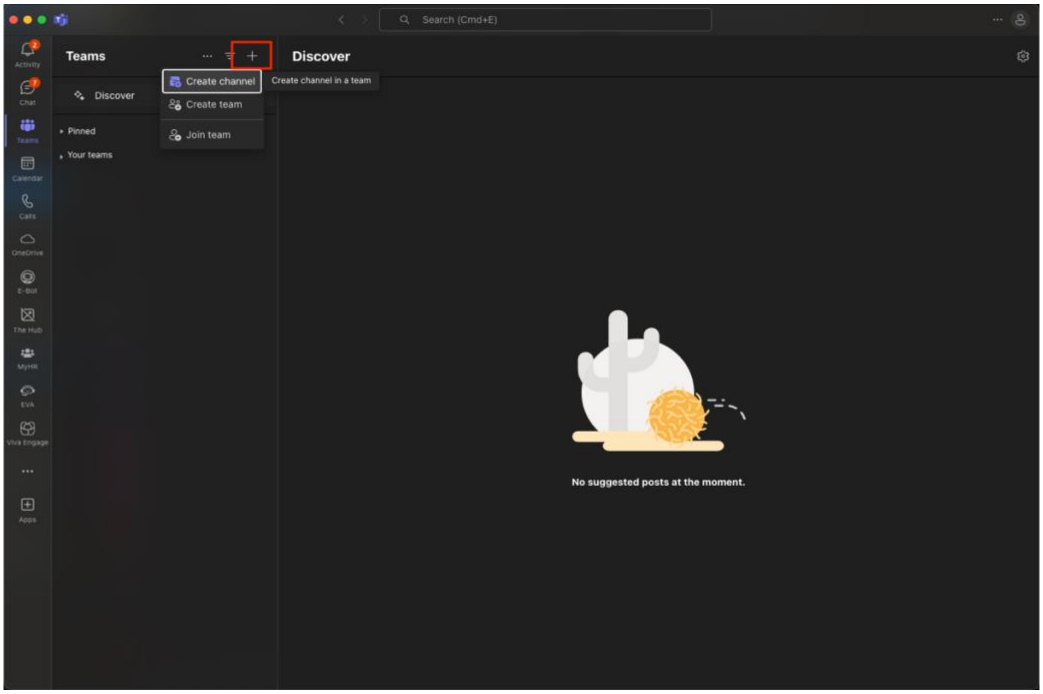
- **Description:** Provide a description to identify the channel.

1.4 Select Channel Policy Type

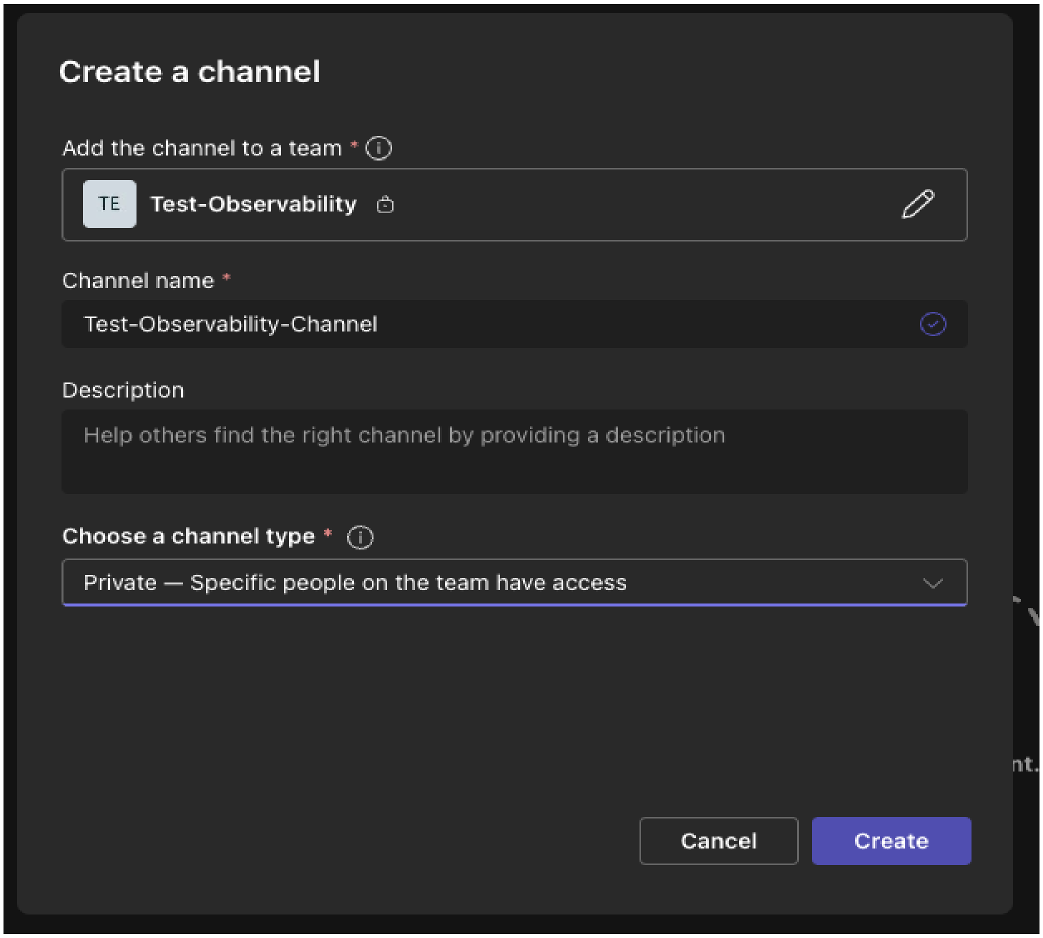
- **Choose a channel type:** Select Policy type for the channel with Standard, Shared or Private.

Refer to Microsoft Teams Channel Policies Documentation: https://learn.microsoft.com/en-us/microsoftteams/teams-policies.

- Click **Create** to continue.



No suggested posts at the moment.



Create a channel

Add the channel to a team * ⓘ

TE Test-Observability

Channel name *

Test-Observability-Channel

Description

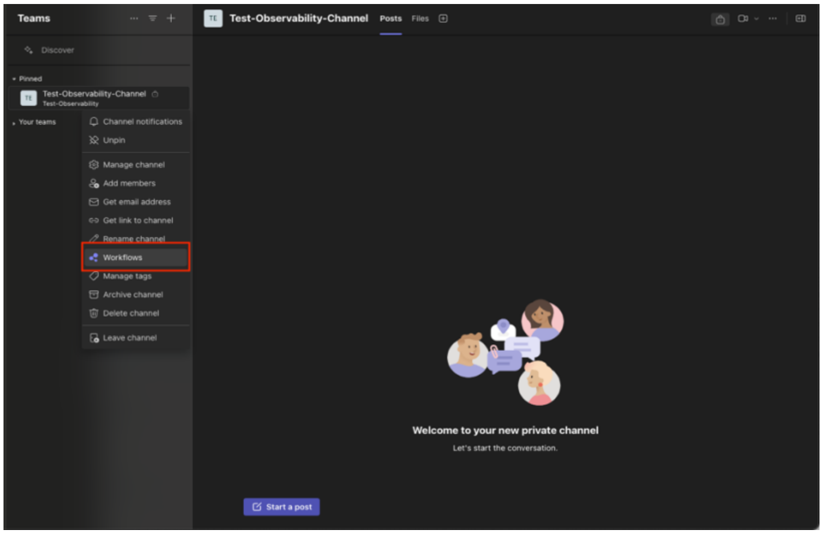
Help others find the right channel by providing a description

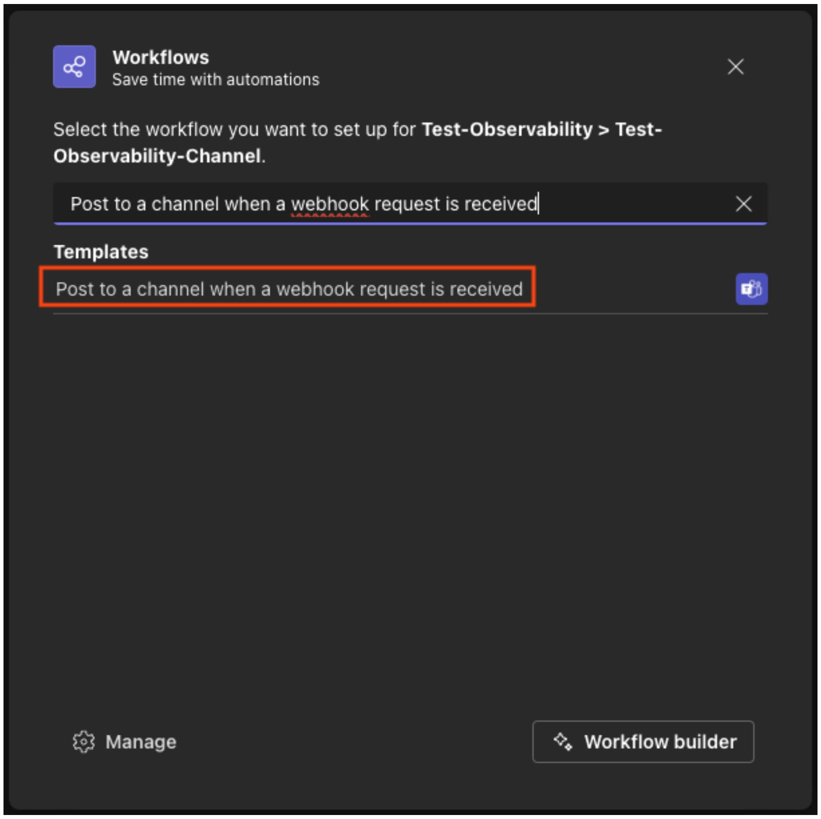
Choose a channel type * ⓘ

Private — Specific people on the team have access

2. Create a Microsoft Workflow for Webhooks

- Under the Channel created, select **Workflows** in the dropdown menu.
- In the Workflow, click search for “**Post to a channel when a webhook request is received”.**
- Click “**Post to a channel when a webhook request is receive**d” under the Template Results.





Workflows
Save time with automations

Select the workflow you want to set up for **Test-Observability > Test-Observability-Channel**.

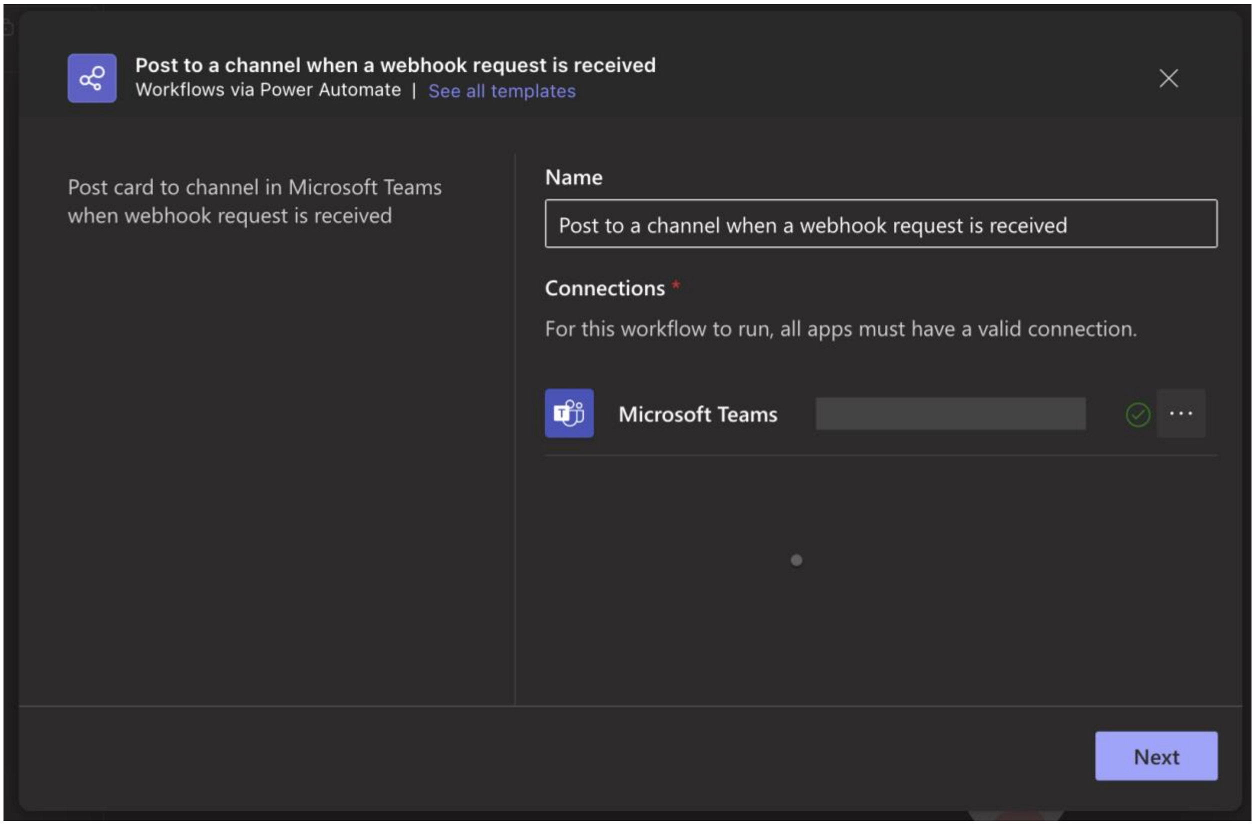
Post to a channel when a webhook request is received

Templates

Post to a channel when a webhook request is received

2.1 Provide a Name for the Microsoft Workflow’s Webhook

- **Name:** Provide a name or leave the default name for the Microsoft’s Webhook Workflow.
- Click **Next** to continue.



Post to a channel when a webhook request is received
Workflows via Power Automate | See all templates

Post card to channel in Microsoft Teams when webhook request is received

Name

Post to a channel when a webhook request is received

Connections *

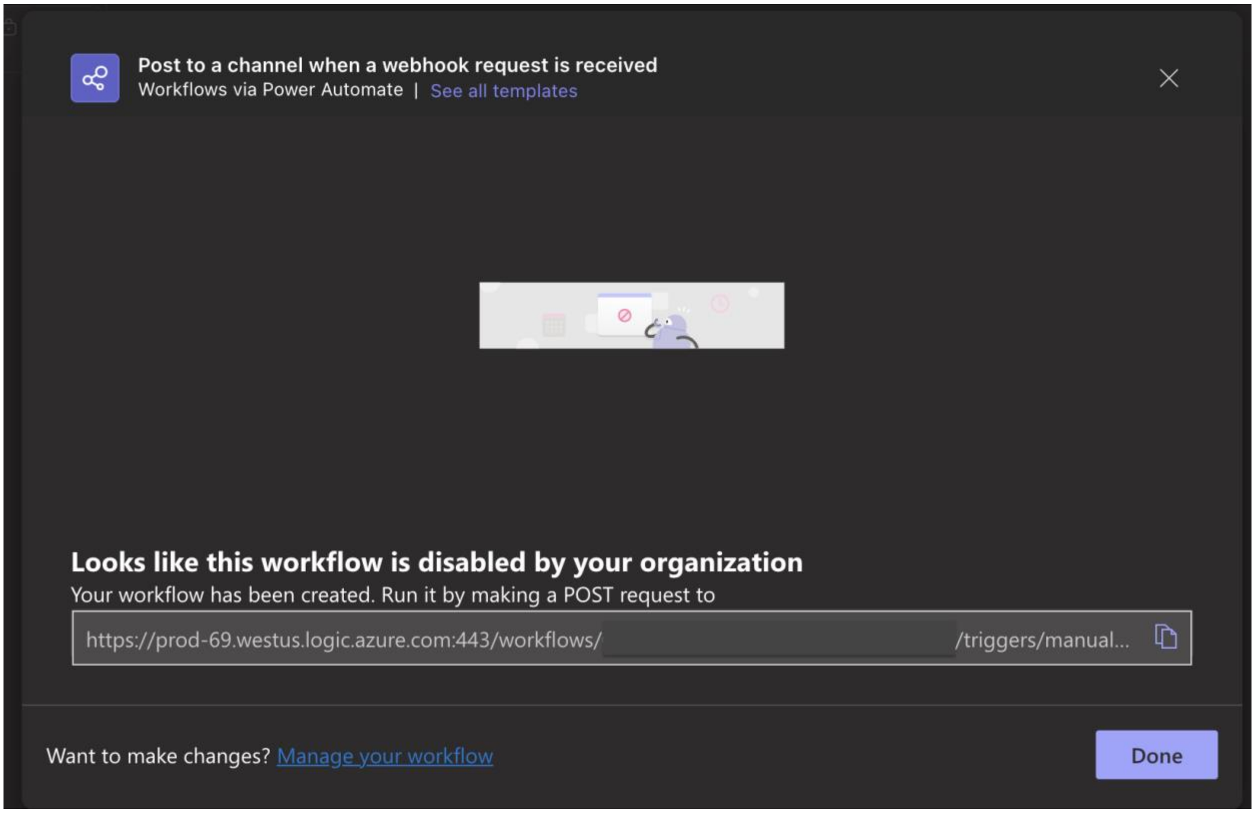
For this workflow to run, all apps must have a valid connection.

Microsoft Teams [redacted]

2.2 Confirm the Microsoft Workflow’s Webhook Created Successfully

- At the current step, Microsoft Workflow will create a URL.
- Click Done to complete the Workflow Creation.

Please note that your enterprise will need to enable Microsoft Workflows.



Post to a channel when a webhook request is received
Workflows via Power Automate | See all templates

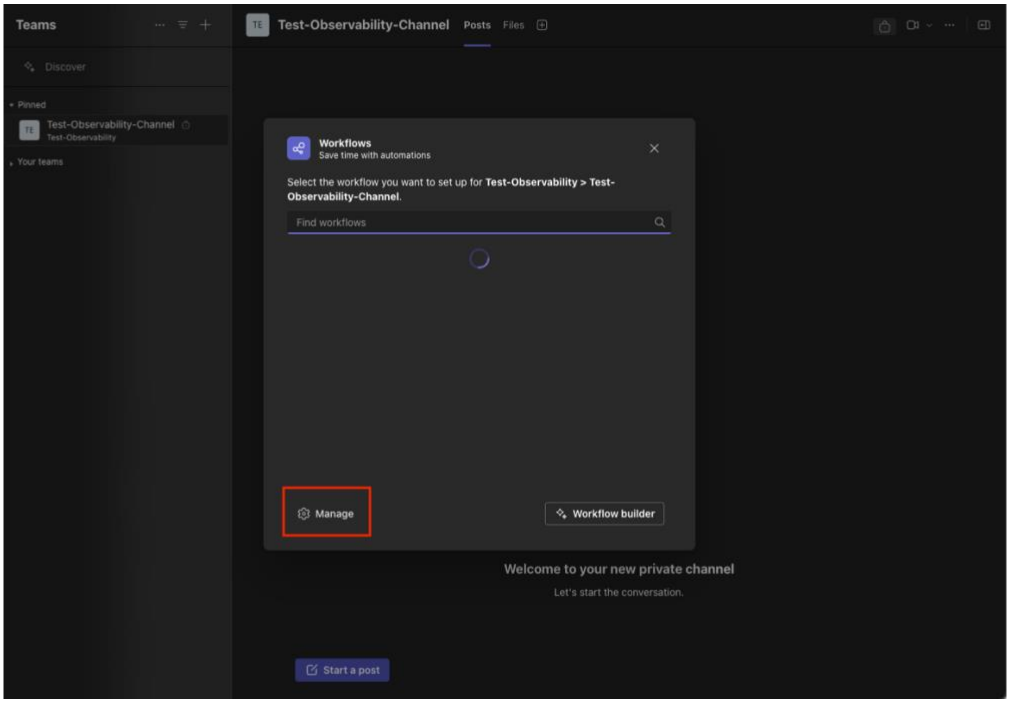
Looks like this workflow is disabled by your organization
Your workflow has been created. Run it by making a POST request to

https://prod-69.westus.logic.azure.com:443/workflows/[redacted]/triggers/manual...

Want to make changes? Manage your workflow

3. Configure the Workflow Webhook to Post Message to a Channel

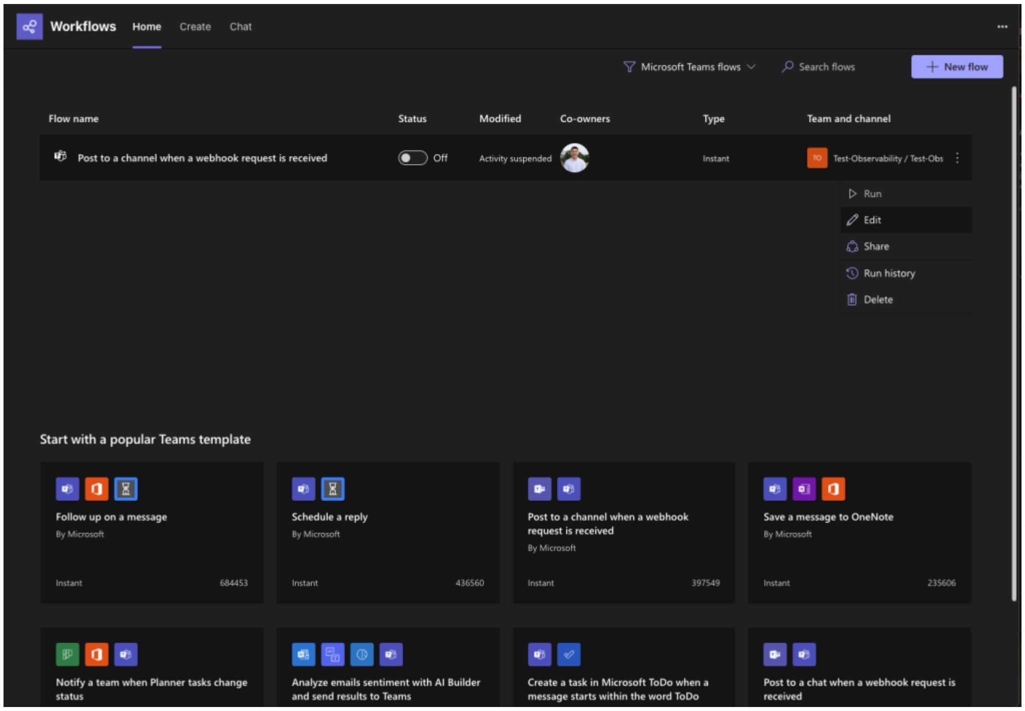
- Under the Channel created, select **Workflows** in the dropdown menu.
- Click **Manage.**
- Under the **Workflow** created, click **Edit** in the dropdown.



Select the workflow you want to set up for **Test-Observability > Test-Observability-Channel**.

Welcome to your new private channel

Let's start the conversation.



Workflows
Home
Create
Chat
Microsoft Teams flows
Search flows
New flow
Run
Edit
Share
Run history
Delete

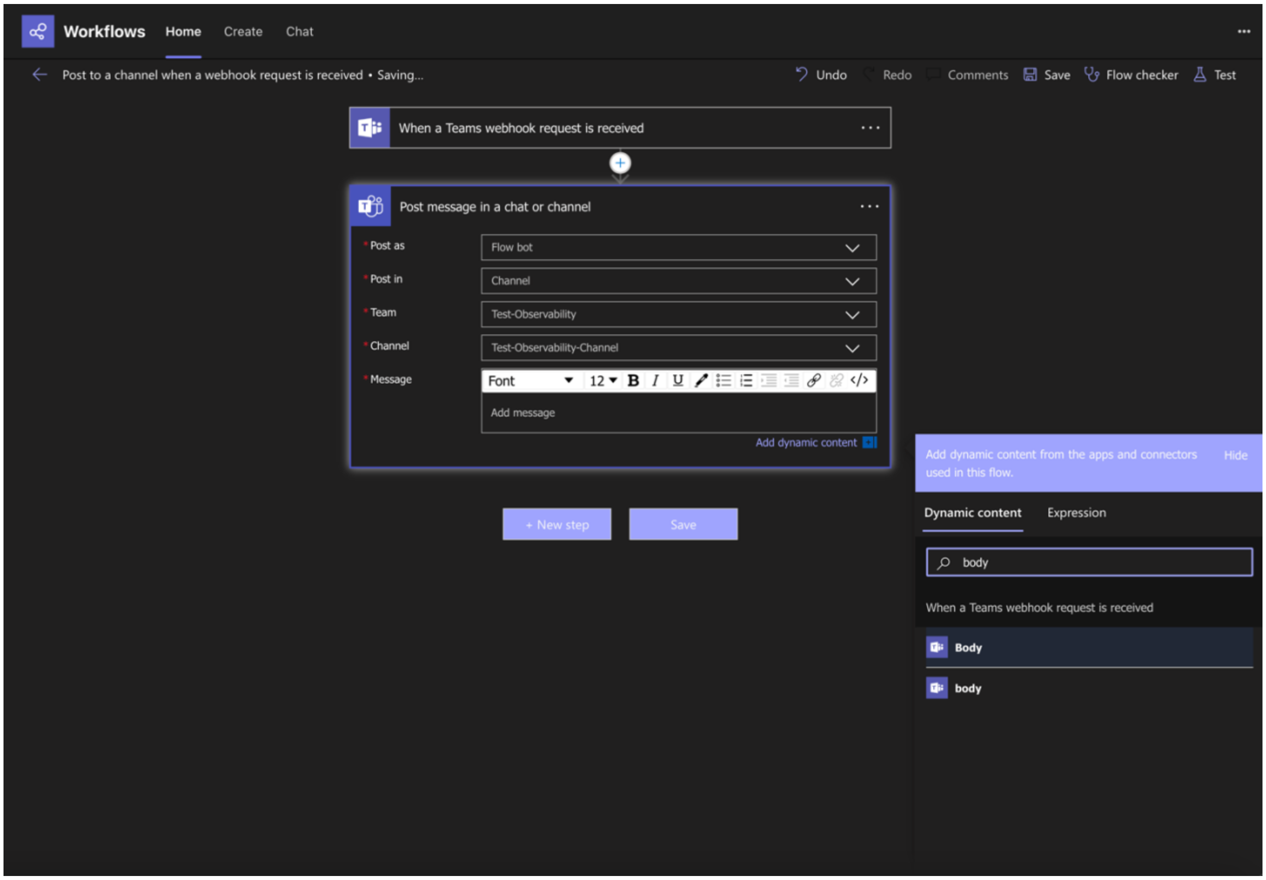
Flow name	Status	Modified	Co-owners	Type	Team and channel
Post to a channel when a webhook request is received	Off	Activity suspended		Instant	Test-Observability / Test-Obs

Start with a popular Teams template

Follow up on a message
By Microsoft
Instant
684453
Schedule a reply
By Microsoft
Instant
436560
Post to a channel when a webhook request is received
By Microsoft
Instant
397549
Save a message to OneNote
By Microsoft
Instant
235606
Notify a team when Planner tasks change status
Analyze emails sentiment with AI Builder and send results to Teams
Create a task in Microsoft ToDo when a message starts within the word ToDo
Post to a chat when a webhook request is received

3.1 Add Post message in a chat or channel Step to Workflow

- If necessary, remove any preconfigured Microsoft Workflow Steps added from the template and leave only the "**When a Teams webhook request is received" Step**.
- Click **+New step** Button**.**
- Select and configure **Post message in a chat or channel Step:**
  - **Post As:** Select **Flow bot.**
  - **Post In:** Select **Chanel.**
  - **Team:** Select the Team where you created a channel.
  - **Channel:** Select the Channel.
  - **Message:** Add Dynamic Content **body.**
- Click **Save.**



Post to a channel when a webhook request is received • Saving...

When a Teams webhook request is received

Post message in a chat or channel

* Post as: Flow bot

* Post in: Channel

* Team: Test-Observability

* Channel: Test-Observability-Channel

* Message: Add message

Add dynamic content

Add dynamic content from the apps and connectors used in this flow.

body

When a Teams webhook request is received

Body

body

4. Save the Microsoft Workflow URI

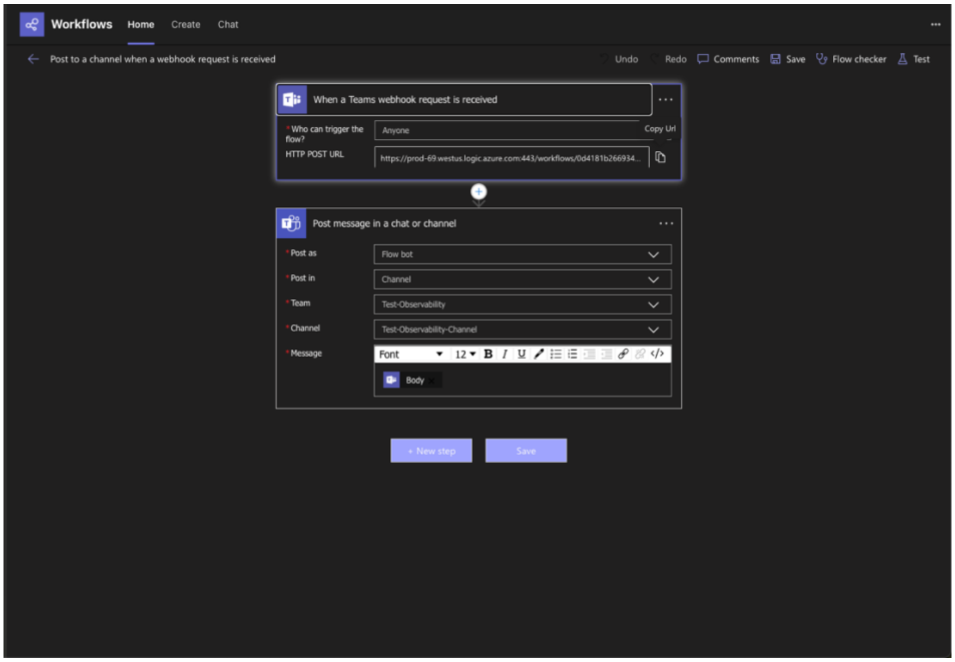
- Ensure that the Microsoft Workflow Webhook HTTP POST URL generated during this process are saved securely. The URL are required for further integration or data ingestion processes.

4.1 Copy the API and Application Keys

- Once the setup is complete, a URL value will be generated.
- **Copy the URL** to your clipboard, as it will be needed later for the POST streamSubscription API in Stream Observability.

4.2 Start receiving Fabric Events and Metrics in Mic.

- Navigate to **Metrics Explorer** and search the Fabric Metrics for Observability.



Post to a channel when a webhook request is received

When a Teams webhook request is received

* Who can trigger the flow? Anyone

HTTP POST URL https://prod-69.westus.logic.azure.com:443/workflows/0d4181b266934...

Copy Url

Post message in a chat or channel

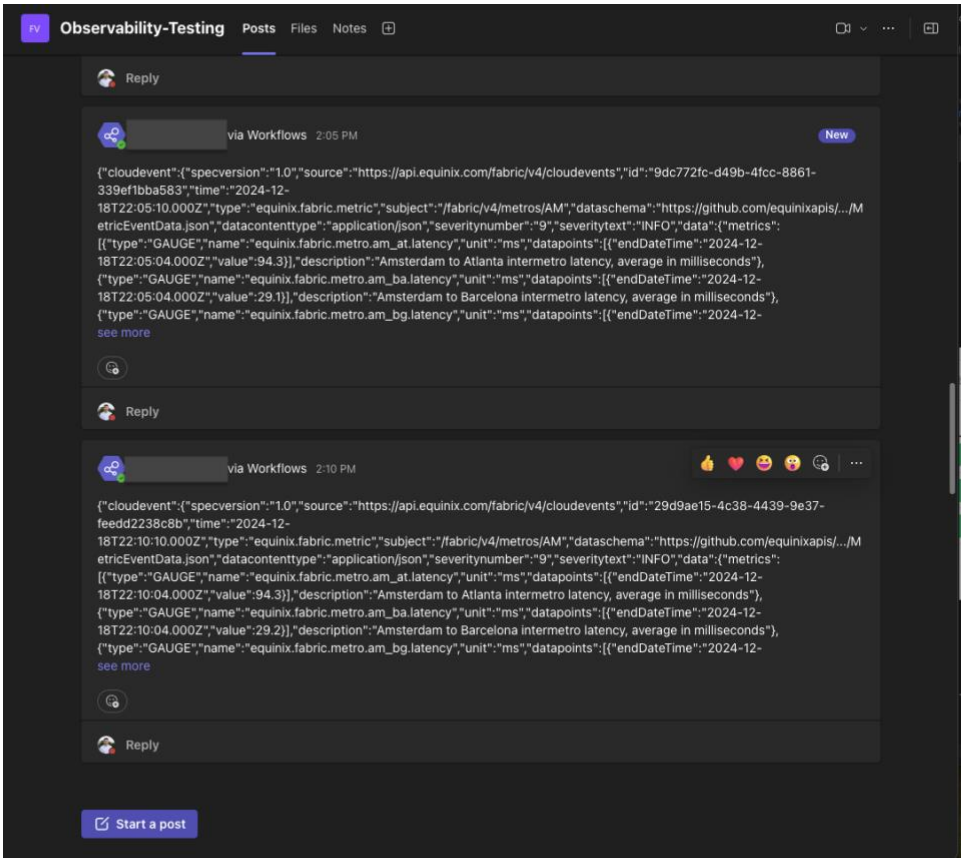
* Post as: Flow bot

* Post in: Channel

* Team: Test-Observability

* Channel: Test-Observability-Channel

* Message: Font 12 Body



[redacted] via Workflows 2:05 PM

```
{"cloudevent":{"specversion":"1.0","source":"https://api.equinix.com/fabric/v4/cloudevents","id":"9dc772fc-d49b-4fcc-8861-
339ef1bba583","time":"2024-12-
18T22:05:10.000Z","type":"equinix.fabric.metric","subject":"/fabric/v4/metros/AM","dataschema":"https://github.com/equinixapis/.../M
etricEventData.json","datacontenttype":"application/json","severitynumber":"9","severitytext":"INFO","data":{"metrics":
[{"type":"GAUGE","name":"equinix.fabric.metro.am_at.latency","unit":"ms","datapoints":[{"endDateTime":"2024-12-
18T22:05:04.000Z","value":94.3}],"description":"Amsterdam to Atlanta intermetro latency, average in milliseconds"},
{"type":"GAUGE","name":"equinix.fabric.metro.am_ba.latency","unit":"ms","datapoints":[{"endDateTime":"2024-12-
18T22:05:04.000Z","value":29.1}],"description":"Amsterdam to Barcelona intermetro latency, average in milliseconds"},
{"type":"GAUGE","name":"equinix.fabric.metro.am_bg.latency","unit":"ms","datapoints":[{"endDateTime":"2024-12-
```

[redacted] via Workflows 2:10 PM

```
{"cloudevent":{"specversion":"1.0","source":"https://api.equinix.com/fabric/v4/cloudevents","id":"29d9ae15-4c38-4439-9e37-
feedd2238c8b","time":"2024-12-
18T22:10:10.000Z","type":"equinix.fabric.metric","subject":"/fabric/v4/metros/AM","dataschema":"https://github.com/equinixapis/.../M
etricEventData.json","datacontenttype":"application/json","severitynumber":"9","severitytext":"INFO","data":{"metrics":
[{"type":"GAUGE","name":"equinix.fabric.metro.am_at.latency","unit":"ms","datapoints":[{"endDateTime":"2024-12-
18T22:10:04.000Z","value":94.3}],"description":"Amsterdam to Atlanta intermetro latency, average in milliseconds"},
{"type":"GAUGE","name":"equinix.fabric.metro.am_ba.latency","unit":"ms","datapoints":[{"endDateTime":"2024-12-
18T22:10:04.000Z","value":29.2}],"description":"Amsterdam to Barcelona intermetro latency, average in milliseconds"},
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```