

Lab 3. Flow Notifications and Conditions

Author: Serge Luca, aka "Doctor Flow"

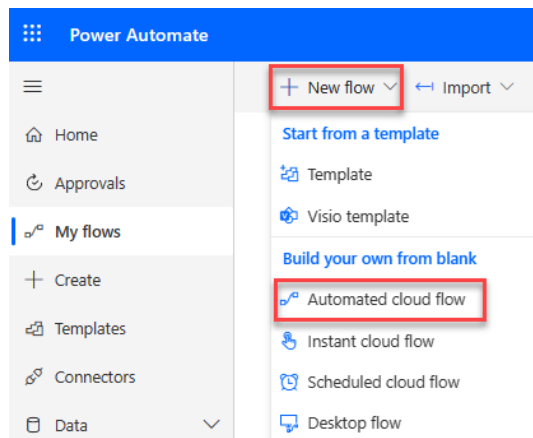
Learning objectives: Notifications and conditions

Duration: 20 minutes


Scenario: You have set an Out of Office notification in your e-mail box. In the Out of Office message, you will mention that if the message is urgent, people can send an e-mail containing just one exclamation point '!'. You also want to get a mobile notification when such a message shows up.

Task 3.1: Create and test a notification flow



1. If you haven't done so, install the **Microsoft Power Automate** application on your phone and enable notifications.
2. Create a new Flow from scratch; the flow should start when your mailbox receives a new e-mail, so it must be an automated cloud flow:



3. Name the flow **important e-mail** and select the trigger **When a new e-mail arrives (v3) Office 365 Outlook**. At the time of writing, the latest version of the trigger is v3; use the most recent version if there is one. Your flow should look like this.





When a new email arrives (V3)

Folder

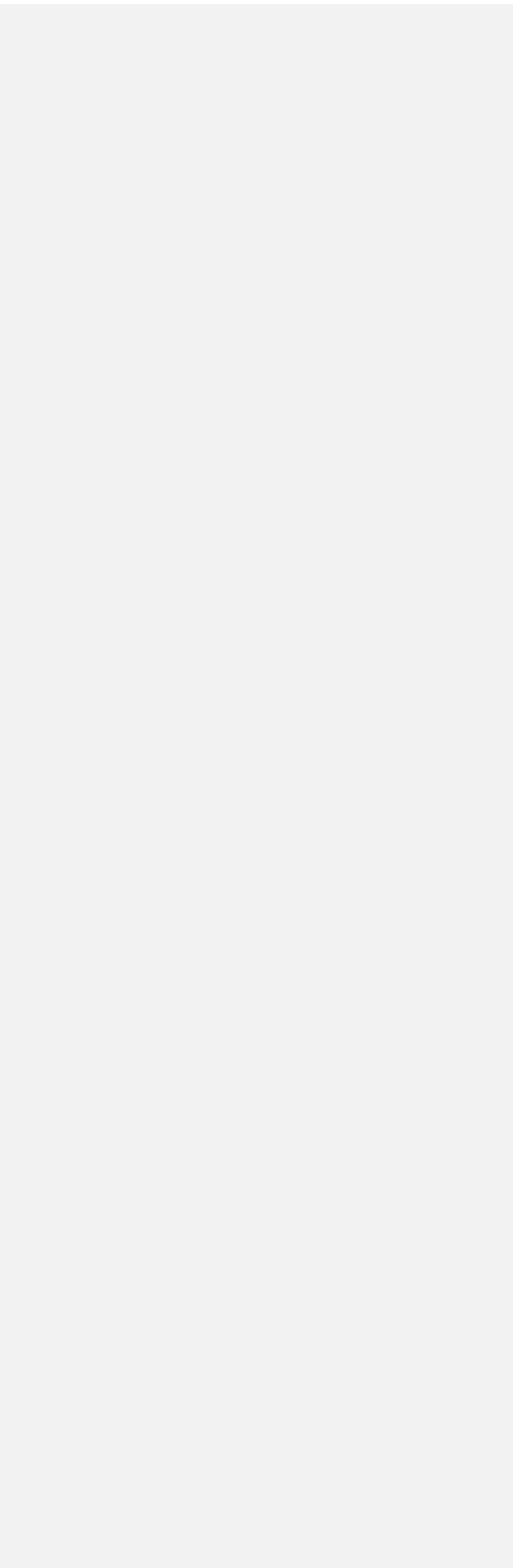
Inbox



Show advanced options 

+ New step

Save



4. Add a condition to check if the mail subject contains !
- Between the **trigger** and the **Send** action, add a **Condition control**.
 - On the left, **Choose a value** text box, and use the **Dynamic content** tab to select **subject** from the trigger.
 - In the middle text box, select the **contains** operation.
 - On the right, **Choose a value** text box, and type **!**

Commented [A1]: Todo: use filter and/or conditional trigger

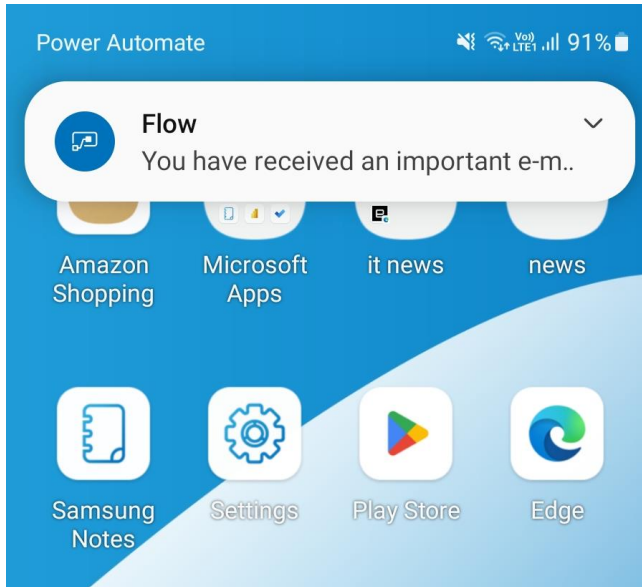
The screenshot shows the Power Automate flow editor. The first step is a trigger labeled "When a new email arrives (V3)". Below it is a condition step labeled "Condition". The condition is configured with three parts: "Subject" (selected from the dynamic content tab), "contains" (selected from the operation dropdown), and "!" (typed into the rightmost text box). There is a "+ Add" button below the condition configuration.

- e. Update the **If yes** condition by moving the **send me a mobile notification** action into it:

The screenshot shows the Power Automate flow editor with the same trigger and condition as before. Below the condition, there are two branches: "If yes" (green background) and "If no" (red background). The "If yes" branch contains an action labeled "Send me a mobile notification". This action has three input fields: "Text" with the value "You have received an important e-mail!", "Link" with the value "Include a link in the notification", and "Link label" with the value "The display name for the link". The "If no" branch is currently empty.




5. Test the flow by sending an e-mail to yourself with the subject **You won the lottery!**
You get a phone notification that looks like this (in Android)





Note: When using your Flow mobile application, you may be prompted to enable notifications.




Task 3.2: Filter the trigger

1. The condition can be avoided by filtering the e-mails directly in the trigger. Click the trigger and **add !** in the **Subject Filter**

 When a new email arrives (V3)  

| | |
|-----------------------|--|
| Folder | <input type="text" value="Inbox"/>  |
| To | <input type="text" value="Recipient email addresses separated by semicolons (If any match, the"/> |
| CC | <input type="text" value="CC recipient email addresses separated by semicolons (If any match,"/> |
| To or CC | <input type="text" value="To or CC recipient email addresses separated by semicolons (If any m"/> |
| From | <input type="text" value="Sender email addresses separated by semicolons (If any match, the ti"/> |
| Include Attachments | <input type="text" value="No"/>  |
| Subject Filter | <input type="text" value="!"/> |
| Importance | <input type="text" value="Any"/>  |
| Only with Attachments | <input type="text" value="No"/>  |

[Hide advanced options](#) 

2. You can remove the condition and test again. Your flow will look like this:

When a new email arrives (V3)

Folder:

To:

CC:

To or CC:

From:

Include Attachments:

Subject Filter:

Importance:

Only with Attachments:

[Hide advanced options](#)

Send me a mobile notification

*Text:

Link:

Link label:

This simplifies your flow; it is also essential to know that the number of flow steps your account can perform daily is limited. Preventing the flow from starting when it is unnecessary to optimize this as well.

3. You should know that more elaborate expressions can be defined in the trigger. In the trigger, click the Settings option:

When a new email arrives

Folder:

To:

Settings menu:

- Copy to my clipboard (Preview)
- Rename
- Add a comment
- Static result (Preview)
- Settings**

Settings for 'When a new email arrives'

Split On

Enable split-on to start an instance of the workflow per item in the selected array. Each instance can also have a distinct tracking id.

Split On

On

Array

Array

@triggerOutputs()?['body/value']

Split-On Tracking Id

Custom Tracking Id

Set the tracking id for the run. For split-on this tracking id is for the initiating request.

Tracking Id

Secure Inputs (Preview)

Secure inputs of the operation.

Secure Inputs

Off

Secure Outputs (Preview)

Secure outputs of the operation and references of output properties.

Secure Outputs

Off

Retry Policy

A retry policy applies to intermittent failures, characterized as HTTP status codes 408, 429, and 5xx, in addition to any connectivity exceptions. The default is an exponential interval policy set to retry 4 times.

Type

Concurrency Control

Limit number of concurrent runs of the flow, or leave it off to run as many as possible at the same time. Concurrency control changes the way new runs are queued. It cannot be undone once enabled.

Limit

Off

Trigger Conditions

Specify one or more expressions which must be true for the trigger to fire.

+ Add

Done

Cancel

- Click **Add**
- Paste the following expression in the trigger condition textbox
`@contains(triggerOutputs()?['body/subject'], '!')`

Settings for 'When a new email arrives'

Split On

Enable split-on to start an instance of the workflow per item in the selected array. Each instance can also have a distinct tracking id.

Split On ☒ On

Array

Array

@triggerOutputs()?['body/value']

Split-On Tracking Id

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Set the tracking id for the run. For split-on this tracking id is for the initiating request.

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Secure Inputs ☐ Off

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Limit number of concurrent runs of the flow, or leave it off to run as many as possible at the same time. Concurrency control changes the way new runs are queued. It cannot be undone once enabled.

Limit ☐ Off

Trigger Conditions

Specify one or more expressions which must be true for the trigger to fire.

@contains(triggerOutputs()?['body/subject'],'')

×

+ Add

Done

Cancel

(You will become more familiar with expressions in the following labs).

6. **Remove the Subject Filter** you defined before
7. **Save your flow** and test it again.
8. **If your test succeeds, don't forget to turn this flow off :**
 - a. Click the arrow:

Important e-mails

When a new email arrives (V3)

Folder:

Show advanced options ▾

Send me a mobile notification

*Text:

Link:

Link label:

b. On the flow pane, click the **Turn off** button:

Edit Share Save As Delete Send a copy Export Analytics **Turn off** Repair tips off

Flows > Important e-mails

Details [Edit](#)

| | |
|-------------------|--------------------------------|
| Flow | Status |
| Important e-mails | On |
| Owner | Created |
| serge Luca | Feb 14, 02:28 PM |
| | Modified |
| | Feb 28, 10:19 AM |
| | Type |
| | Automated |
| | Plan |
| | This flow runs on owner's plan |

We need your feedback

Do you want to report an issue or suggest something? We need your feedback:

<https://github.com/Power-Automate-in-a-day/Training-by-the-community/issues>