Lab 3. Flow Notifications and Conditions

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**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:
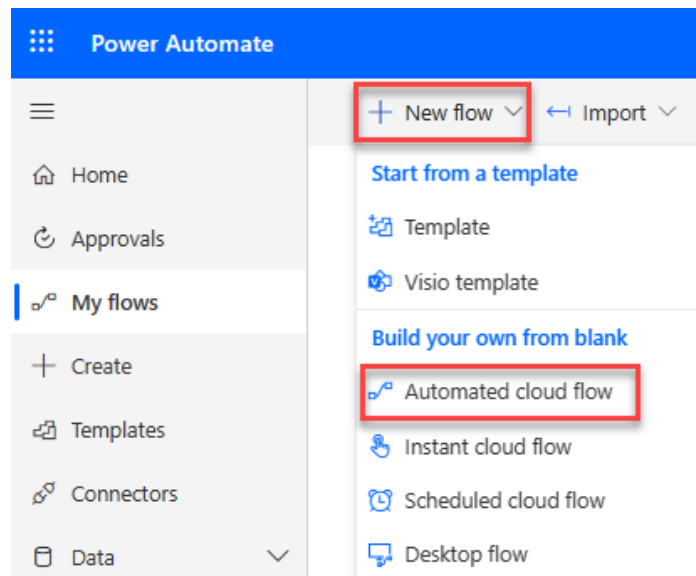
3. Name the flow **important e-mail** and select the trigger **When a new e-mail arrives (v3) Office 365 Outlook**. At the time of writing, the latest version of the trigger is v3; use the most recent version if there is one. Your flow should look like this.
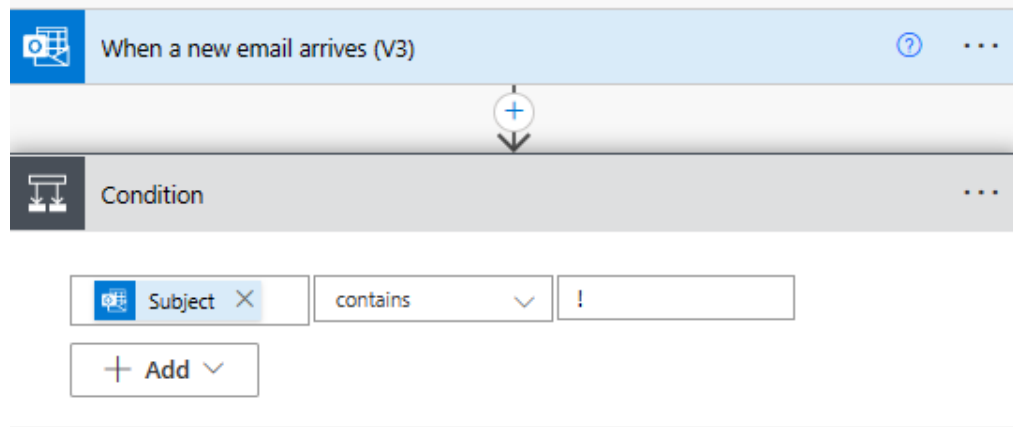
When a new email arrives (V3)

Folder	Inbox

Show advanced options ⌄

+ New step   **Save**

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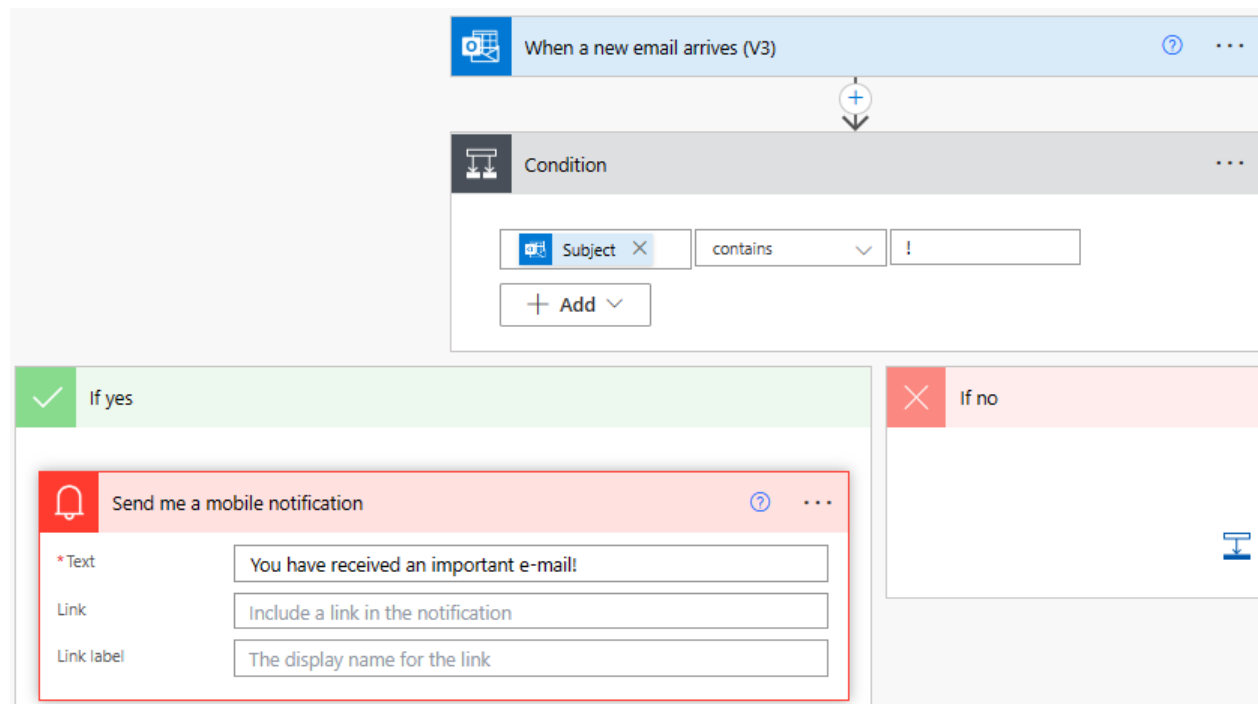   d. On the right, **Choose a value** text box, and type **!**

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

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.
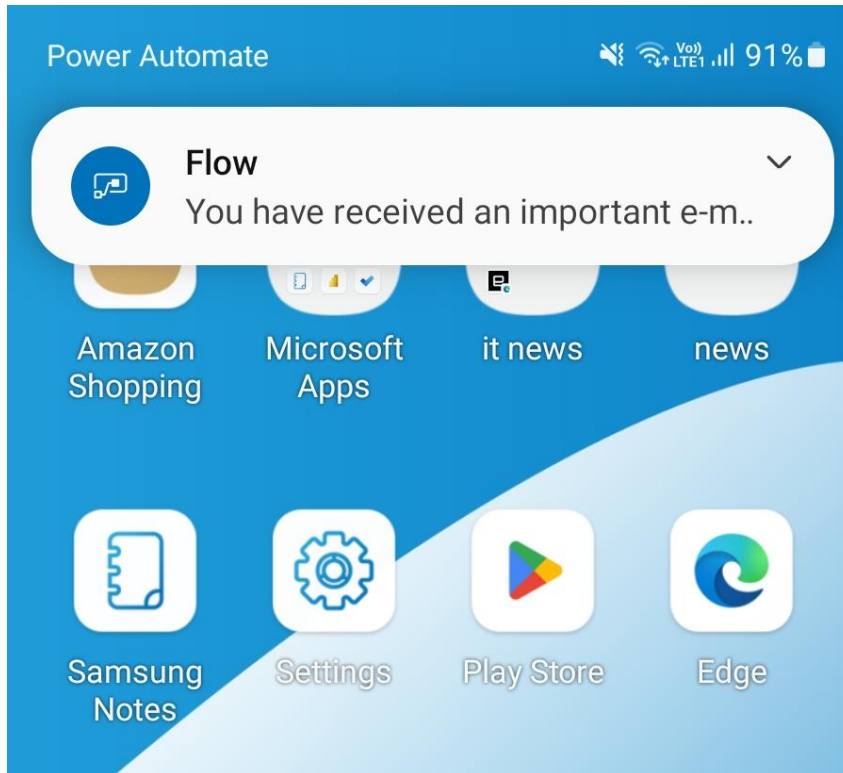
Task 3.2: Filter the trigger

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

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

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:

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]

4. Click **Add**
5. 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

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.

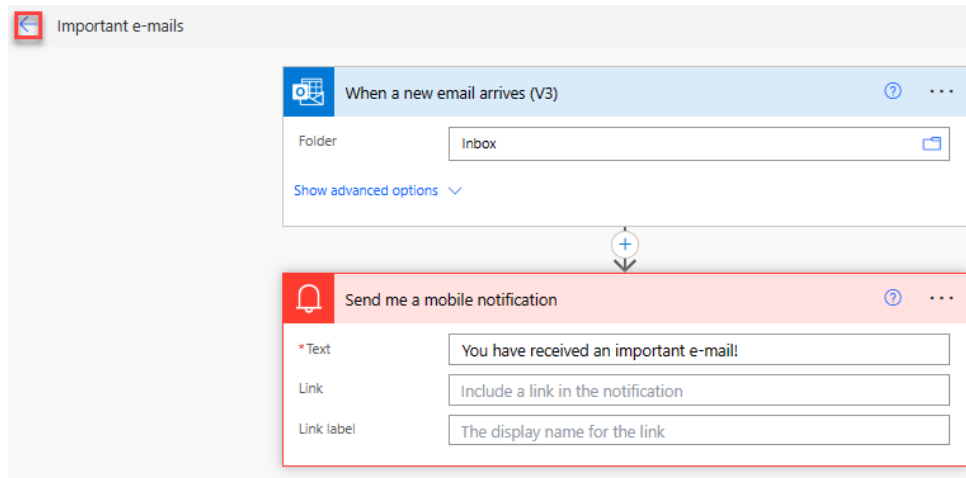@contains(triggerOutputs()?['body/subject'],'!')
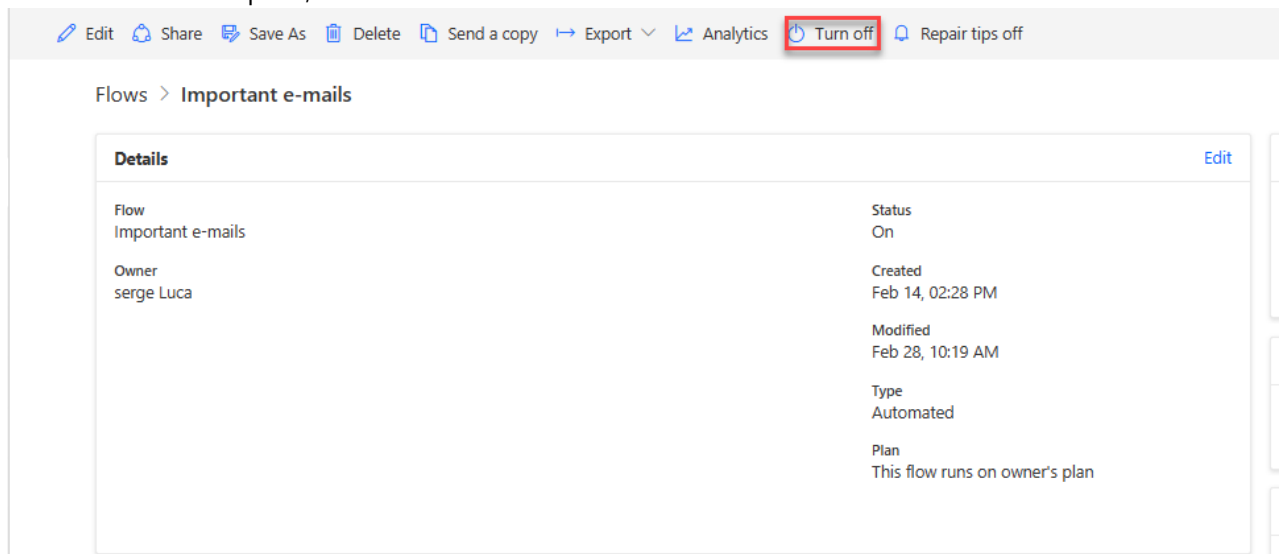
+ Add

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:

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

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