

Lab 3. Flow Notifications and Conditions

Author: Serge Luca aka "Doctor Flow"

Learning objectives: Notifications and conditions

Duration: 20 minutes

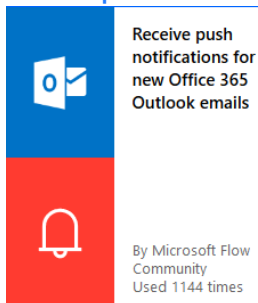
Scenario: You have set an Out of Office notification in your e-mail box. In the Out of Office message, you will mention that if the message is urgent, people can send an e-mail containing just one exclamation point '!'. You also want to get a mobile notification when such message shows-up.

If you want to take a look at the solution: navigate to the [Important e-mails notification template](#).

If you want to start the lab from scratch:

Task 3.1: Create and test a notification flow

1. If you haven't already done so install the **Microsoft Automate** application on your phone and enable notifications.
2. Create a new Flow from the template [Receive push notifications for new Office 365 Outlook emails](#).
 - a. **New > Create from template**
 - b. Search for [push notification outlook](#) and click the required template.

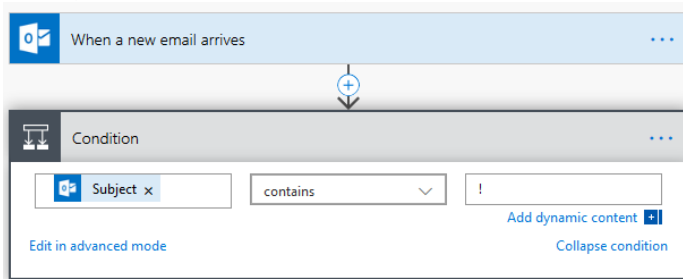


- c. Click **Continue**.

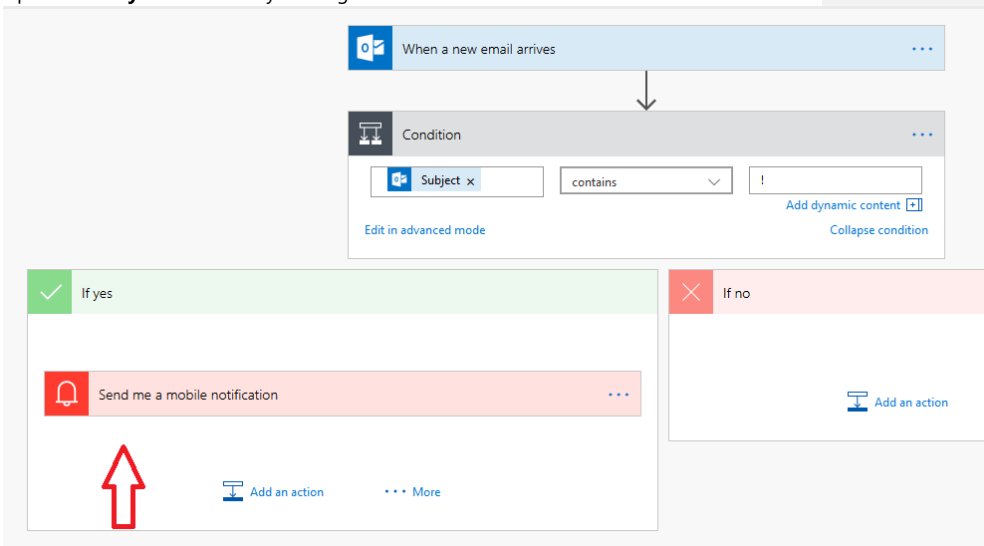
Note: If you have not created connections for Notifications, you will need to do so in order to provision the template.
- d. Save the flow as [Important e-mails notifications](#).

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

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

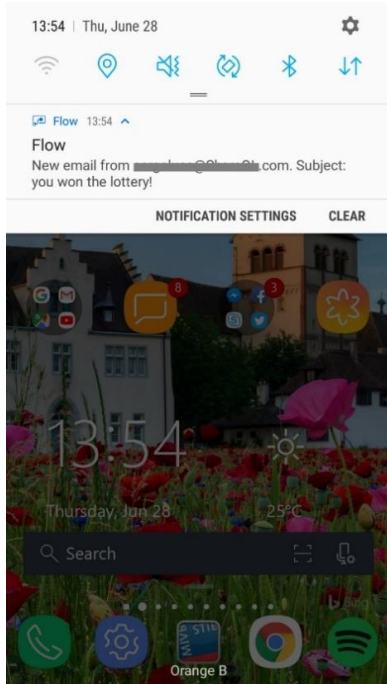


- e. Update the **If yes** condition by moving the notification action into it:



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

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



Task 3.12: Filter the trigger

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

The screenshot shows the configuration for a trigger named "When a new email arrives". The "Folder" is set to "Inbox". The "To" field contains the text "Recipient email addresses separated by semicolons (If any match, the trigger will run)". The "CC" field contains "CC recipient email addresses separated by semicolons (If any match, the trigger will run)". The "To or CC" field contains "To or CC recipient email addresses separated by semicolons (If any match, the trigger will r". The "From" field contains "Sender email addresses separated by semicolons (If any match, the trigger will run)". The "Importance" dropdown is set to "Any". The "Has Attachment" dropdown is set to "Should the email contain attachments.". The "Include Attachments" dropdown is set to "Should the response of the trigger include the attachments.". The "Subject Filter" field contains an exclamation mark "!". At the bottom, there is a link "Hide advanced options ^".

2. You can remove the Condition and test again.
3. You should now that more complex expression can be defined in the trigger. In the trigger click the Settings option:

This screenshot shows the same trigger configuration as the previous one, but with the "Settings" menu open. The menu is located on the right side of the configuration panel and includes the following options: "Copy to my clipboard (Preview)", "Rename", "Add a comment", "Static result (Preview)", and "Settings". The "Settings" option is highlighted with a red rectangle. The trigger configuration itself remains the same, with the "Subject Filter" field containing an exclamation mark.

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

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

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

6. **Remove the Subject Filter** you defined before
7. **Save your flow** and test it again

