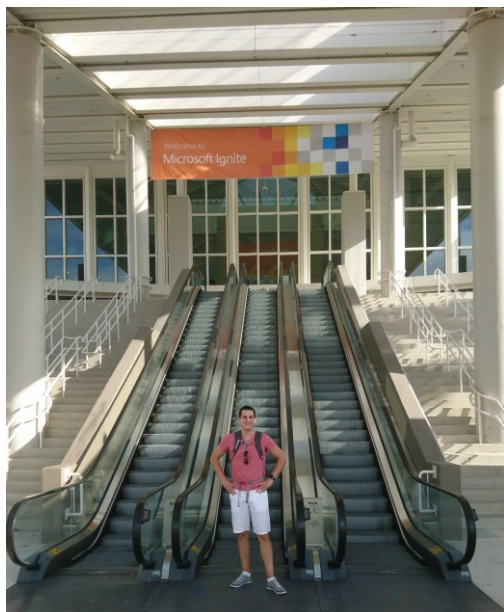




Flow Approvals op verschillende manieren

Over mij



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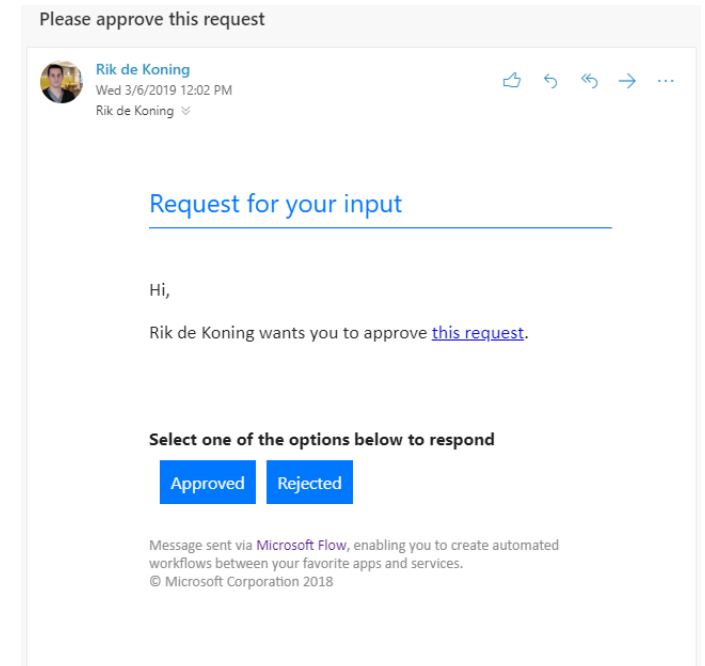


Agenda


- Mail with options
- Flow Approval
- Custom Actionable Message
- Samenvatting
- Q & A

Mail with options

- Via Send email with options actie
- Knoppen zelf te definiëren
- Eerste response bepaalt de uitkomst
- Wordt altijd verstuurd op naam van het account die gebruikt wordt voor de Outlook connection
- Geen commentaar mogelijk
- Delegatie mogelijk via doorsturen e-mail
- Compatibiliteit
 - Werkt in elke Outlook client
 - Werkt ook buiten de eigen tenant



Mail with options versturen

 Send email with options ...

*To

Subject


User Options

Header Text

Selection Text

Body Created By DisplayName x wants you to approve <a href='
 Link to item x '>this request.</p>"/>

Importance ▼

Attachments Name - 1 

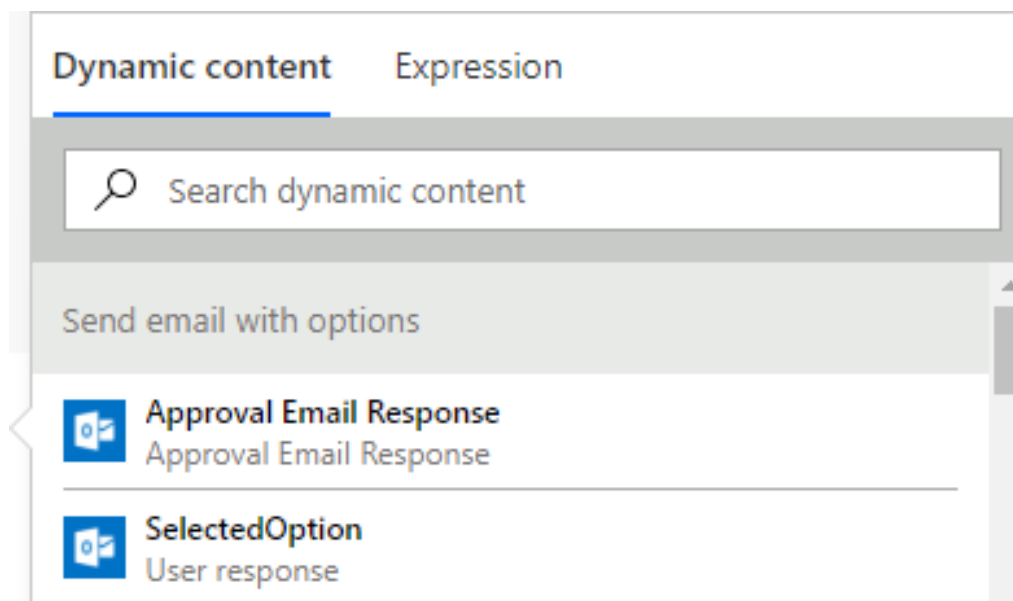
Attachments Content - 1

+ Add new item

Use only HTML message ▼

[Hide advanced options](#) ^

Mail with options verwerken

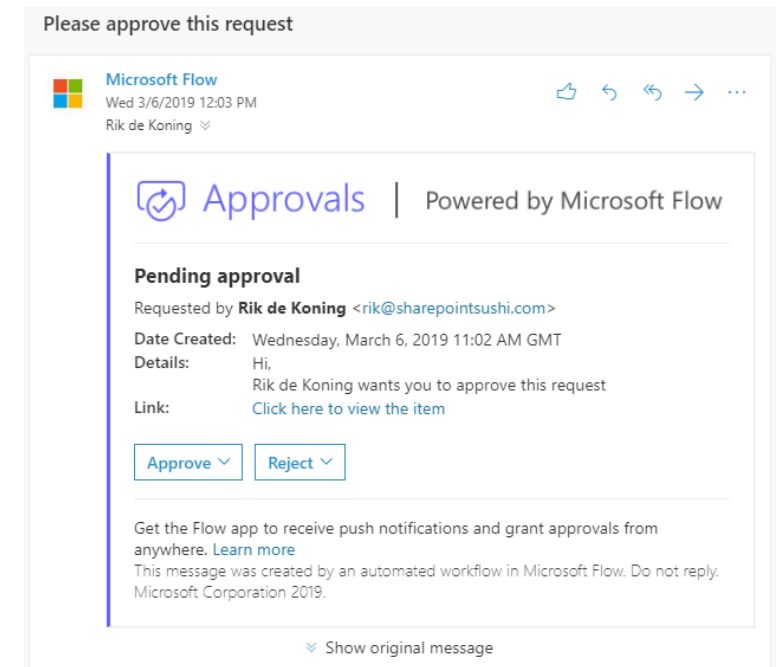





DEMO

Flow Approval

- Via Start an approval actie
- Voorgedefinieerd format
- Werkt met markdown i.p.v. HTML
- Commentaar mogelijk, maar niet verplicht
- Delegatie mogelijk (via Flow Portal)
- Afzender is Microsoft Flow
- Compatibiliteit
 - Werkt vanaf Outlook 2016 en Outlook Online, anders via Flow portal
 - Werkt alleen binnen eigen tenant



Approval versturen

 Start an approval ...

* Approval type

* Title

* Assigned to

Details

Item link

Item link description

Requestor

Enable notifications

[Hide advanced options ^](#)

Approval verwerken

Dynamic content Expression

Search dynamic content

Start an approval

- Approval ID**
The name of the approval
- Approver email**
The email address of the approver
- Approver ID**
The ID of the approver
- Approver name**
The name of the approver
- Approver tenant ID**
The tenant ID of the approver
- Approver user principal name**
The principal name of the approver

- Comments**
Comments added by the approver
- Details**
Additional details about the request
- Item link**
A link to the item to approve
- Item link description**
Description of the link to the item
- Request date**
Date the approval request was sent
- Response**
The overall response to the request
- Response date**
Date the approval response was sent
- Responses Approver email**
The email address of the approver
- Responses Approver ID**
The ID of the approver

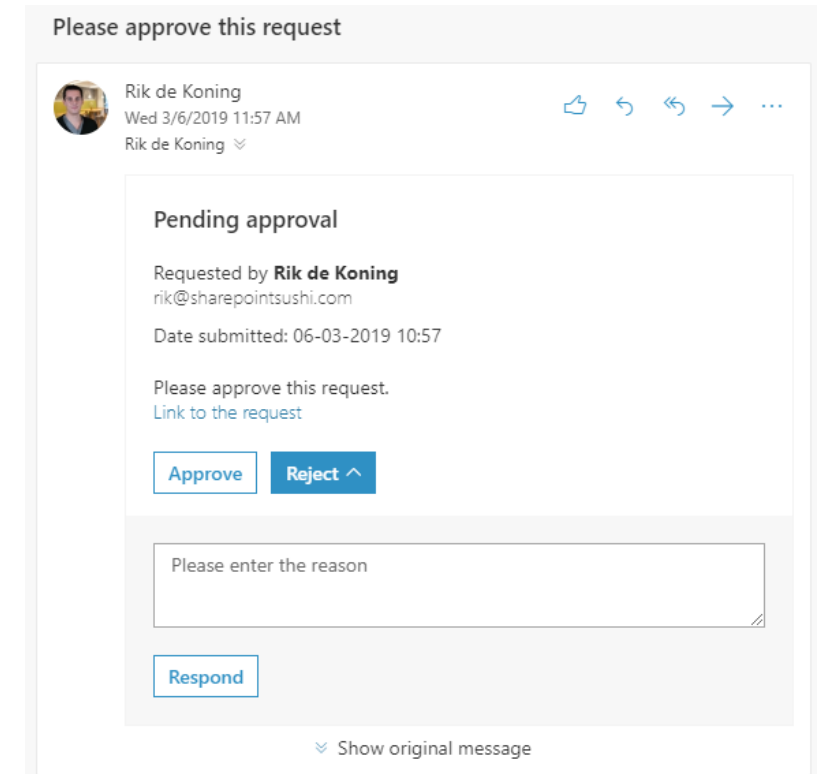
- Responses Approver name**
The name of the approver
- Responses Approver response**
The response from the approver
- Responses Approver tenant ID**
The tenant ID of the approver
- Responses Approver user principal name**
The principal name of the approver
- Responses Comments**
Comments added by the approver
- Responses Request date**
Date the approval request was sent
- Responses Response date**
Date the approval response was sent
- Title**
The title of the approval



DEMO

Custom Actionable Message

- Adaptive Cards (JSON) via Designer (voorheen Message Card)
- Twee separate Flows nodig:
 1. Verzenden mail via Send an email actie
 - Vrije vormgeving (HTML)
 - Verzenden vanuit Shared Mailbox is mogelijk
 2. Ontvangen response via HTTP Request trigger
 - Anonieme POST actie, dus niet beveiligd
 - P1 licentie nodig
- Verplichte invulvelden **nog niet** mogelijk > v1.2?
- Delegatie mogelijk via doorsturen e-mail
- Mail blijft bestaan en is dus meerdere keren af te handelen
- Compatibiliteit
 - Werkt vanaf Outlook 2016 en Outlook Online
 - Werkt alleen binnen eigen tenant



Adaptive Cards Designer

The screenshot shows the Adaptive Cards Designer interface with several red annotations:

- Voorgedefinieerde host apps**: A red box highlights the top navigation bar, including the Microsoft logo, "Adaptive Cards" title, and links for "Documentation", "Schema Explorer", "Visualizer", "Samples", "Connect", and "Designer".
- Voorbeeld Adaptive Card (designer)**: A red box highlights the main design area, which displays a card titled "Publish Adaptive Card schema" by Matt Hiding. The card content includes a text block with instructions and a metadata section with fields for Board, List, Assigned to, and Due date.
- Toolbox**: A red box highlights the left-hand sidebar containing various UI components like Containers, Elements, and Inputs.
- Adaptive Card JSON**: A red box highlights the bottom section of the interface, which displays the JSON schema for the card.
- Toegevoegde elementen (incl. eigenschappen)**: A red box highlights the right-hand panels, including the "Visual tree view" and "Element properties" panels.

```
1 {
2   "type": "AdaptiveCard",
3   "body": [
4     {
5       "type": "Container",
6       "items": [
7         {
8           "type": "TextBlock",
9           "size": "Medium",
10          "weight": "Bolder",
11          "text": "Publish Adaptive Card schema"
12        },
13        {
14          "type": "ColumnSet",
15          "columns": [
16            {
17              "type": "TextBlock",
18              "text": "Now that we have defined the main rules and features of the format, we need to produce a schema and publish it to GitHub. The schema will be the starting point of our reference documentation."
19            },
20            {
21              "type": "TextBlock",
22              "text": "Board: Adaptive Card"
23            },
24            {
25              "type": "TextBlock",
26              "text": "List: Backlog"
27            },
28            {
29              "type": "TextBlock",
30              "text": "Assigned to: Matt Hiding"
31            },
32            {
33              "type": "TextBlock",
34              "text": "Due date: Not set"
35            }
36          ]
37        }
38      ]
39    }
40  ]
41 }
```

Adaptive Card versturen

- JSON in je HTML mail embedden (bijv. via Compose actie)
- JSON moet tussen `<script>` tags:

```
<script type="application/adaptivecard+json">JSON GOES HERE</script>
```

- Doorverwijzing naar Outlook Online toevoegen
- Doorverwijzing verbergen indien niet nodig

The image shows two screenshots illustrating the process of sending an adaptive card via email. The top screenshot is titled "Compose adaptive card (JSON)" and displays the HTML structure for embedding a JSON adaptive card. The JSON content is highlighted in yellow and labeled "JSON GOES HERE". The HTML structure includes a `<script type="application/adaptivecard+json">` tag containing the JSON object. The bottom screenshot is titled "Send the actionable message" and shows the email composition form with the following fields:

- * To: rik@sharepointsushi.com;
- * Subject: Please approve this request
- * Body: Output x

There is a "Show advanced options" link at the bottom of the form.

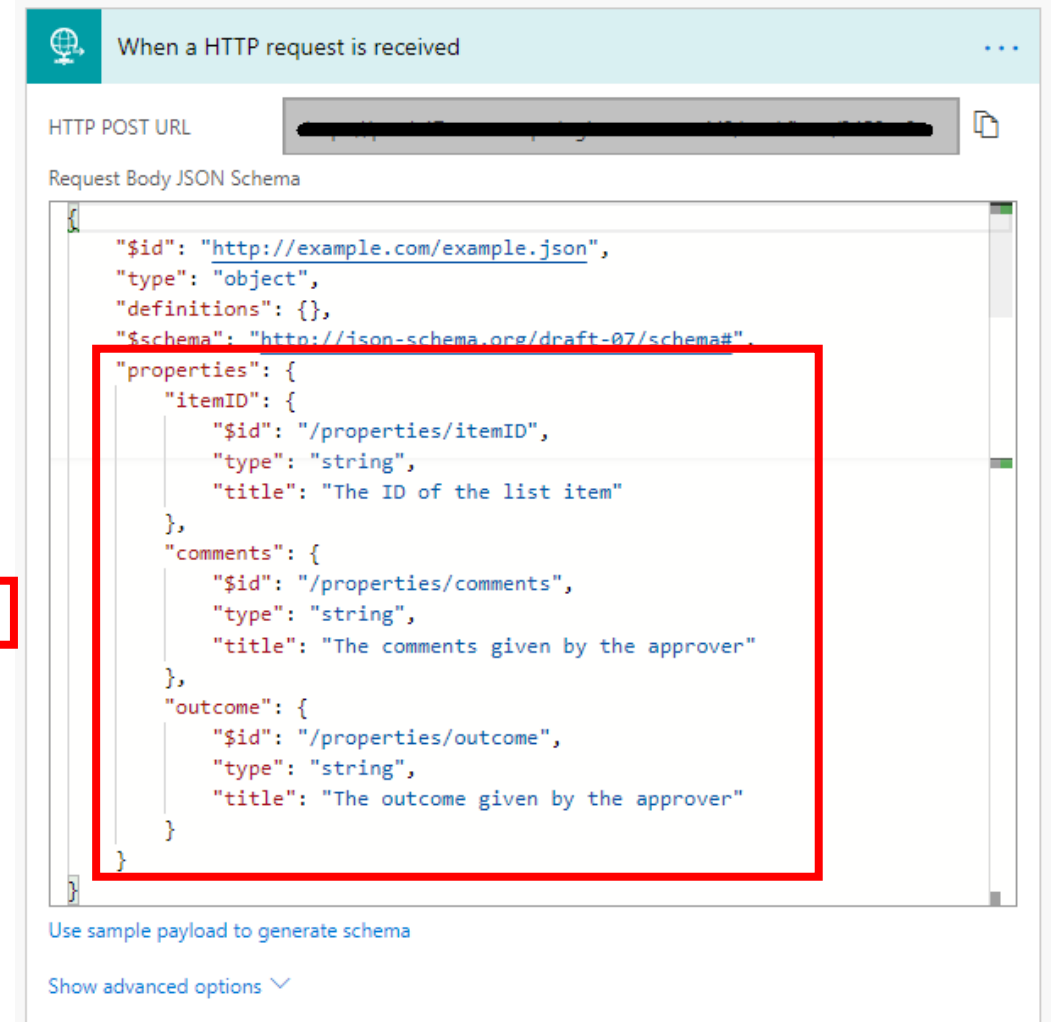
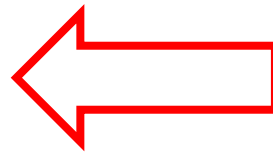
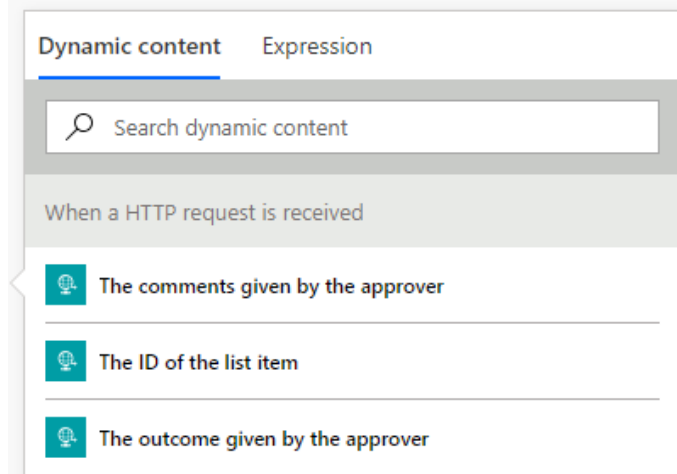
Input uit Adaptive Card krijgen

- id toekennen aan Input.Text
- action body: input parameters
 - AdaptiveCard controls via zojuist toegekende id
 - Dynamic Content
 - Vaste tekst
- url toevoegen (HTTP Request Trigger)
- headers toevoegen (anonymous)

```
"card": {  
  "type": "AdaptiveCard",  
  "body": [  
    {  
      "type": "Input.Text",  
      "id": "comment",  
      "placeholder": "Please enter the reason",  
      "isMultiline": true  
    }  
  ],  
  "actions": [  
    {  
      "type": "Action.Http",  
      "title": "Respond",  
      "body": "{\nitemID\": \"ID x  
\", \"comments\": \"{{comment.value}}\", \"outcome\": \"Rejected\"}",  
      "url": "https://api.powerapps.com/v1.0/operations/trigger?triggerId=xxxxxxx&parameters={\"comment\": \"{{comment.value}}\"}",  
      "headers": [  
        {  
          "name": "Authorization",  
          "value": ""  
        }  
      ]  
    }  
  ]  
}
```

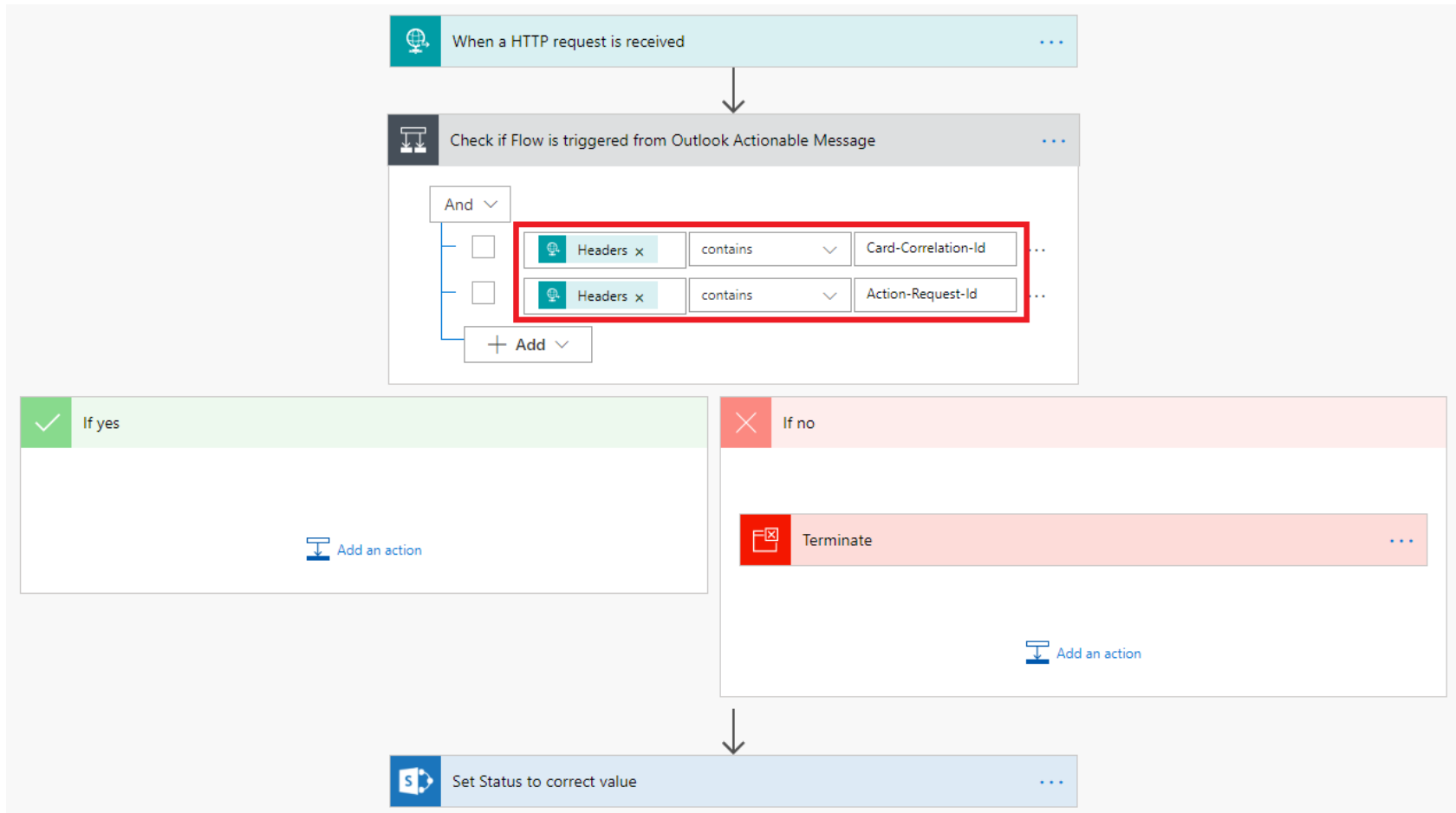
Input verwerken

- Nieuwe Flow met HTTP request trigger
- Input parameters: JSON



Anonymous 'beveiligen'

- Check of Flow is gettriggerd vanuit een ActionCard





DEMO



Samenvattend

	Mail with options	Flow Approval	Actionable Message
Complexiteit	Eenvoudig	Gemiddeld	Moeilijk
Opmaak	HTML	Markdown	JSON & HTML
Eigen format bepalen	Ja (basis)	Nee	Ja (volledig)
Multi-step approval	Nee	Ja (eeste / iedereen)	Nee
Commentaar mogelijk	Nee	Ja (optioneel)	Ja (conditioneel)
Delegatie mogelijk	Ja (via doorsturen)	Ja (via Flow portal)	Ja (via doorsturen)
Approval door derden	Ja	Nee	Nee
Approval 1x afhandelen	Ja (foutmelding)	Ja (verdwijnt uit Flow portal)	Nee
Outlook client	Alle	vanaf 2016	vanaf 2016
Inzicht approvals	Alleen via inbox	Via inbox & Flow Portal	Alleen via inbox
Afzender	Vast (Connection Account)	Vast (Microsoft Flow)	Vrij (Send-as permissions)
Licentie	Microsoft Flow for Office 365	Microsoft Flow for Office 365	Microsoft Flow Plan 1



Referenties

- <https://docs.microsoft.com/en-us/flow/modern-approvals>
- <https://docs.microsoft.com/en-us/flow/approvals-markdown-support>
- <https://acdesignerstaging.azurewebsites.net/>
- <https://docs.microsoft.com/en-us/outlook/actionable-messages/adaptive-card>
- <https://docs.microsoft.com/en-us/outlook/actionable-messages/send-via-email>
- <https://github.com/Microsoft/AdaptiveCards/issues/1978>



Q & A

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