



Best practice from the field Tips and tricks for cloud flows







# Best practice from the field Tips and tricks for cloud flows











- Microsoft Graph Calls
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- Using Try-Catch
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- Formatting Hyperlinks in HTML Table
- Sort an Array of Objects with the Sort Function
- Apply styles to a HTML table
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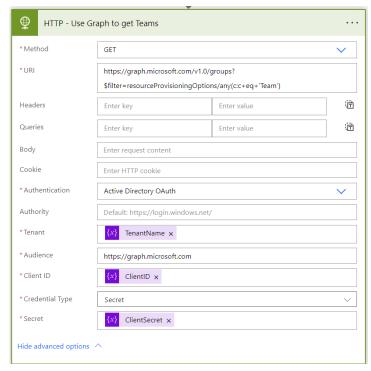






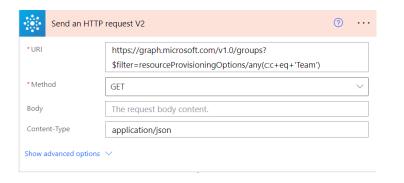
# Microsoft Graph calls

#### Using the HTTP connector



**Pros**: Multiple authentication methods, least privilege permissions **Cons**: Premium license, Secret/password in clear text

#### Using the Office 365 Groups connector



**Pros**: Standard license, run in the context of a user account

Cons: Run in the context of a user account

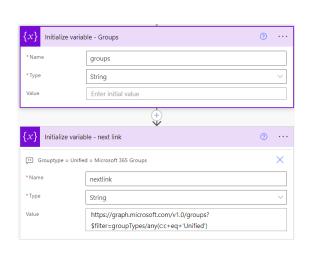


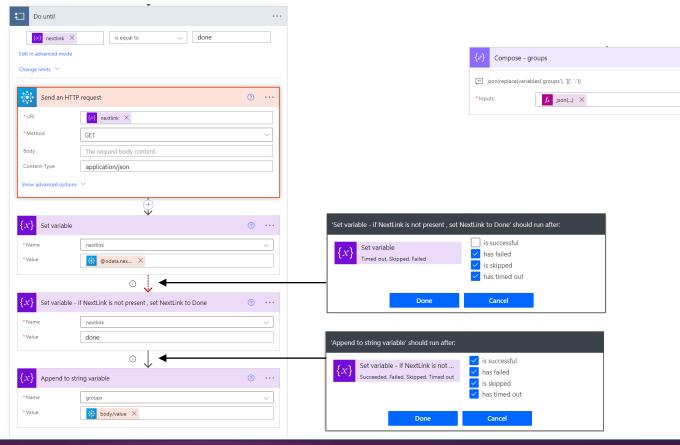




### Microsoft Graph calls with nextlink

Graph is paging with the first 100 items. It will continue to return a reference to the next page of results in the **@odata.nextLink** property with each response until there are no more pages of results to retrieve





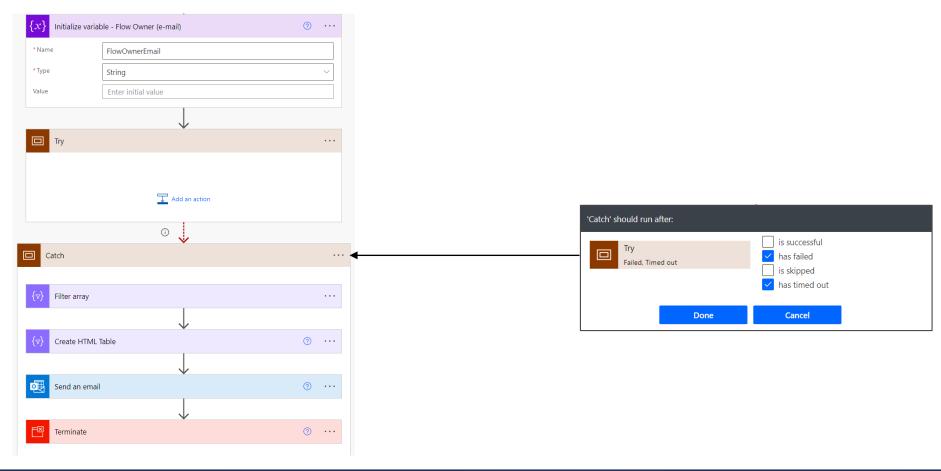






#### **Always use Try-Catch**

Use the try-catch approach to ensure you always get notified with at cloud flow has errors.



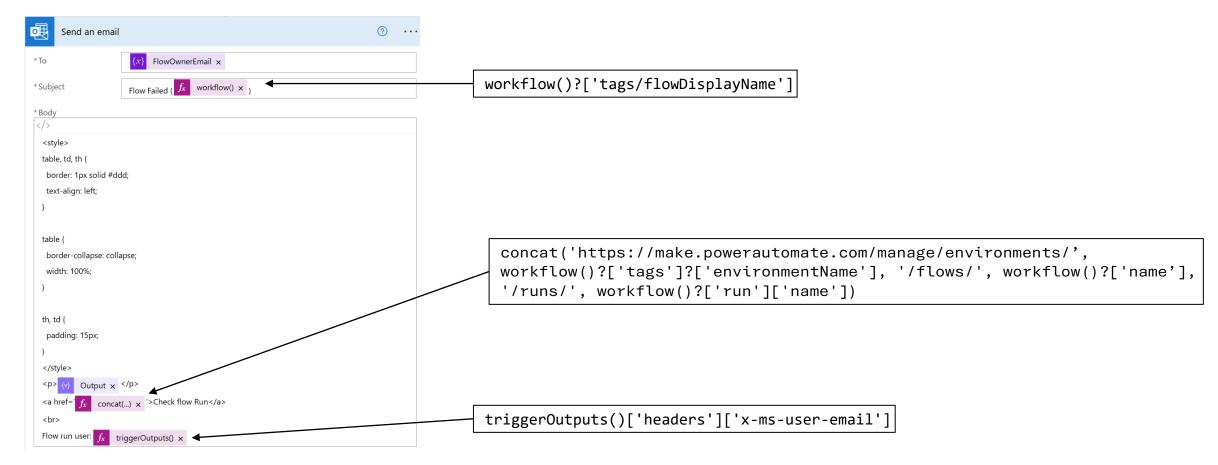






#### Always use Try-Catch - continue

#### Flow run information:



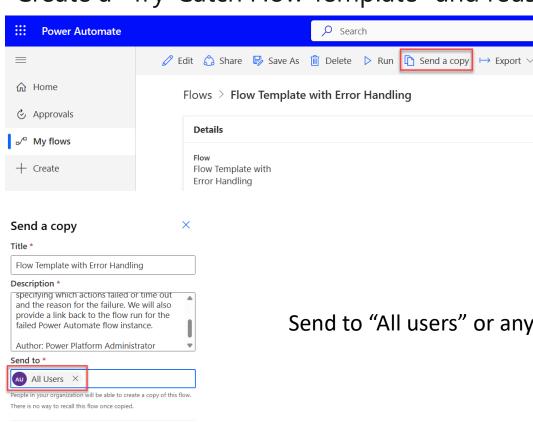






## Reuse a Flow as Template

Create a "Try-Catch Flow Template" and reuse it in the entire company.



To use "send a copy" you need to have a success run.

Send to "All users" or any other security group



Cancel

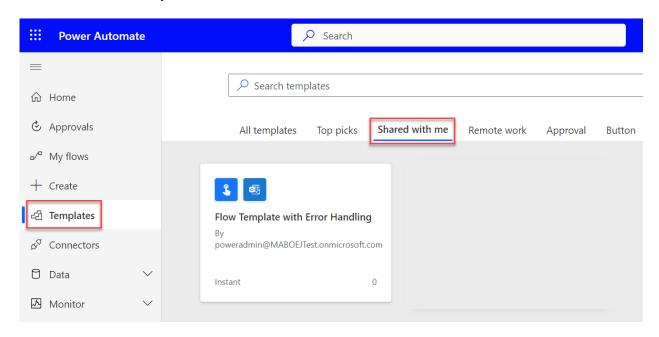




### Reuse a Flow as Template - continue

Create a "Try-Catch Flow Template" and reuse it in the entire company.

#### To use the Template:



A template is only available in the environment is' created in.

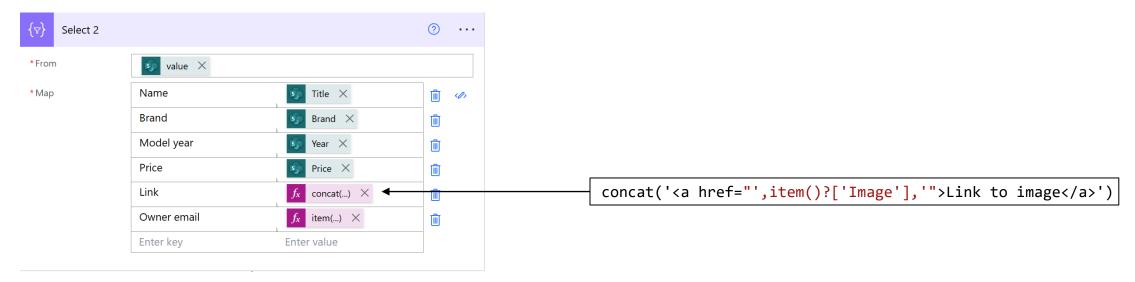




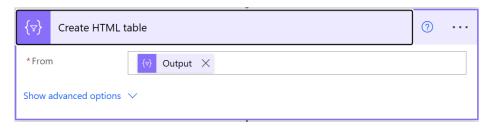


#### Format Hyperlinks in HTML Table

I order to add a link to a record, you can do so by adding a "a href" tag in the Select action.



Then we can use the "Create a HTML table" to convert the records to HTML.







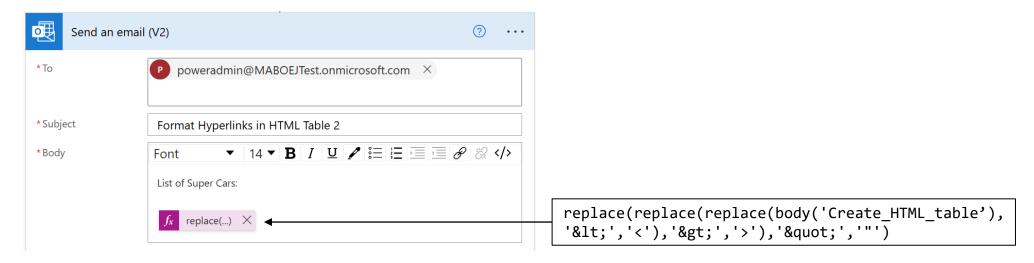


#### Format Hyperlinks in HTML Table

But when converting to HTML the "a href" will formatted wrong

<a href=&quot;https://example.com/image4.jpg&quot;&gt;Link to image&lt;/a&gt;

We need to deal with that using a replace command.



This will convert it to the right format.

<a href="https://example.com/image4.jpg">Link to image</a>







# Sort an Array of Objects with the Sort Function



Use the "reverse" command to sort descending.

Reverse(sort(body('Select\_2'),'Name'))

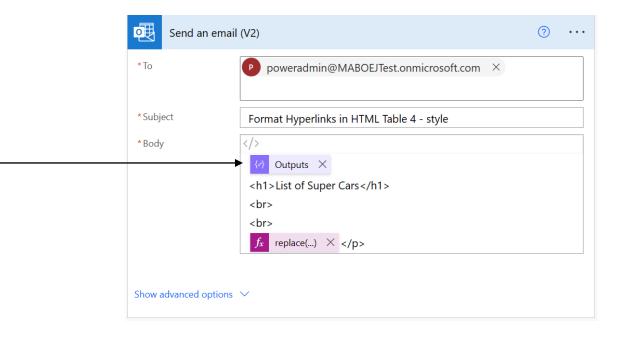






#### Apply styles to a HTML table





I used this table designer to give me inspiration <a href="http://divtable.com/table-styler/">http://divtable.com/table-styler/</a>







#### Apply styles to a HTML table

```
<style>
table {
  border: 1px solid #1C6EA4;
 background-color: #EEEEEE;
 width: 100%;
 text-align: left;
 border-collapse: collapse;
table td, table th {
 border: 1px solid #AAAAAA;
 padding: 3px 2px;
table tbody td {
  font-size: 13px;
table thead {
 background: #1C6EA4;
  border-bottom: 2px solid #444444;
table thead th {
 font-size: 15px;
 font-weight: bold;
 color: #FFFFFF;
  border-left: 2px solid #D0E4F5;
table thead th:first-child {
  border-left: none;
</style>
```

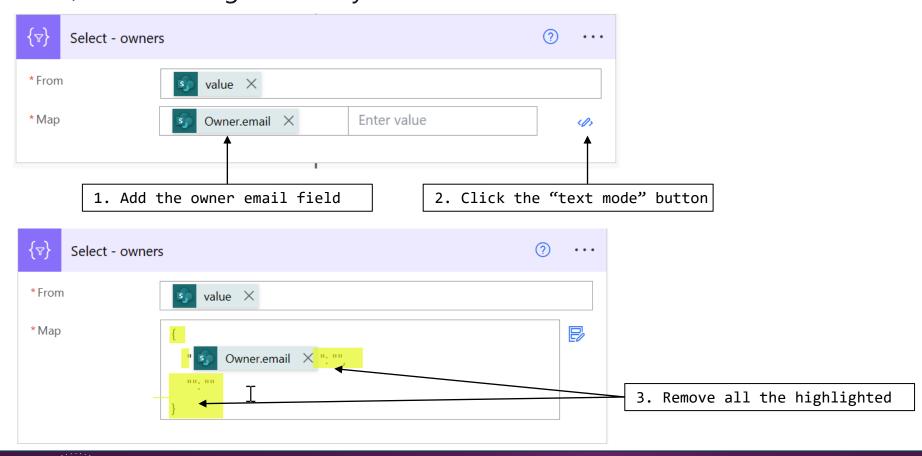






#### **Use select and filter actions**

Sometimes you would like to send an email with the items the user own and not one email per item. First, we need to get an array of owners:

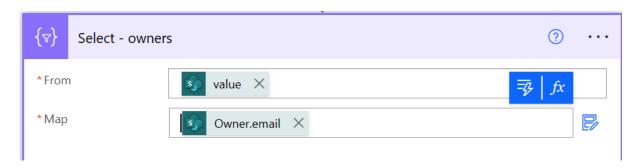








#### Use select and filter actions - continue



#### The result is an array of all owners:

#### Body

```
"admin@MABOEJTest.onmicrosoft.com",
"user1@MABOEJTest.onmicrosoft.com",
"admin@MABOEJTest.onmicrosoft.com",
"user1@MABOEJTest.onmicrosoft.com",
"user1@MABOEJTest.onmicrosoft.com",
"admin@MABOEJTest.onmicrosoft.com",
"admin@MABOEJTest.onmicrosoft.com",
```







#### Use select and filter actions – continue

Next is the only have an array of unique owners:



The result is an array of unique owners:

```
Outputs

[
| "admin@MABOEJTest.onmicrosoft.com",
    "user1@MABOEJTest.onmicrosoft.com"
```

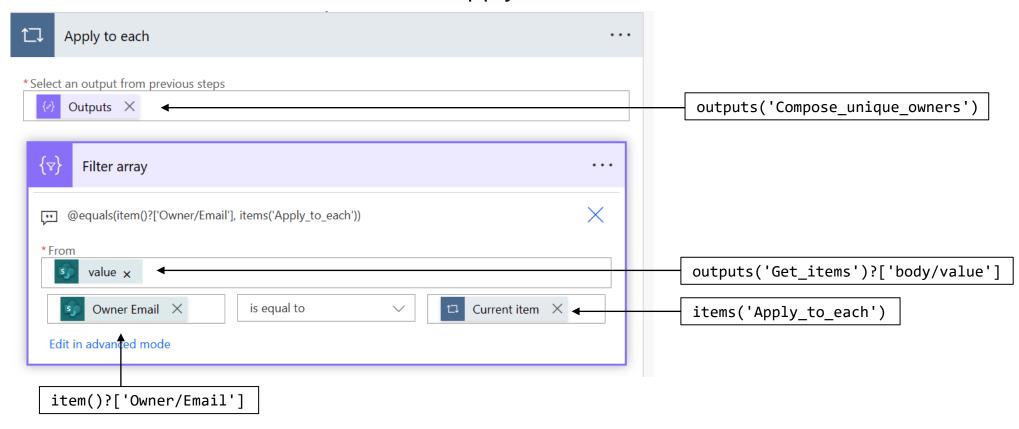






#### Use select and filter actions - continue

Next is to add a "Filter" action inside "Apply to each"



The result of the filter is all items for one owner.

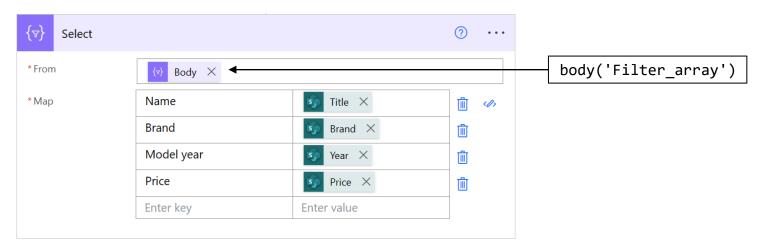






#### Use select and filter actions – continue

Next is to add a "Select" action inside "Apply to each"



And an "Create HTML table" action inside "Apply to each"



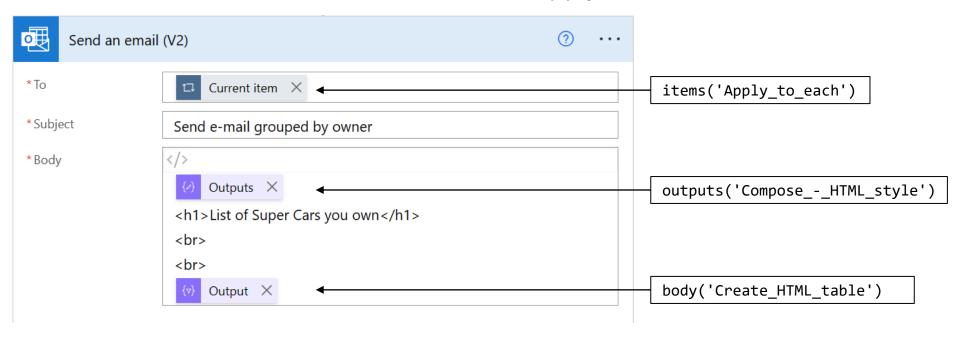






#### Use select and filter actions – continue

Last is to add an "Send email" action inside "Apply to each"











# Power Platform User Group Denmark



Please join the local user group:

https://forms.office.com/r/bVs2k6pw6C?origin=lprLink

Sign up and get an invite to the community using Teams







Please fill out the survey! & Win Swags!!





https://bit.ly/GPPBSurvey

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# Any Questions?









#### **THANK YOU**

Slides and solution — look at my LinkedIn profile:

aka.ms/maboej





