5th GLOBAL POWER PLATFORM BOOTCAMP 2023

Best practice from the field
Tips and tricks for cloud flows

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#GlobalPowerPlatformBootcamp
#GPPB2024

Best practice from the field
Tips and tricks for cloud flows

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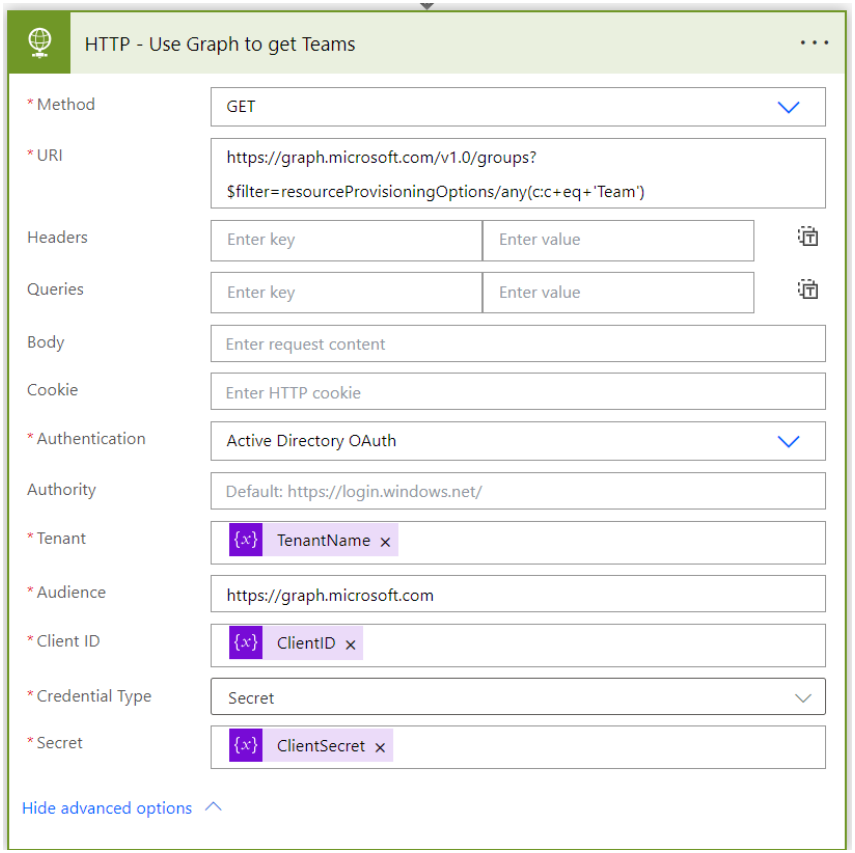
Agenda

- Microsoft Graph Calls
- Microsoft Graph Calls with nextlink
- Using Try-Catch
- Reusing a Flow as Template
- Formatting Hyperlinks in HTML Table
- Sort an Array of Objects with the Sort Function
- Apply styles to a HTML table
- Use select and filter actions

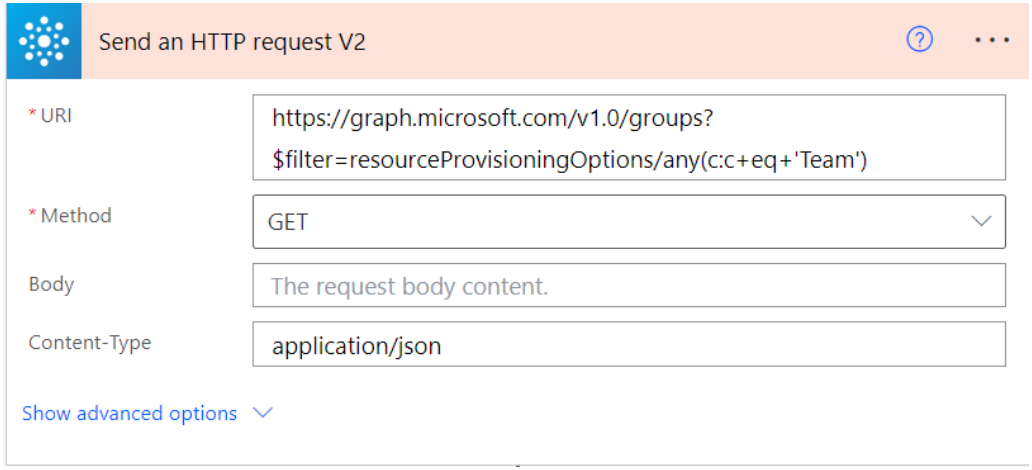
Microsoft Graph calls

Using the HTTP connector



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

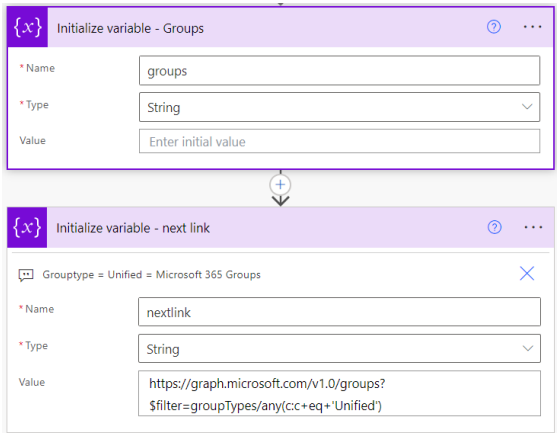
Using the Office 365 Groups connector

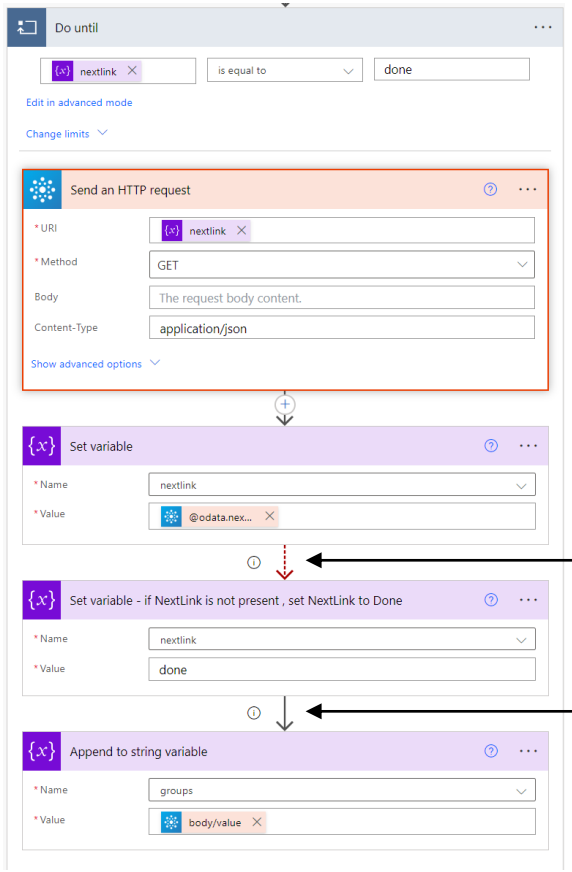


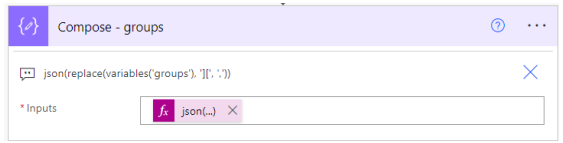
Pros: Standard license, run in the context of a user account
Cons: Run in the context of a user account

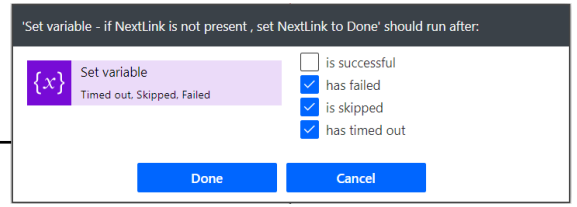
Microsoft Graph calls with nextlink

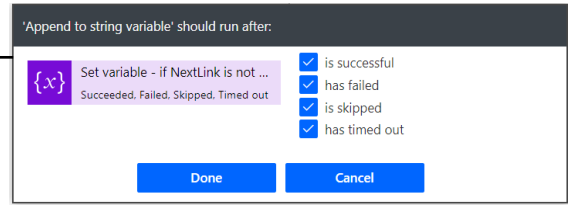
Graph is paging with the first 100 items. It will continue to return a reference to the next page of results in the **@odata.nextLink** property with each response until there are no more pages of results to retrieve





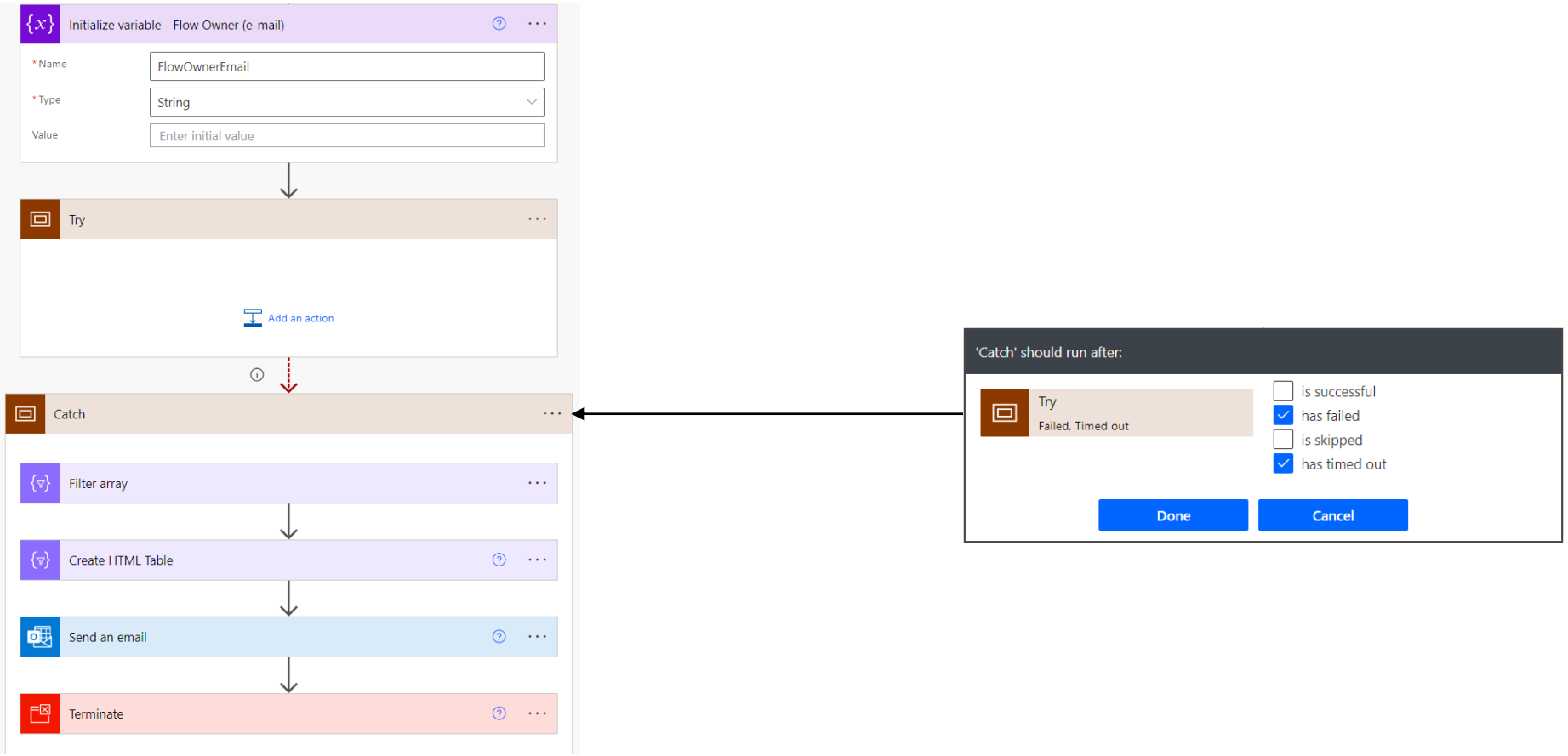






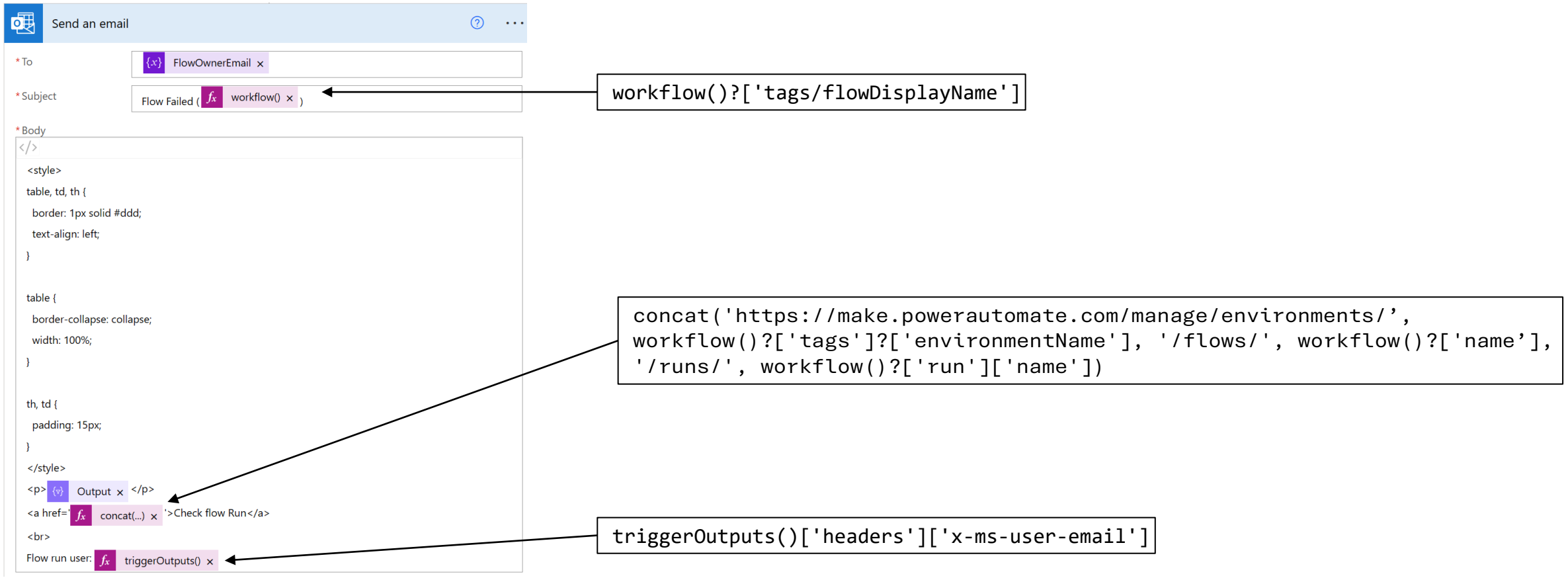
Always use Try-Catch

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



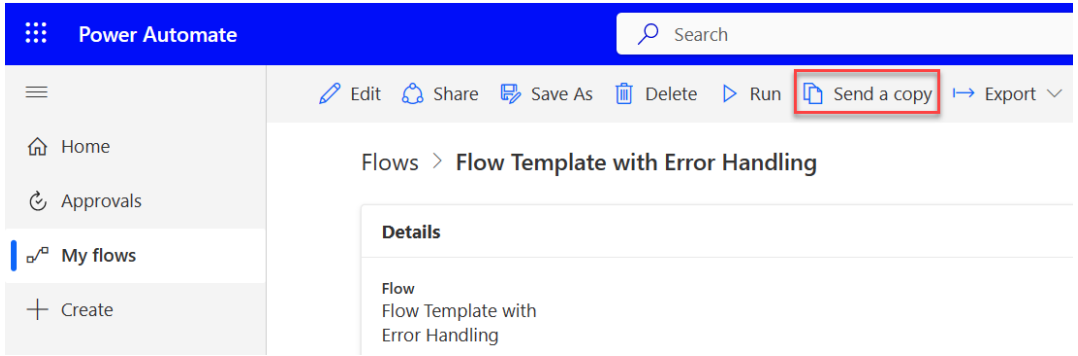
Always use Try-Catch - continue

Flow run information:

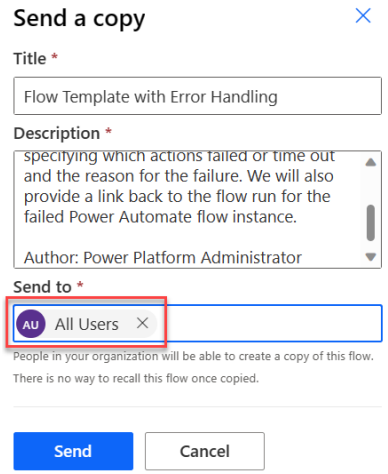


Reuse a Flow as Template

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.

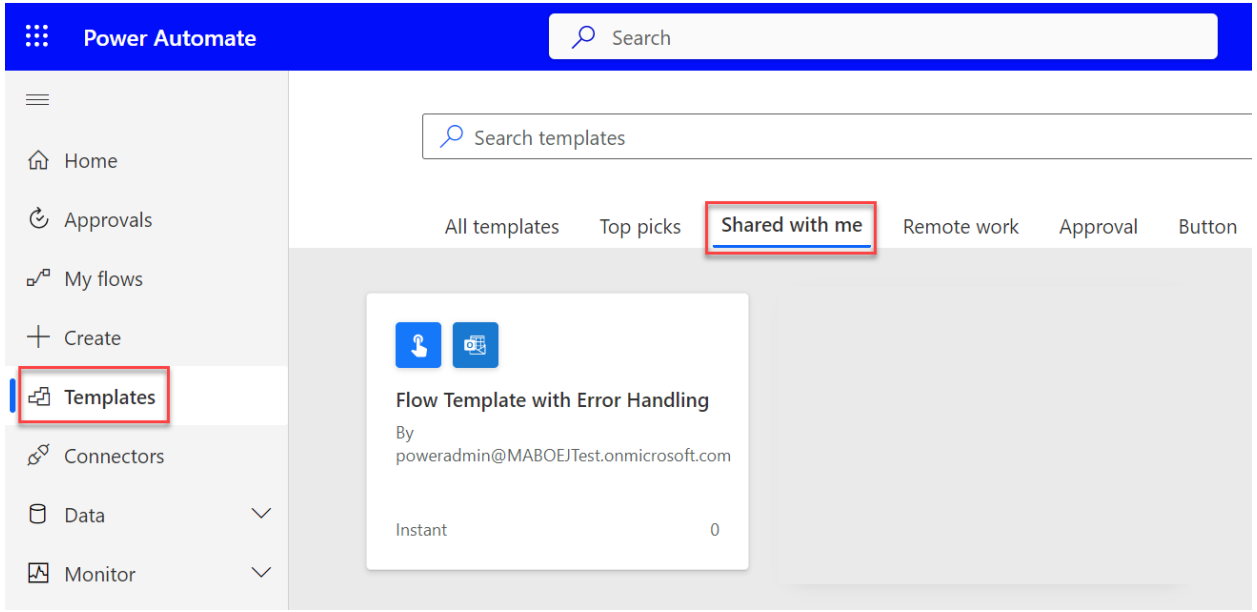


Send to “All users” or any other security group

Reuse a Flow as Template - continue

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

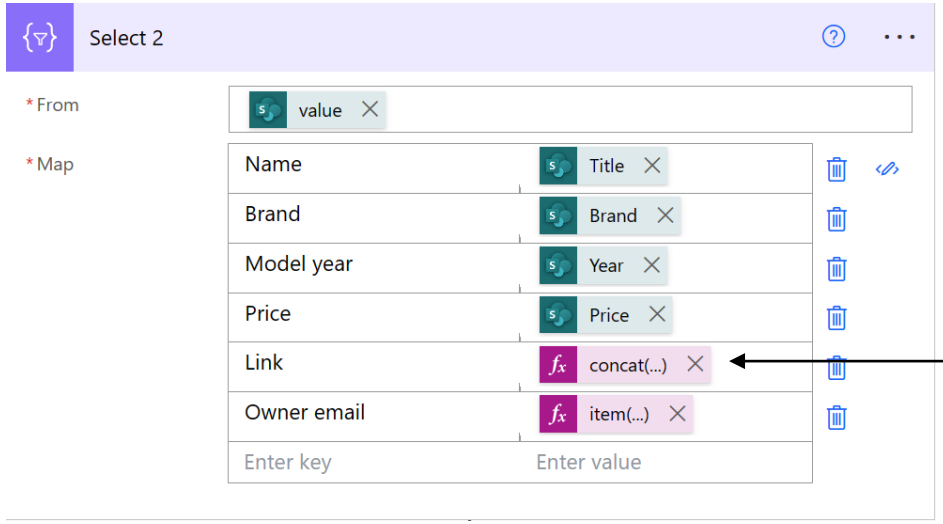
To use the Template :



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

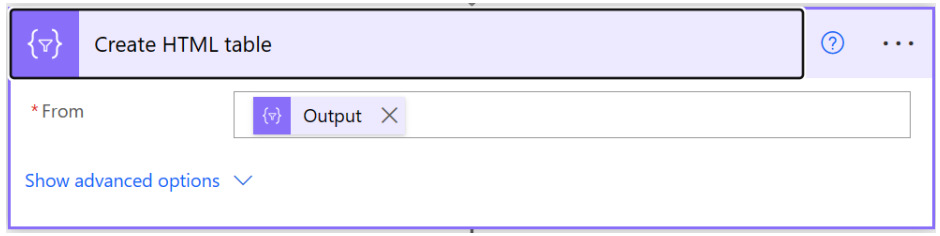
Format Hyperlinks in HTML Table

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




```
concat('<a href="',item()?['Image'],'">Link to image</a>')
```

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

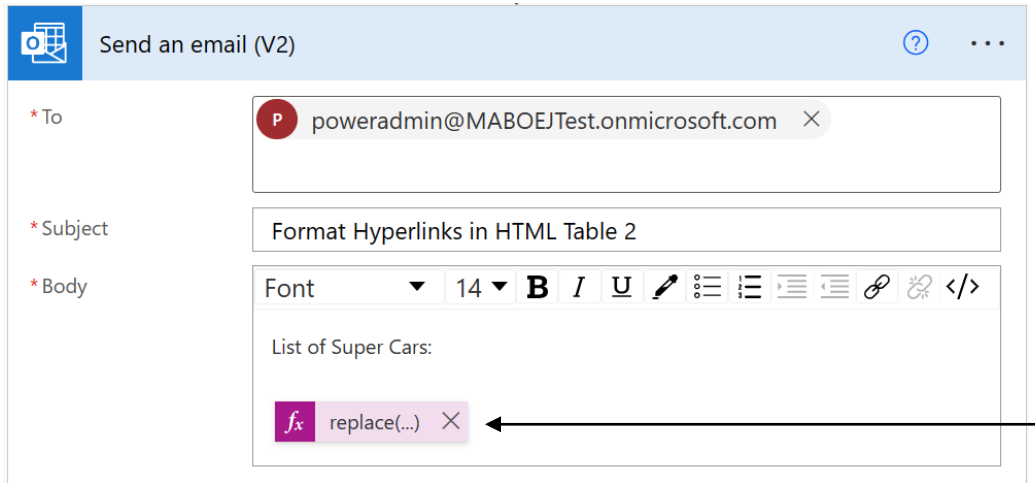


Format Hyperlinks in HTML Table

But when converting to HTML the “a href” will formatted wrong

```
&lt;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.




```
replace(replace(replace(body('Create_HTML_table’),
'&lt;','<'),'&gt;','>'),'&quot;','"')
```

This will convert it to the right format.

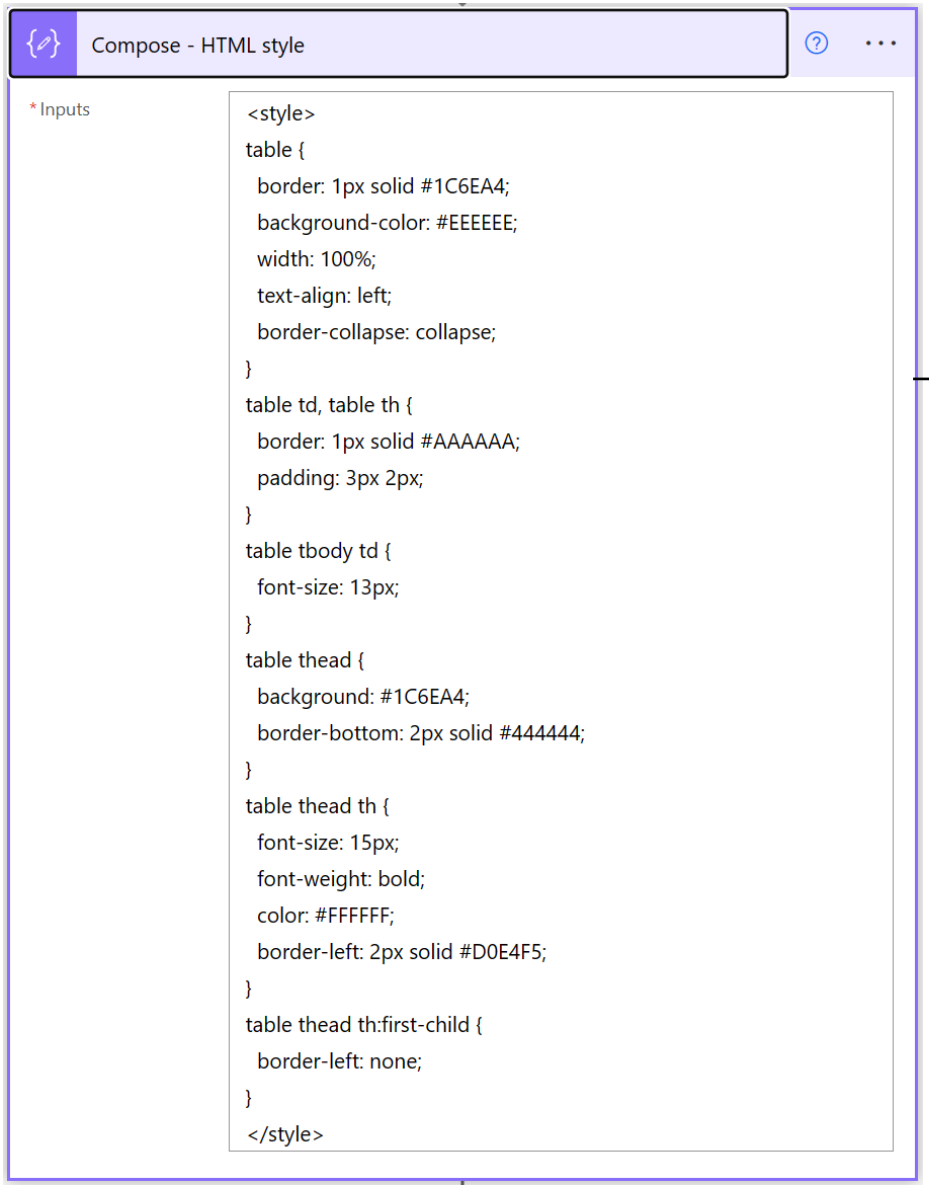
```
<a href="https://example.com/image4.jpg">Link to image</a>
```

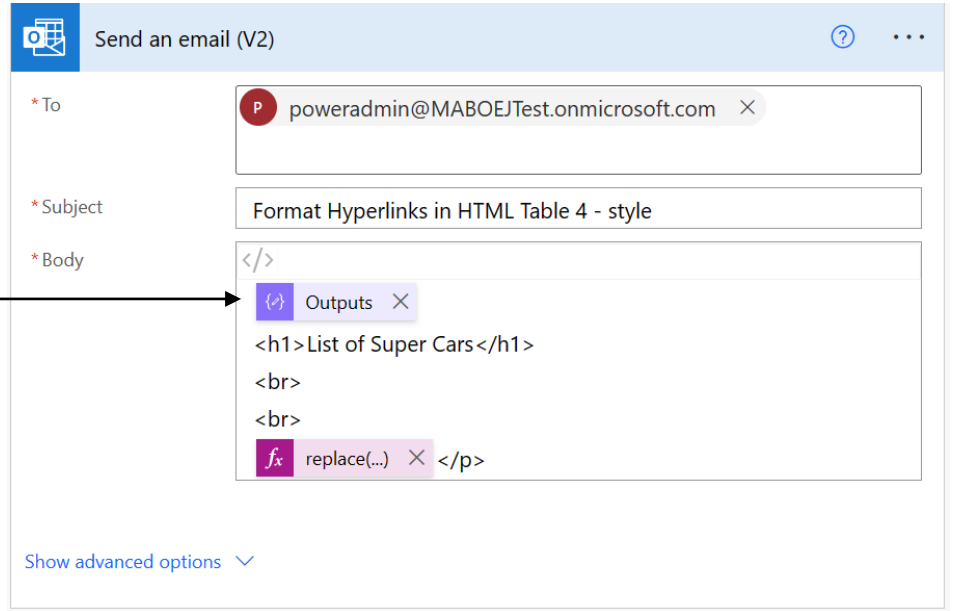
Sort an Array of Objects with the Sort Function

Use the “reverse” command to sort descending.

```
Reverse(sort(body('Select_2'),'Name’))
```

Apply styles to a HTML table





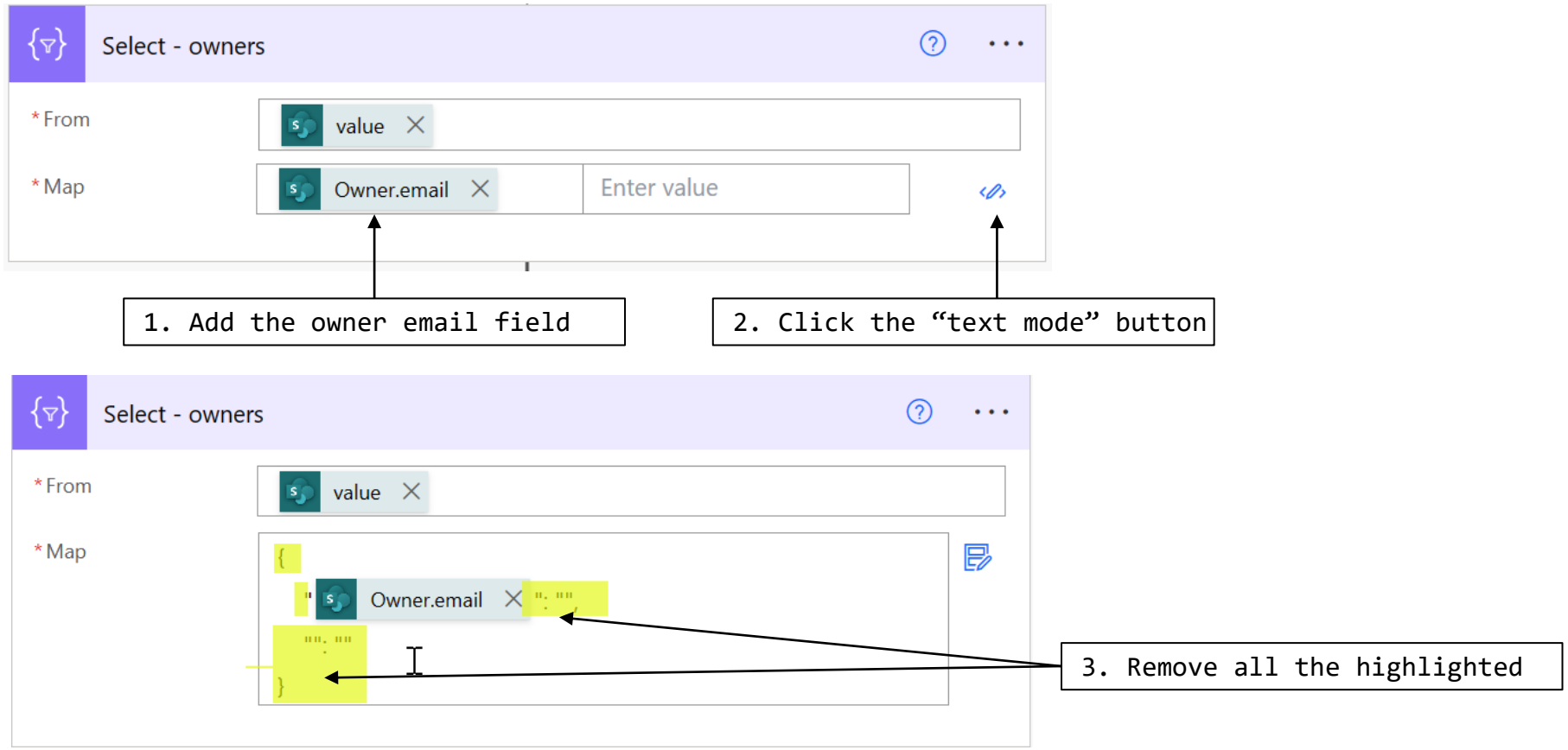
I used this table designer to give me inspiration
http://divtable.com/table-styler/

Apply styles to a HTML table

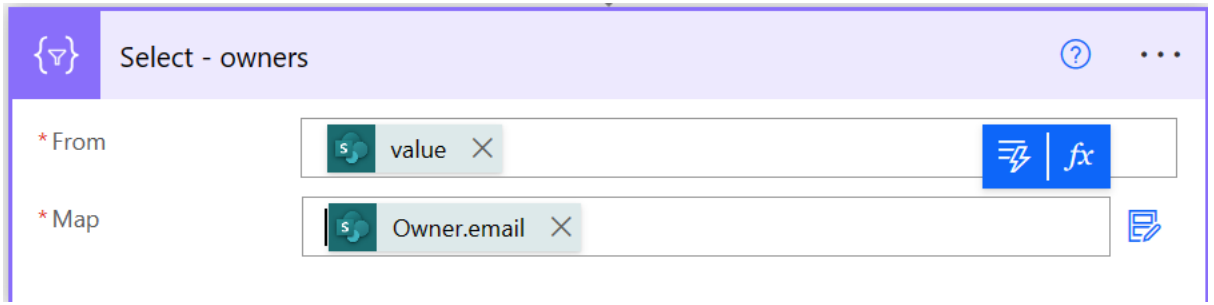
```
<style>
table {
  border: 1px solid #1C6EA4;
  background-color: #EEEEEE;
  width: 100%;
  text-align: left;
  border-collapse: collapse;
}
table td, table th {
  border: 1px solid #AAAAAA;
  padding: 3px 2px;
}
table tbody td {
  font-size: 13px;
}
table thead {
  background: #1C6EA4;
  border-bottom: 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



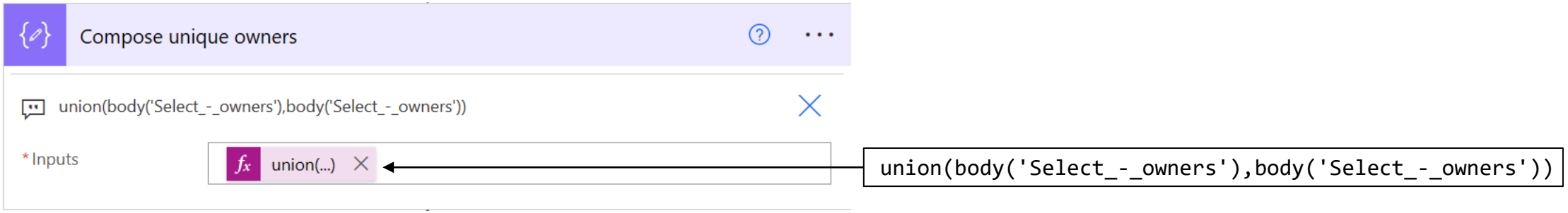
The result is an array of all owners:

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",
```

Use select and filter actions – continue

Next is the only have an array of unique owners:



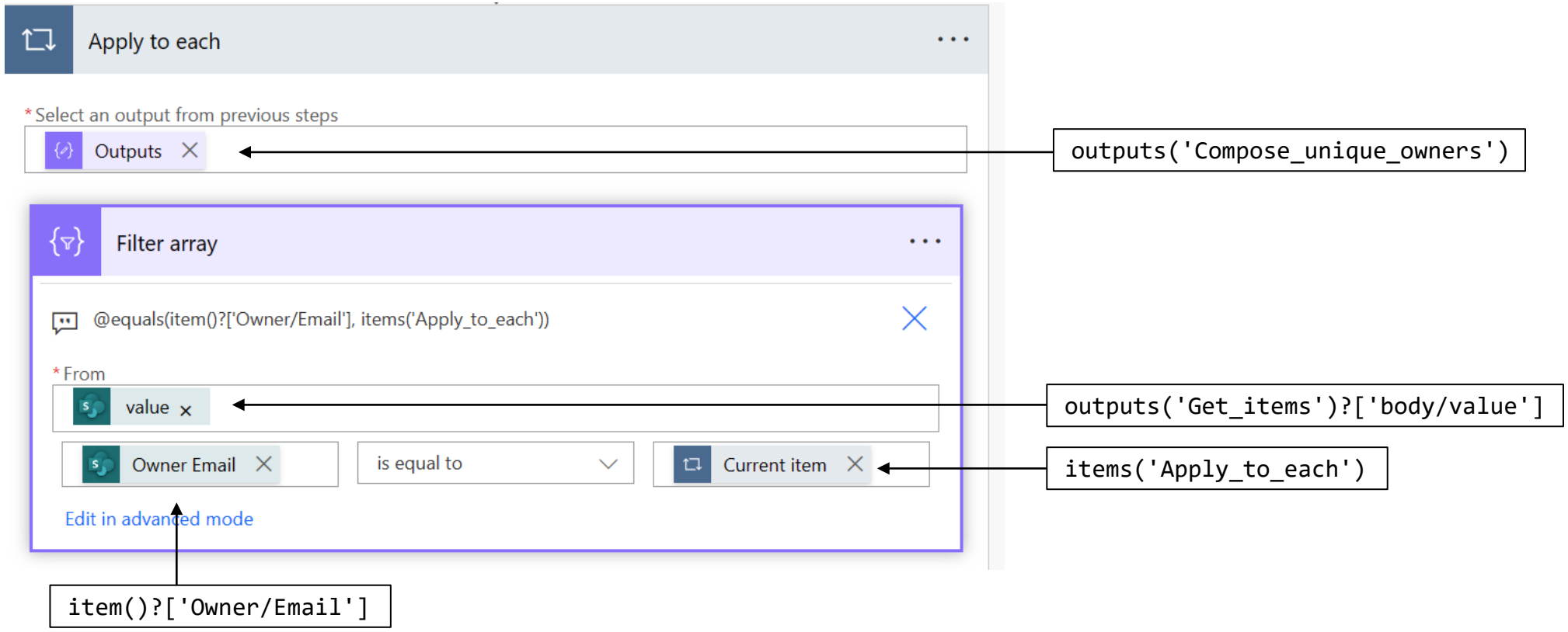
The result is an array of unique owners:

Outputs

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

Use select and filter actions – continue

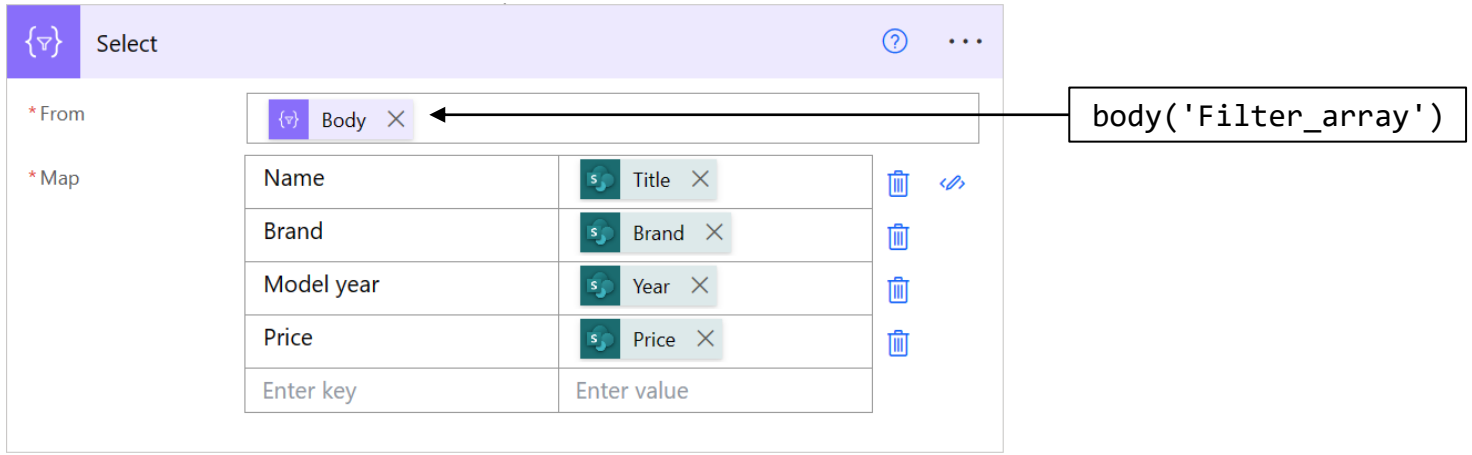
Next is to add a “Filter” action inside “Apply to each”



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

Use select and filter actions – continue

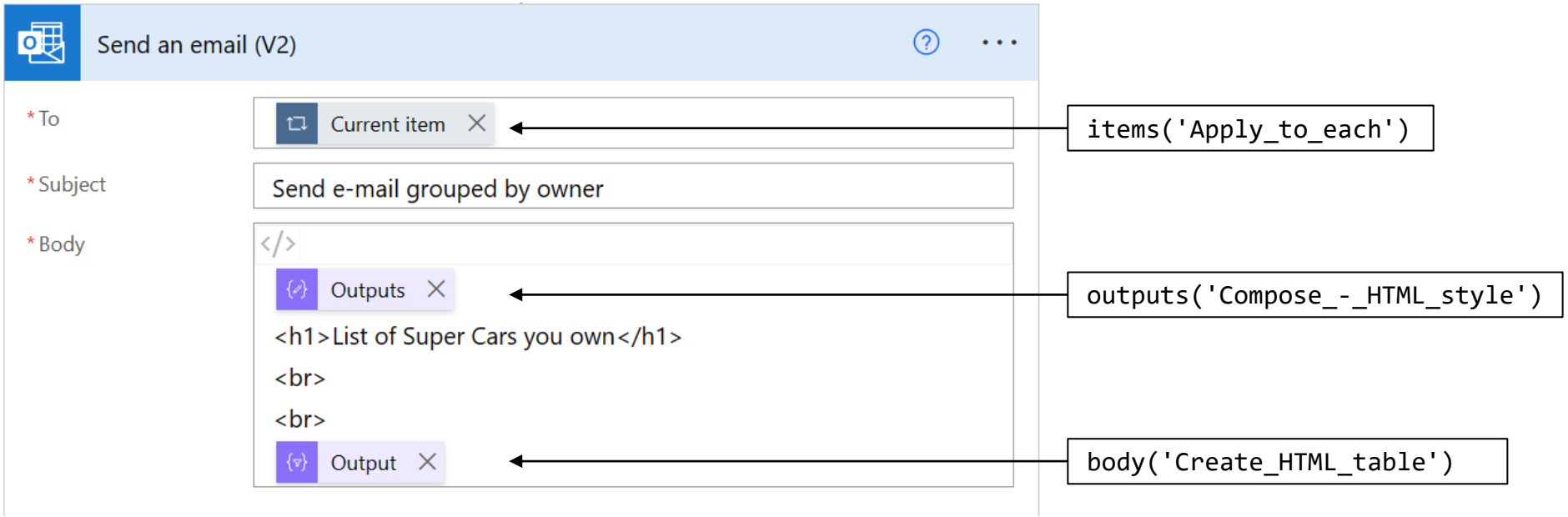
Next is to add a “Select” action inside “Apply to each”



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

Thanks To Our Sponsor's

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Local Sponsors

Fellowmind

Any Questions?

THANK YOU

Slides and solution – look at my LinkedIn profile:

aka.ms/maboej