



Microsoft 365 Saturday Bangalore

Dec 12, 2020





<https://www.linkedin.com/in/alaabitar/>



[It is PowerAppsble](#)



<https://thespcode.azurewebsites.net/>



<https://github.com/alaabitar>

Bitar Alaa

SharePoint since 2007, helping business customers to improve and automate their business so that they can focus on their expertise.



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Today's Recipe



Adaptive Cards + SharePoint Lists + Power Automate + PowerApps
= On Boarding Process

AGENDA



- On Boarding Process
- O365 Tools
- Solution Architecture
- Demo

On Boarding Process



- In general what is going on?
 - Before new collaborator arrives
 - When a new collaborator arrives

On Boarding Process



- Before new collaborator arrives
 - Order some Hardware
 - Create O365 Account
 - ...

On Boarding Process



- When a new collaborator arrives
 - Sign confidential documents
 - Assign trainings
 - ...

O365 Tools



- Adaptive Cards
 - XML Form
 - <https://adaptivecards.io/designer/>
 - Outlook Actionable Message
 - Create custom embedded email forms

O365 Tools



- Adaptive Cards
 - One adaptive card per task
 - Button that triggers an HTTP POST

O365 Tools



- Power Automate
 - HTTP triggered workflow who receives information sent by an adaptive card and updates a SharePoint List
 - An On SharePoint List Modified triggered workflow

O365 Tools



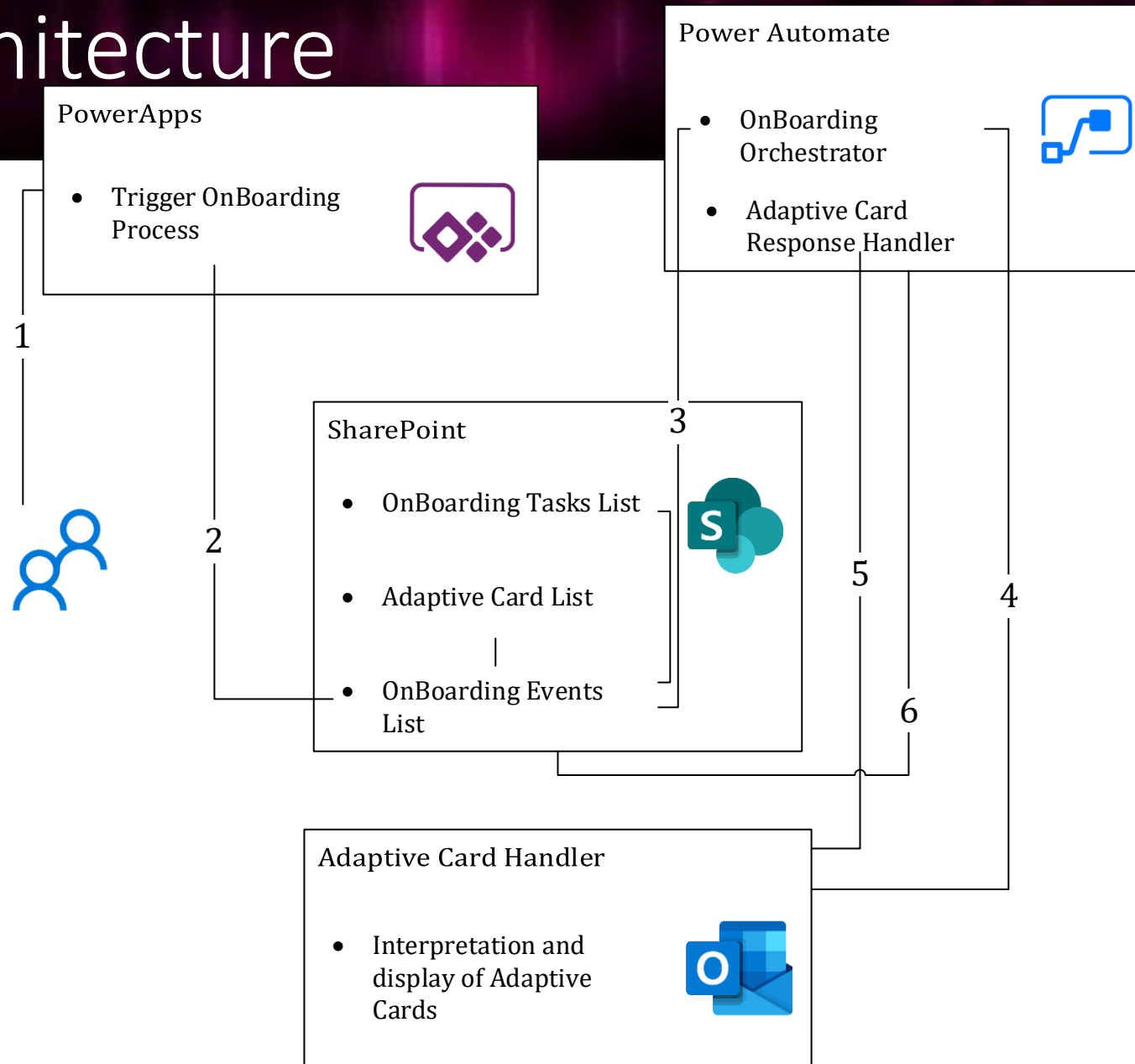
- SharePoint List
 - Adaptives cards definition
 - OnBoarding Process task definition
 - OnBoarding process follow up

O365 Tools



- PowerApp
 - Triggers the process
 - Visualize the status

Solution Architecture



Solution Architecture



- Link between Adaptive Card & SharePoint List
 - Custom field in l'adaptive card
 - workflow replace Custom field by Item ID before sending

Solution Architecture



Employee On Boarding

CAScINATION 

Please Fill New Employee Information

1. First Name

2. Last Name

3. Department

- ☐ Human Ressources
- ☐ Sales
- ☐ IT

Submit



• Button Submit

- ...
- "type": "ActionSet",
- "actions": [- {
- "type": "Action.Http",
- "title": "Submit",
- "method": "POST",
- "body": "{\n\"FirstName\": \"{{txtFirstName.value}}\", \n\"LastName\": \"{{txtLastName.value}}\", \n\"Department\": \"{{ddlDepartment.value}}\", \n\"ItemID\": \"{{CurrentItem.ID}}\",
- "url": "https://prod-89.westeurope.logic.azure.com:443/.....",
- ...

Solution Architecture



- Send adaptive ca

Send an email (V2)

*To: Current Custod... x

*Subject: Title x for Title x

*Body:

</>

Description x

<script type = 'application/adaptivecard+json'>

replace(...) x

</script>

{x} InfoNeeded x

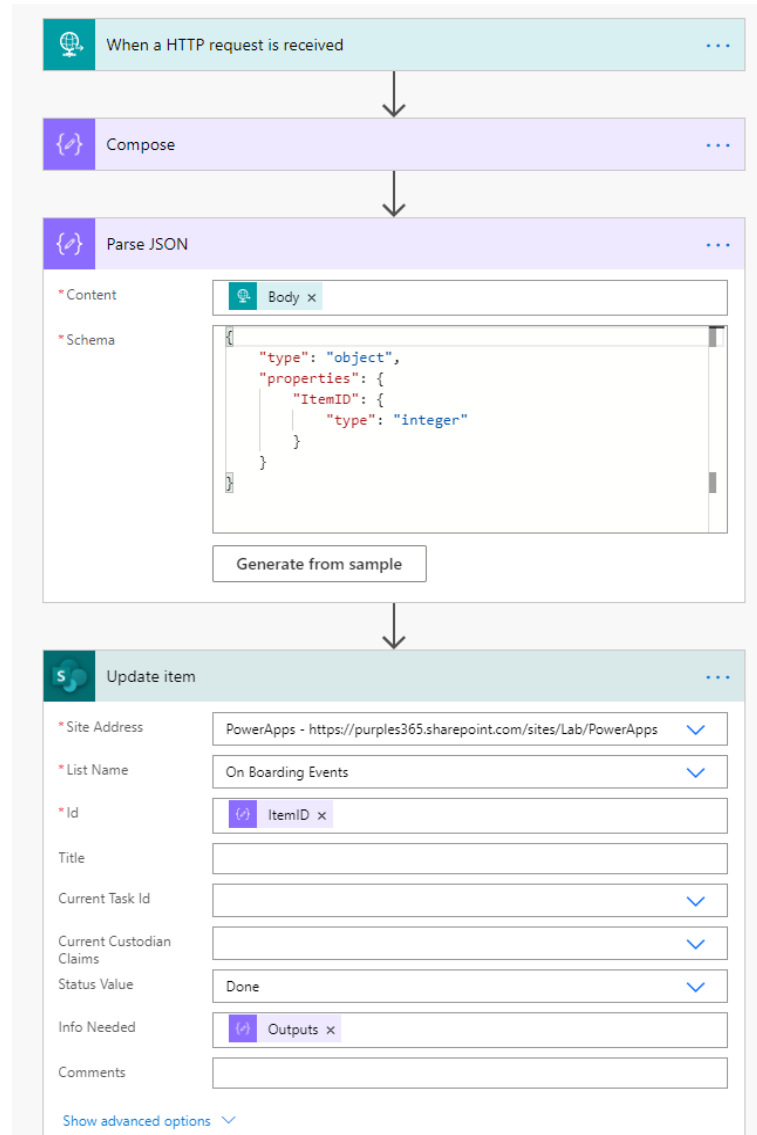
replace(body('Get_Adaptive_Card')['Definition'], '##CurrentItem.ID##', string(triggerBody()['ID']))

Show advanced options v

Solution Architecture



- Adaptive card Reception



DEMO





Thank You !

