



Better Together: Viva Connections and the Power Platform

#365EduCon

www.365educon.com/DC



**MARTINA
GROM**

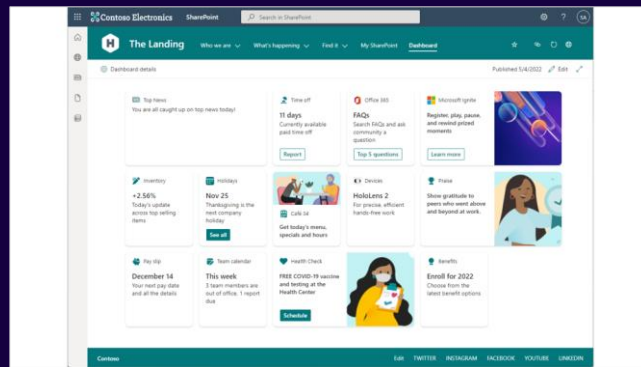
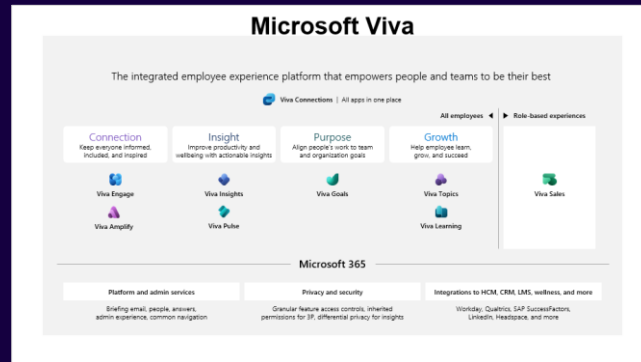
Azure & Microsoft 365 MVP
Microsoft RD
@magrom | CEO atwork
martina.grom@atwork.at



**TONI
POHL**

Azure and Office Dev MVP
@atwork | CTO atwork
toni.pohl@atwork.at

Agenda



Real-life Use cases for Employee Apps

- News
- Resources
- Quick Tasks (Time check in / check out)
- 3rd party services like HR, etc.
- Internal marketplace, job offers, events, calendar
- Employee Badge
- Employee self service (HR system, Benefits, Rewards, Bulletin board, etc.)
- Idea generation
- Internal Phone Book
- KPI's

Use Power Apps in Viva Connections

"...use No-Code and Low-Code Power Apps as User Interface for your business processes."

Visualize data with Adaptive Cards (AC)

"...an AC is a web part that provides a rich, interactive user experience to present information, displaying images and text, and collecting user input in a visually appealing way."

Development


Use Microsoft Graph – Employee Badge
Dynamic Restaurant info app – Menu Selection

Decision Framework for Viva Connections Apps

Topic	1 st party cards	Weblink	ACE's	Teams Apps	3 rd party apps
Description	Built-in, Available OOB • Approvals • Assigned Tasks • Shifts • Top News • ...	Use ANY existing website or application • Power Apps • SAP Fiori • Custom Apps	Quick view, good looking, design principles for ACE's • Static ACE's • Dynamic ACE's	More functionality & design • SPFx v1.16.x • Media upload • Geo Location • Supports Outlook & Office.com (M365 apps)	More functionality & design, integrate SaaS solutions • Install from Teams Marketplace • Use installed apps instantly
Opens browser	Yes	Yes	No	Yes	Depends
Time	Low	Low	Medium	High	Low
Budget	\$	\$	\$ - \$\$	\$\$\$	\$ - \$\$\$
Technical Requirement	Low	Low	Low, * Developer	Developer	Low
Outcome	High Value	Easy to use	Simple results	App Development	High Value

Microsoft Viva

The integrated employee experience platform that empowers people and teams to be their best

 **Viva Connections** | All apps in one place

All employees ◀ ▶ Role-based experiences

Connection

Keep everyone informed, included, and inspired



Viva Engage



Viva Amplify

Insight

Improve productivity and wellbeing with actionable insights



Viva Insights



Viva Pulse

Purpose

Align people's work to team and organization goals



Viva Goals

Growth

Help employee learn, grow, and succeed



Viva Topics



Viva Learning



Viva Sales

Microsoft 365

Platform and admin services

Briefing email, people, answers, admin experience, common navigation

Privacy and security

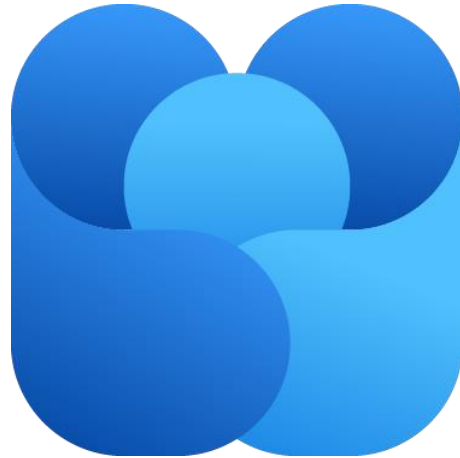
Granular feature access controls, inherited permissions for 3P, differential privacy for insights

Integrations to HCM, CRM, LMS, wellness, and more

Workday, Qualtrics, SAP SuccessFactors, LinkedIn, Headspace, and more

Viva Engage (formerly known as Yammer)

Use Viva Engage to give communities and leadership connections new drive and a common space. It brings social communication into the workplace.

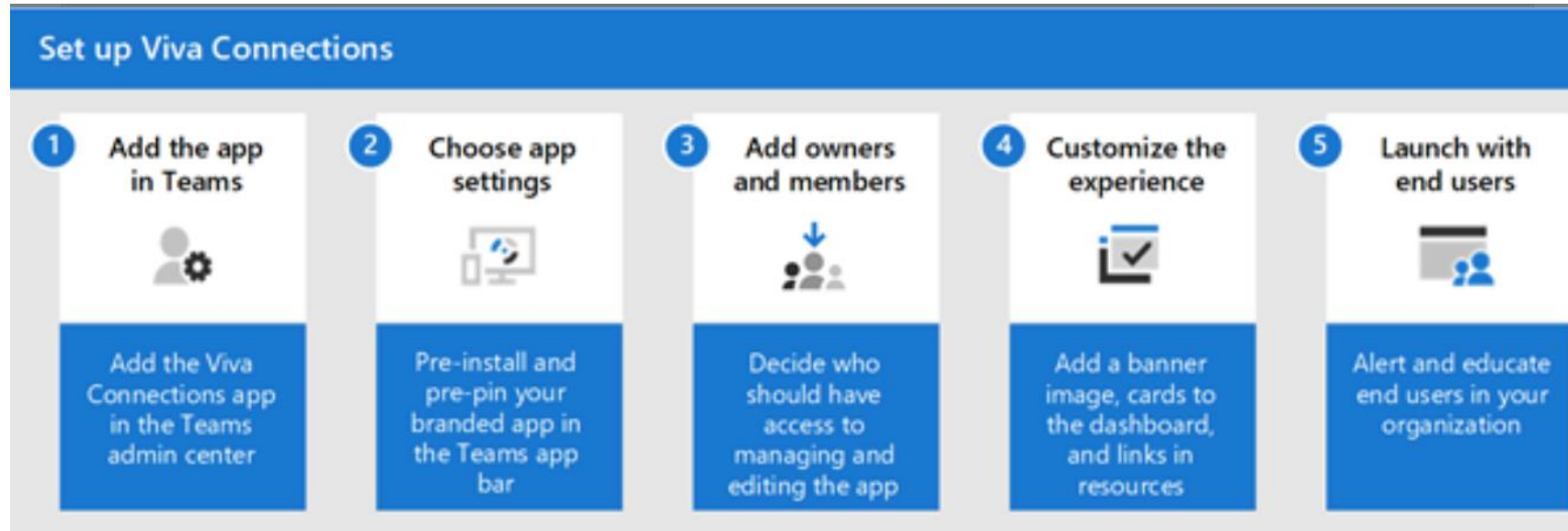


What is Viva Connections

“Microsoft Viva Connections is a desktop and mobile experience that brings together relevant news, conversations, and resources in one place for your organization.”

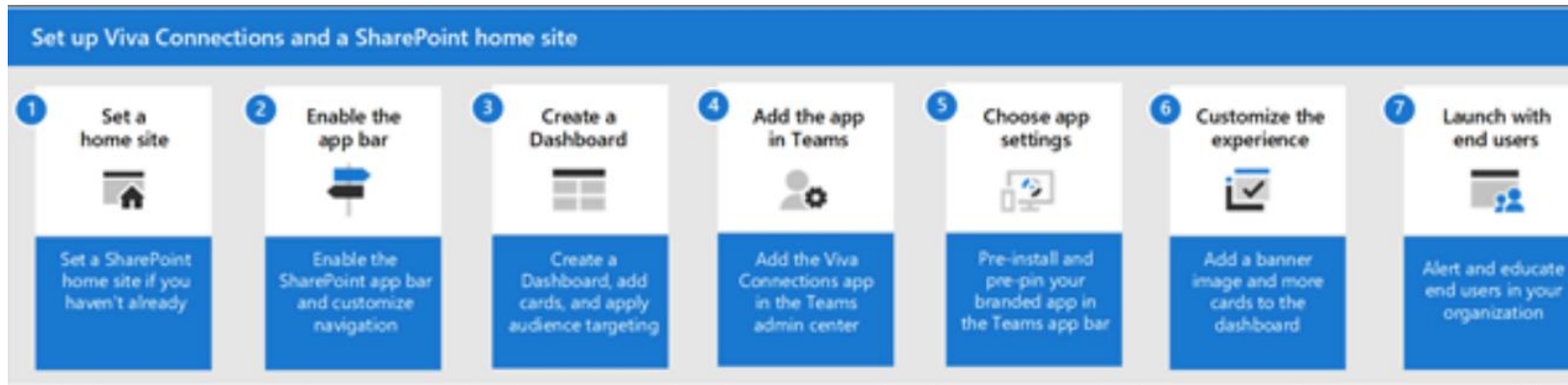


Set up Viva Connections without Home Site



<https://docs.microsoft.com/en-us/viva/connections/guide-to-setting-up-viva-connections>

Set up Viva Connections with Home Site



<https://docs.microsoft.com/en-us/viva/connections/guide-to-setting-up-viva-connections>



The Landing

Who we are ▾

What's happening ▾

Find it ▾

My SharePoint

Dashboard

Dashboard details

Published 5/4/2022 [Edit](#)

Top News

You are all caught up on top news today!

Time off

11 days

Currently available
paid time off[Report](#)

Office 365

FAQs

Search FAQs and ask
community a
question[Top 5 questions](#)

Microsoft Ignite

Register, play, pause,
and rewind prized
moments[Learn more](#)

Inventory

+2.56%

Today's update
across top selling
items

Holidays

Nov 25

Thanksgiving is the
next company
holiday[See all](#)

Café 34

Get today's menu,
specials and hours

Devices

HoloLens 2

For precise, efficient
hands-free work

Praise

Show gratitude to
peers who went above
and beyond at work.

Pay slip

December 14

Your next pay date
and all the details

Team calendar

This week

3 team members are
out of office, 1 report
due

Health Check

FREE COVID-19 vaccine
and testing at the
Health Center[Schedule](#)


Benefits


Enroll for 2022


Choose from the
latest benefit options


Dashboard


See all | [Edit](#)


 Time off
11 days
Currently available paid time off
[Report](#)


 Office 365
FAQs
Search FAQs and ask community a question
[Top 5 questions](#)


 Microsoft Ignite
Register, play, pause, and rewind prized moments
[Learn more](#)


 Inventory
+2.56%
Today's update across top selling items


 Holidays
Nov 25
Thanksgiving is the next company holiday
[See all](#)


 Café 34
Get today's menu, specials and hours


 Devices
HoloLens 2
For precise, efficient hands-free work

 Praise
Show gratitude to peers who went above and beyond at work.

 Pay slip
December 14
Your next pay date and all the details

 Team calendar
This week
3 team members are out of office, 1 report due

 Health Check
FREE COVID-19 vaccine and testing at the Health Center
[Schedule](#)

 Benefits
Enroll for 2022
Choose from the latest benefit options

10:28



Viva Connections

Today's Menu

Check out today's menu with different options

Open



Web link

Create a dashboard card that links to any web page or site, including...

Approvals

Send and keep track of your requests all in one place


Create request

Viva Insights

Improve your productivity and wellbeing with Microsoft Viva...

Cloud Hub

Receive important news from your Microsoft tenant.

 My M365 Group



The Appeal
Is In The Aesthetics



Viva - ACE – “Card” types and templates

Basic

1. Title of the ACE
2. Primary Text (context)

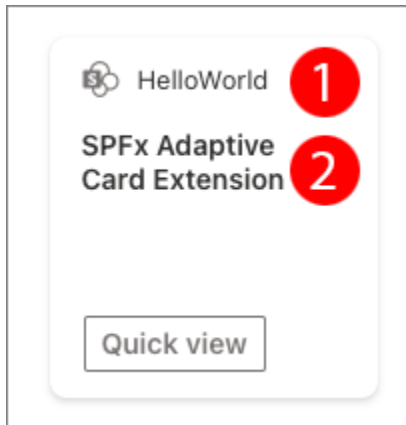
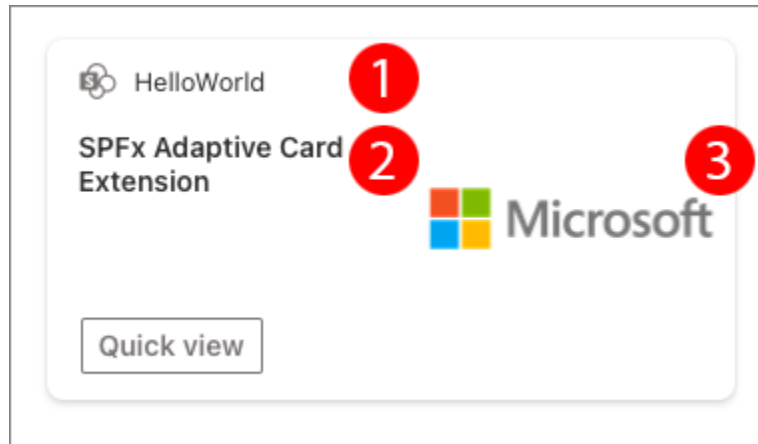


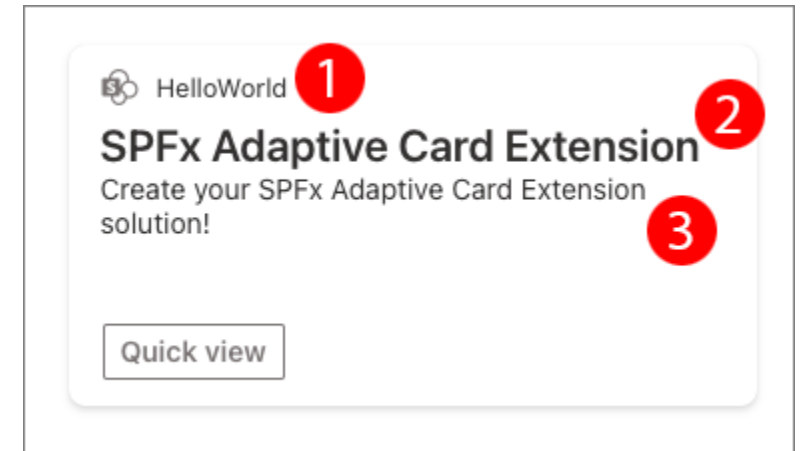
Image Card View

1. Title of the ACE
2. Primary Text (context)
3. Image URL



Primary Text Card View

1. Title of the ACE
2. Primary Text (context)
3. Description



Your flight booking

Passengers

Sarah Hum
Jeremy Goldberg

2 Stops

Tue, May 30, 2023 9:25 PM

San Francisco, SFO
to
Amsterdam, AMS

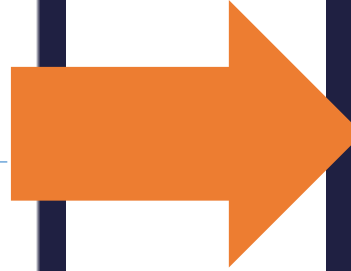
Non-Stop

Wed, Jun 5, 2023 10:50 AM

Amsterdam, AMS
to
San Francisco, SFO

Total

\$4,032.54



Your flight booking

Passengers

Sarah Hum
Jeremy Goldberg

2 Stops

Tue, May 30, 2023 9:25 PM

San Francisco

SFO



Amsterdam

AMS

Non-Stop

Wed, Jun 5, 2023 10:50 AM

Amsterdam

AMS



San Francisco

SFO

Total

\$4,032.54

EXPENSE APPRO...

 Pending

Trip to AMS

EXPORT AS PDF

ER-13052

Submitted By **Toni Pohl** toni@mycompany.org
Duration 2023-01-15 to 2023-01-20
Submitted On 2023-01-10
Reimbursable Amount \$400.00
Awaiting approval from **Martina Grom** martina@mycompany.org
Submitted to **Andele Vance** adele@mycompany.org

DATE	CATEGORY	AMOUNT
06-19	Air Travel Expense	\$300.00 ▾
06-19	Auto Mobile Expense	\$100.00 ▾
06-21	Excess Baggage Cost	\$50.38 ▾

Total Expense Amount \$450.38
Non-reimbursable Amount (-) \$50.38
Advance Amount (-) 0.00

Amount to be Reimbursed **\$400.00**

[Show history](#)

Approve

Reject

Step 1 – your data

Tell us about yourself



We just need a few more details to get you booked for the trip of a lifetime!

Don't worry, we'll never share or sell your information.

Your name (Last, First) *

Developer, Toni

Your email *

toni@mycompany.org

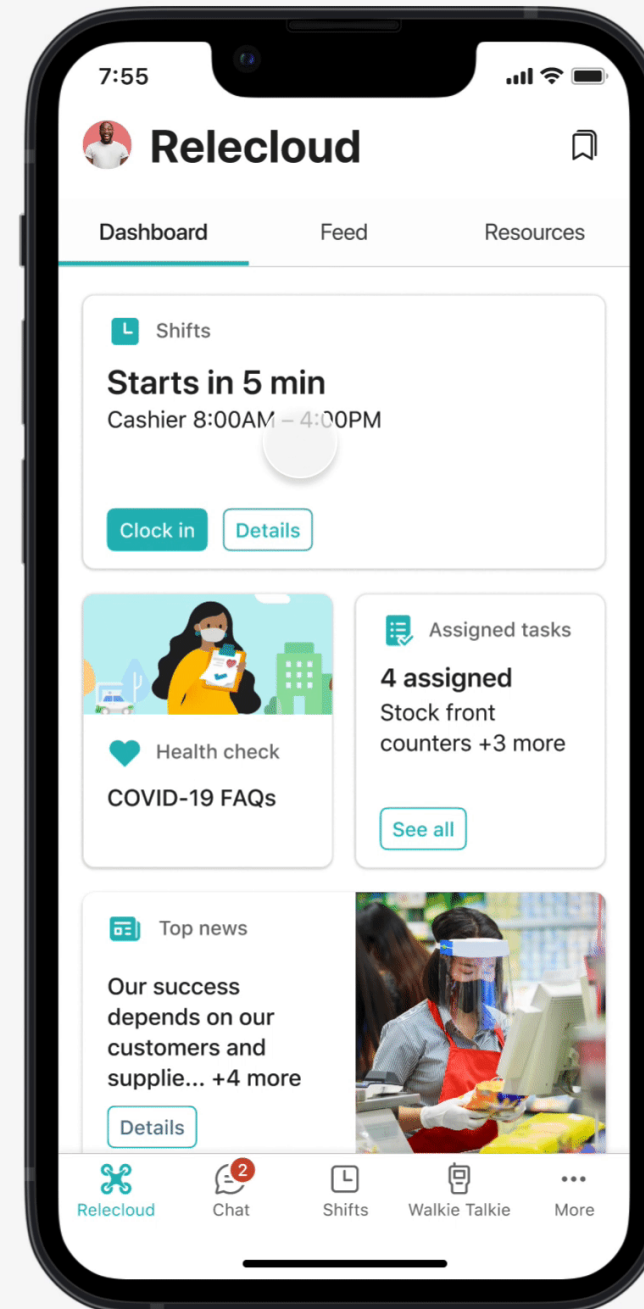
Phone Number (xxx-xxx-xxxx) *

571-345-6789

Submit

Viva Connections design principles

- Integrate rather than duplicate
- Stay in context
- Bring cards to life with relevant and dynamically refreshable data
- Avoid too many clicks



Real-life Use cases for Employee Apps

- News
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Visualize data with Adaptive Cards (AC)

“...an AC is a web part that provides a rich, interactive user experience to present information, displaying images and text, and collecting user input in a visually appealing way.”



Real-life: Employee badge

Toni Developer

Developer

toni@.onmicrosoft.com

Language: en-US

Location: Vienna



Mobile: +43 678 101202303

Phone: +43 1 101202303

Employee ID: ee298a92-
[redacted]


Notes: -

My account



daysLunch

Our mission &



Toni Developer
Developer

Approvals

Send and keep track of your requests all in one place

Create request

Design Adaptive Cards

<https://adaptivecards.io>



[Activity update](#)[Calendar reminder](#)[Flight itinerary](#)[Flight update](#)[Food order](#)[Image gallery](#)[Restaurant](#)[Sporting event](#)[Stock update](#)[Weather compact](#)[Weather large](#)[Product video](#)[Agenda](#)[Expense report](#)[Flight details](#)[Simple fallback](#)[Activity update with labels](#)[Calendar reminder with labels](#)

Samples and Templates

These samples are *just a teaser* of the type of cards you can create. Go ahead and tweak them to make any scenario possible!

Important note about accessibility: In version 1.3 of the schema we introduced a [label](#) property on Inputs to improve accessibility. If the [Host app you are targeting](#) supports v1.3 you should use **label** instead of a **TextBlock** as seen in some samples below. Once most Host apps have updated to the latest version we will update the samples accordingly.

Food order sample

JSON

[Copy](#)

```
{
  "$schema": "http://adaptivecards.io/schemas/adaptive-card.json",
  "type": "AdaptiveCard",
  "version": "1.0",
  "body": [
    {
      "type": "TextBlock",
      "text": "Your registration is almost complete",
      "size": "medium",
      "weight": "holder",
```

The JSON "code"

☐ Use Adaptive Card Templating

Updated May 2020

Templating enables the separation of **data** from the **layout** in an Adaptive Card. It helps design a card once, and then populate it with real data at runtime. *Note:* The binding syntax changed in May 2020. [Get started with templating](#) >

The output

Adaptive Card

[Try it Yourself >](#)**Your registration is almost complete**

What type of food do you prefer?



Steak ▾



Chicken ▾



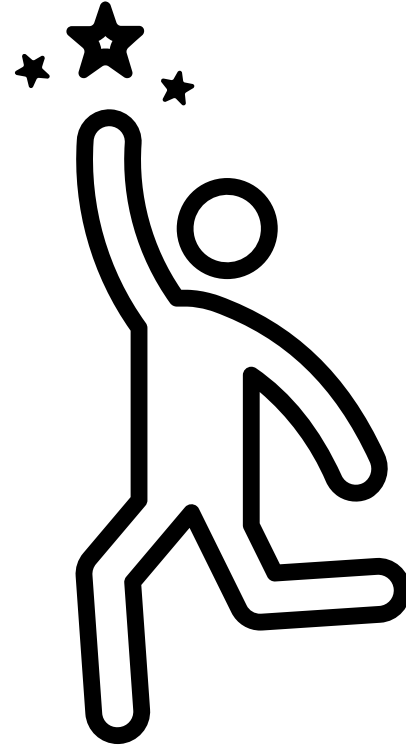
Tofu ▾

Static ACE's

Use static Adaptive Card Extensions in Viva Connections

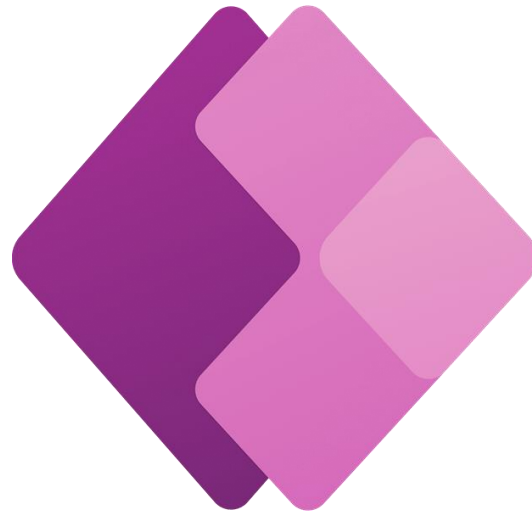
You can use Adaptive Cards within Microsoft 365!

- Microsoft Teams
- SharePoint
- Outlook
- Power Apps
- Microsoft Forms
- Microsoft Search
- Viva Connections
- Bots
- Websites
- More to come...

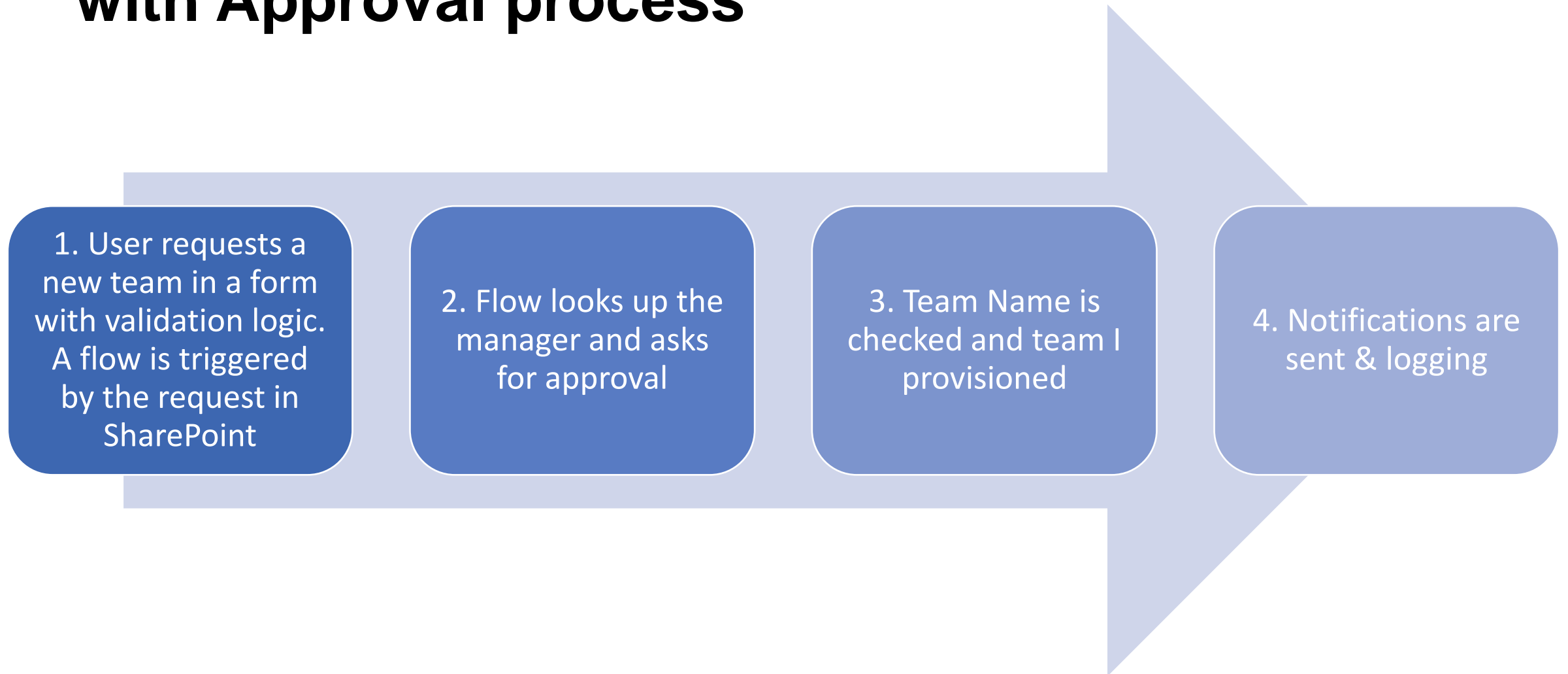


Use Power Apps in Viva Connections

“...use No-Code and Low-Code Power Apps as User Interface for your business processes.”



Demo: Workflow for provisioning a new Team with Approval process



Development

Use Microsoft Graph – Employee Badge

Dynamic Restaurant info app – Menu Selection



Building SPFx experiences in Microsoft 365

The easiest way to build your enterprise solutions for Microsoft Teams, Microsoft Viva, Outlook, Microsoft 365 app and SharePoint

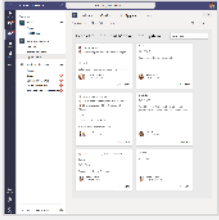


Microsoft Teams

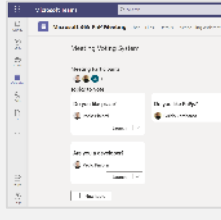
Personal Apps



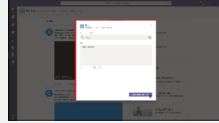
Teams tabs



Meeting apps



Messaging extensions



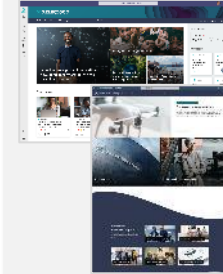
Microsoft Viva

Cards

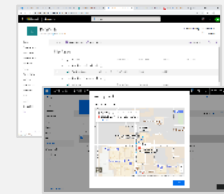


SharePoint

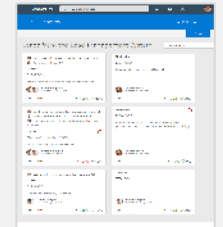
Web Parts



Extensions



App pages



Outlook and Microsoft 365 app (Office)

Content driven applications | SSO | Automatic code hosting | Industry standard tooling

Develop your app

```
yo @microsoft/sharepoint
```

```
Windows PowerShell
> yo@4.3.0 postinstall C:\Users\Toni\AppData\Roaming\npm\node_modules\yo
> yodoctor

'yodoctor' is not recognized as an internal or external command,
operable program or batch file.
+ gulp-cli@2.3.0
+ yo@4.3.0
+ @microsoft/generator-sharepoint@1.14.0
added 260 packages from 169 contributors and updated 2 packages in 77.178s
PS C:\Repo\Playground\spfx-company-announcements-ace> yo @microsoft/sharepoint

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  |  Y   |

Welcome to the
SharePoint Online SPFx
Yeoman Generator@1.14.0

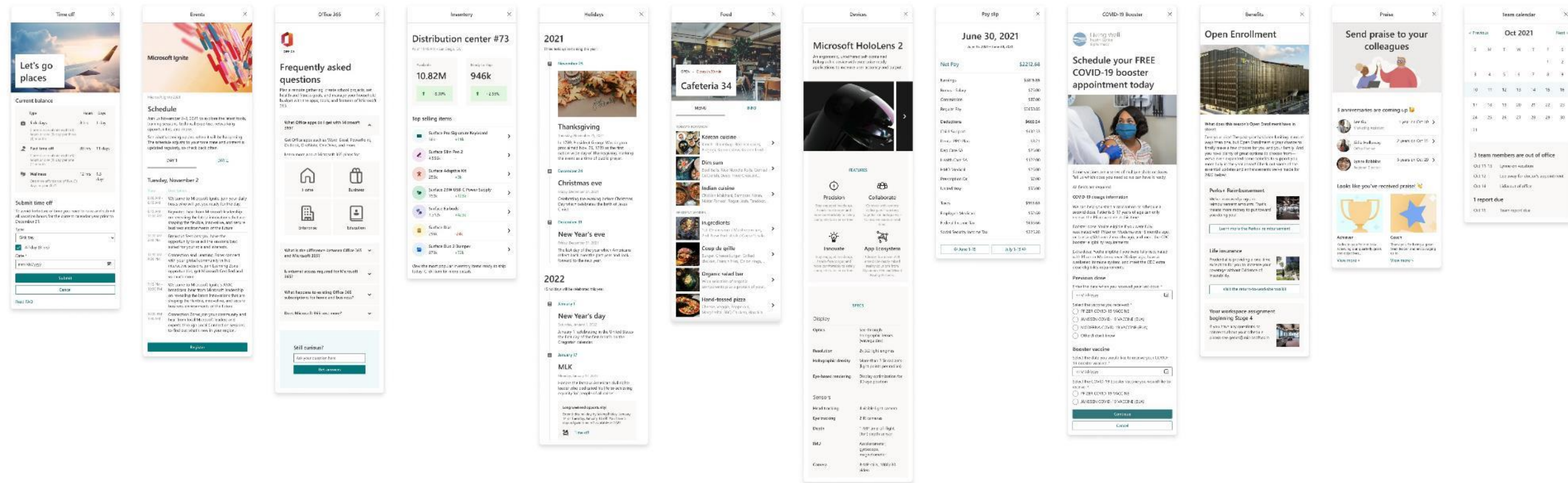
See https://aka.ms/spfx-yeoman-info for more information on how to use this generator.
Let's create a new SharePoint solution.
? What is your solution name? spfx-company-announcements-ace
? Which type of client-side component to create? Adaptive Card Extension
? Which template do you want to use? Basic Card Template
Add new Adaptive Card Extension to solution spfx-company-announcements-ace.
? What is your Adaptive Card Extension name? Important announcements

create package.json
```

Decision Framework for Viva Connections Apps

Topic	1 st party cards	Weblink	ACE's	Teams Apps	3 rd party apps
Description	<div>Built-in, Available OOB</div> <div><ul style="list-style-type: none">• Approvals• Assigned Tasks• Shifts• Top News• ...</div>	<div>Use ANY existing website or application</div> <div><ul style="list-style-type: none">• Power Apps• SAP Fiori• Custom Apps</div>	<div>Quick view, good looking , design principles for ACE's</div> <div><ul style="list-style-type: none">• Static ACE's• Dynamic ACE's *</div>	<div>More functionality & design</div> <div><ul style="list-style-type: none">• SPFx v1.16.x• Media upload• Geo Location• Supports Outlook & Office.com (M365 apps)</div>	<div>More functionality & design, integrate SaaS solutions</div> <div><ul style="list-style-type: none">• Install from Teams Marketplace• Use installed apps instantly</div>
Opens browser	Yes	Yes	No	Yes	Depends
Time	Low	Low	Medium	High	Low
Budget	\$	\$	\$ - \$\$	\$\$\$	\$ - \$\$\$
Technical Requirement	Low	Low	Low, * Developer	Developer	Low
Outcome	High Value	Easy to use	Simple results	App Development	High Value

Adaptive Card Quick view Samples



<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/viva/design/designing-quick-view>

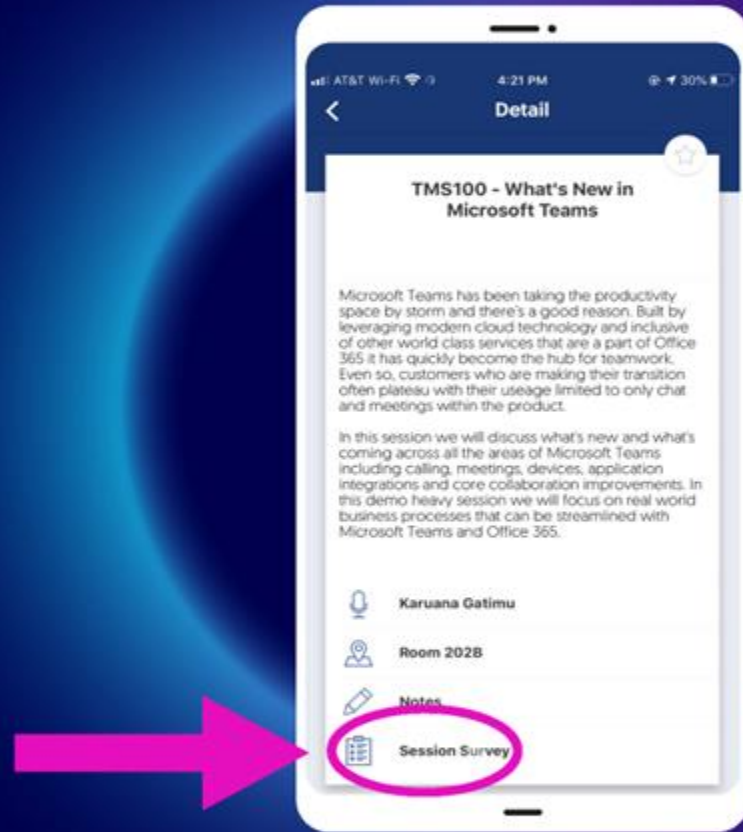
Links

- Set up Viva Connections
<https://docs.microsoft.com/en-us/viva/connections/guide-to-setting-up-viva-connections>
- Set up your SharePoint Framework development environment
<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/set-up-your-development-environment>
- SharePoint Framework release notes
<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/roadmap>
- Viva Connections Adaptive Card Extension design guidance
<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/viva/design/design-intro>
- Open-source designs for Adaptive Cards
<https://docs.microsoft.com/en-us/sharepoint/dev/spfx/viva/design/quick-view-samples>
- Viva Connection Adaptive Card Extensions (ACEs) sample repository
<https://github.com/pnp/sp-dev-fx-aces>
- Create an SPFx Image Card ACE displaying image carousel
<https://learn.microsoft.com/en-us/training/modules/sharepoint-spfx-adaptive-card-extension-card-types/5-exercise-ace-image-card>
- Microsoft Graph Explorer
<https://aka.ms/ge>
- Presentation & samples
<https://github.com/tonipohl/VivaConnections>

How was the session?

Search for **365 EduCon** in the App Store or Google Play

Fill out the Session Surveys in the **365 EduCon App** and be eligible to win **PRIZES!**



Thank you!



Resources:

<https://github.com/tonipohl/VivaConnections>

Let's connect!

 @magrom

 @atwork

Pls. rate the session in the
365 EduCon App

