Unleashing the Power of Adaptive Cards in Viva Connections



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What is Viva Connections

"Microsoft <u>Viva Connections</u> is a desktop and mobile experience that brings together relevant news, conversations, and resources in one place for your organization."





Set up Viva Connections





Modernize, polish, and prioritize content and experiences Set a home site



Set a SharePoint home site if you haven't already Enable the app bar



Enable the SharePoint app bar and customize navigation 4

Create a Dashboard



Create a Dashboard, add cards, and apply audience targeting

5 Prepare content for the Feed



Prioritize content that will appear in the Feed on the mobile app 6 Add the app in Teams



Add the Viva Connections app in the Teams admin center Choose mobile settings

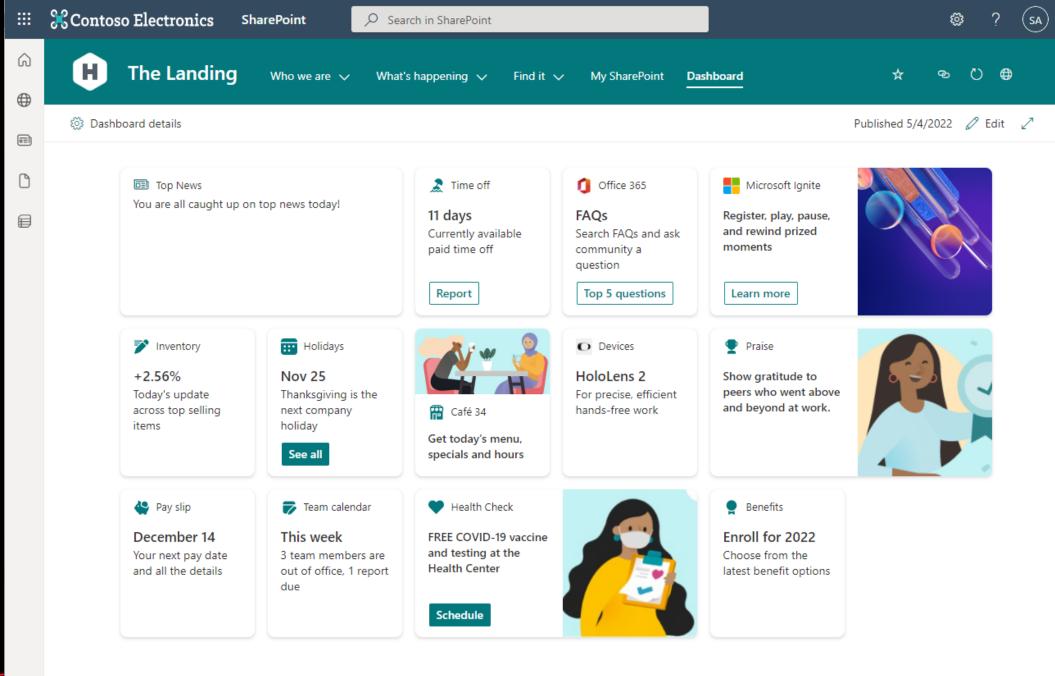


Pre-install and pre-pin your branded app in the Teams mobile app bar B Launch with end-users



Alert and educate end-users in your organization

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



10:28 매 후 📟 Viva Connections Today's Menu Check out today's menu with different options Open Web link & Approvals Send and keep track Create a dashboard of your requests all card that links to in one place any web page or site, including... Create request (a) Cloud Hub Viva Insights Improve your Receive important productivity and news from your wellbeing with Microsoft tenant. Microsoft Viva... AND NAVER COURSE



What is an Adaptive Card (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."





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



Trip to AMS

EXPORT AS PDF

ER-13052

Submitted By Duration

Toni Pohl toni@mycompany.org

2023-01-15 to 2023-01-20

Submitted On Reimbursable

2023-01-10 \$400.00

Amount

Awaiting approval Martina Grom

from

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

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

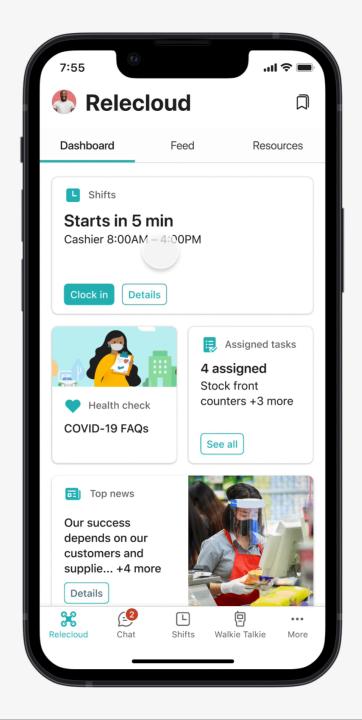
Submit

The Appeal Is In The Aesthetics



Viva Connections design principles

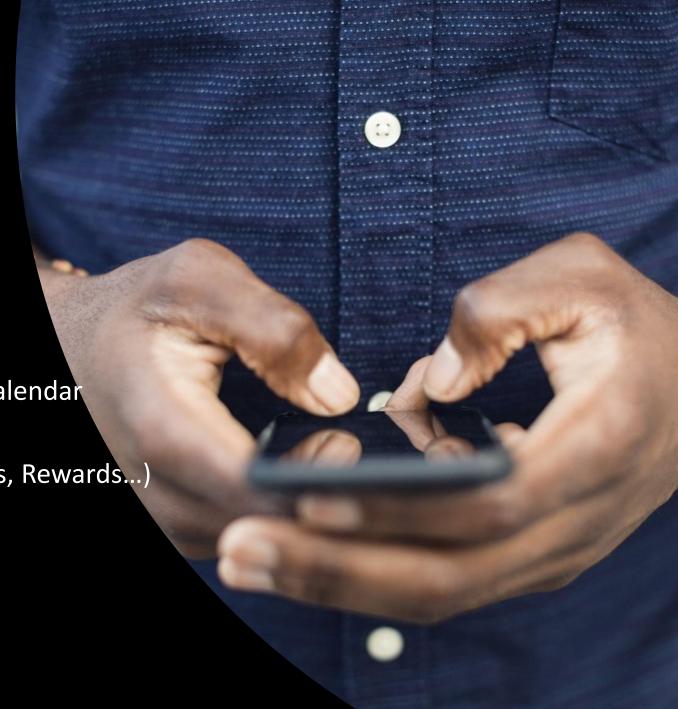
- Integrate rather than duplicate
- Stay in context
- Bring cards to life with relevant and dynamically refreshable data
- Avoid too many clicks





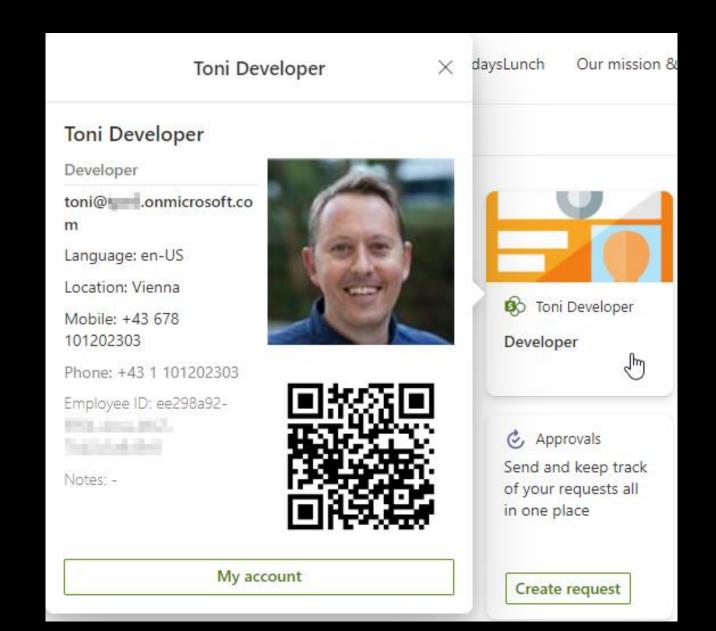
Real-life Use cases for Employee Apps

- News
- 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...)
- Idea generation
- Internal Phone Book
- KPI's





Real-life Employee badge





Viva - ACE - Card types and templates

Basic

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

HelloWorld SPFx Adaptive Card Extension Quick view

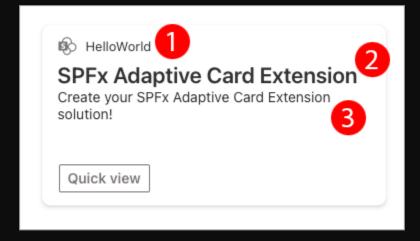
Image Card View

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



Primary Text Card View

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





Design Adaptive Cards

https://adaptivecards.io



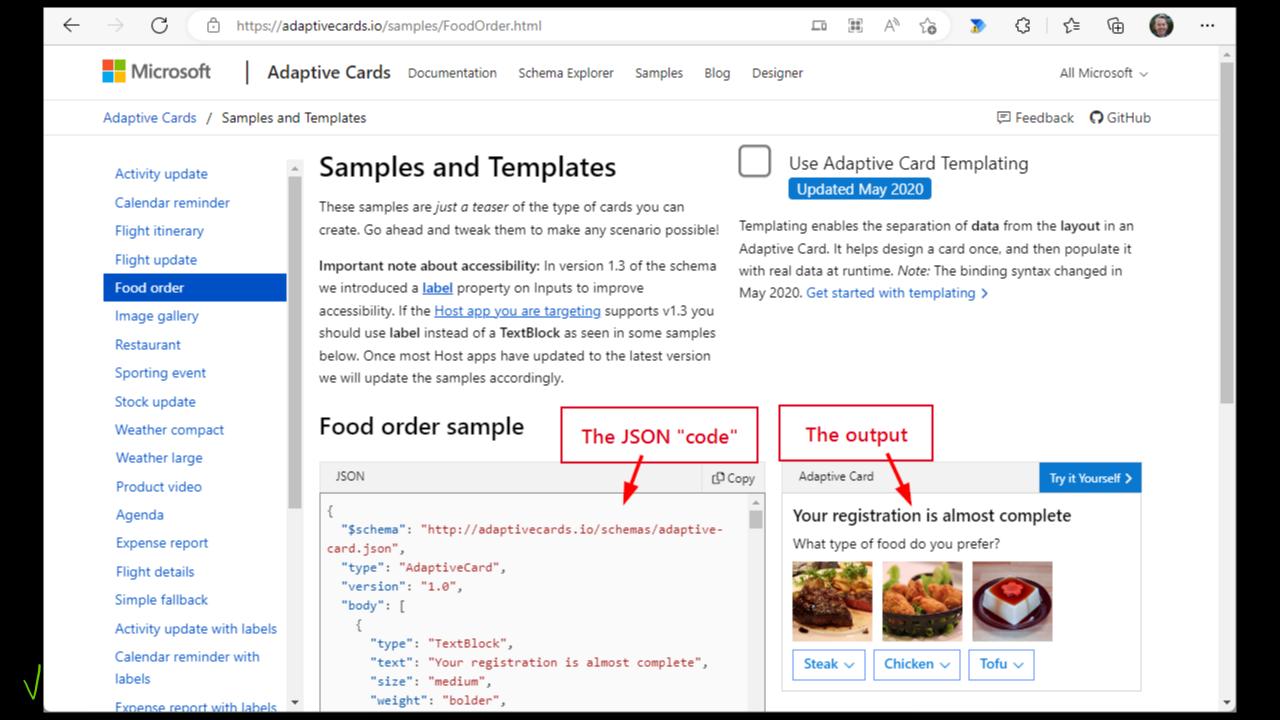


Demo: What is it?

Mark's ACE's demos

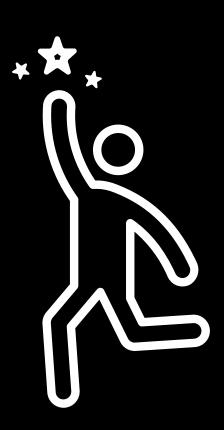
Use static AC's in Viva





You can use Adaptive Cards within Microsoft 365!

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





Demo: Development

Send an AC with a Flow
Send a custom approval AC with Outlook
Dynamic Restaurant info app



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

```
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

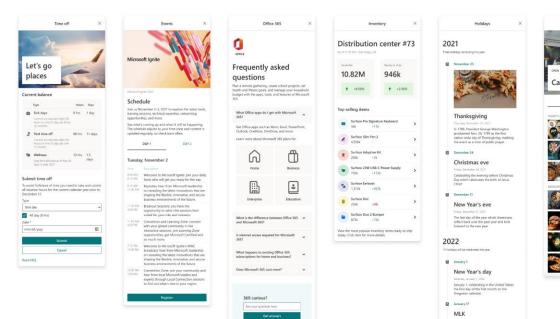
Summary



Decision Framework for Viva Connections Apps

Topic	1st party cards	Weblink	ACE's	Teams Apps	3 rd party apps
Description	 Built-in, Available OOB Approvals Assigned	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

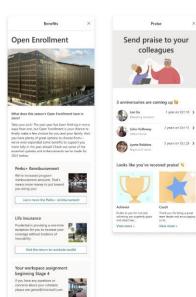
Adaptive Card Quick view Samples













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

Resources

- 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 guideance 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
 <a href="https://learn.microsoft.com/en-us/training/modules/sharepoint-spfx-adaptive-card-extension-card-types/5-exercise-ace-image-card-extension-card-types/5-exercise-ace-image-card-extension-card-types/5-exercise-ace-image-card-extension-card-ex
- This presentation & samples https://github.com/tonipohl/VivaConnections



Let's connect



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