

Microsoft 365 platform community call

December 6, 2022

Your host in this call:
Vesa Juvonen



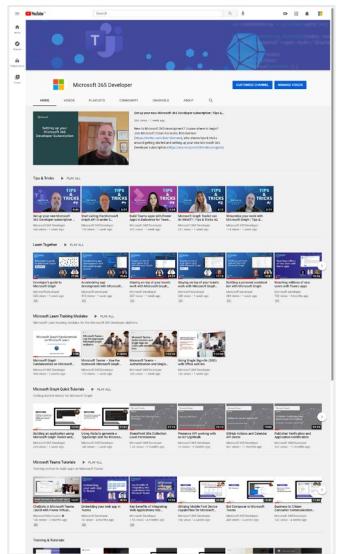
Agenda

- Latest updates and news on the Microsoft 365 platform
- Latest news across the Microsoft blogs
- Group picture time with Together Mode!
- Demos
 - Isaac Vargas Chacon – Microsoft Graph Python SDK (public preview) Update
 - Waldek Mastykarz – Building One Productivity Hub with SPFx for Teams, Microsoft 365 app, Outlook & SharePoint
 - Vesa Juvonen – Introduction to Microsoft Viva Toolkit to kickstart your Microsoft Viva extensibility



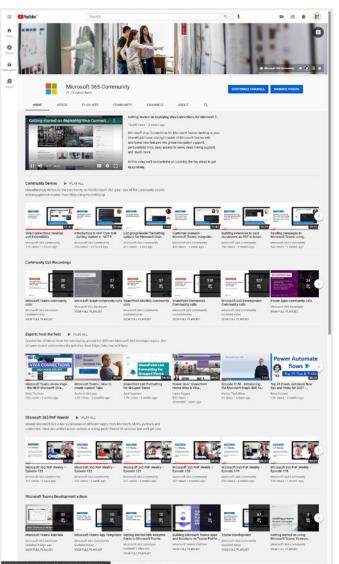
The first 2 demos were delivered, but not captured in today's call recording. The demos will be re-recorded and made available to you soon.

Microsoft 365 developer videos



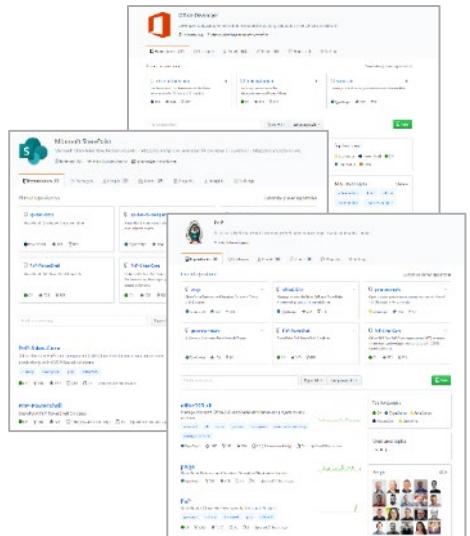
aka.ms/m365devyoutube

Microsoft 365 community videos



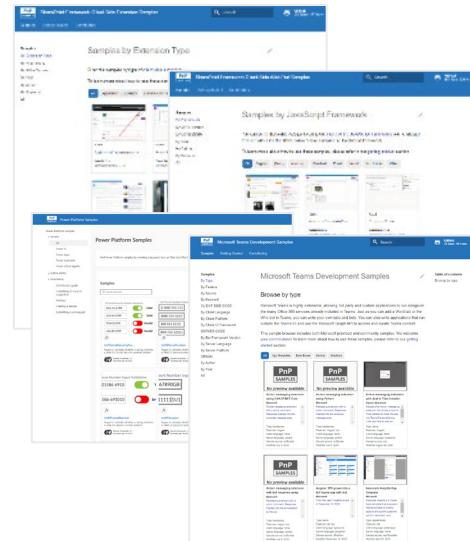
aka.ms/m365/videos

Open-source



github.com/pnp
github.com/OfficeDev
github.com/sharepoint
github.com/microsoftgraph

Sample galleries



aka.ms/m365/samples
aka.ms/teams-samples
aka.ms/spfx-webparts
aka.ms/powerplatform-samples
aka.ms/spfx-extensions
aka.ms/list-formatting

Open-source initiatives and samples



aka.ms/m365/community

Microsoft 365 developer community calls

Microsoft 365 platform (weekly) <https://aka.ms/m365-dev-call>

Microsoft identity platform

Office Add-ins

Power Platform

Microsoft 365 and Power Platform community (bi-weekly)

Viva Connections & SharePoint Framework (bi-weekly)

<https://aka.ms/IDDevCommunityCalendar>

<https://aka.ms/officeaddinscommunitycall>

<https://aka.ms/PowerAppsMonthlyCall>

<https://aka.ms/m365-dev-sig>

<https://aka.ms/spfx-call>

Download recurrent invites from

<https://aka.ms/m365/calls>

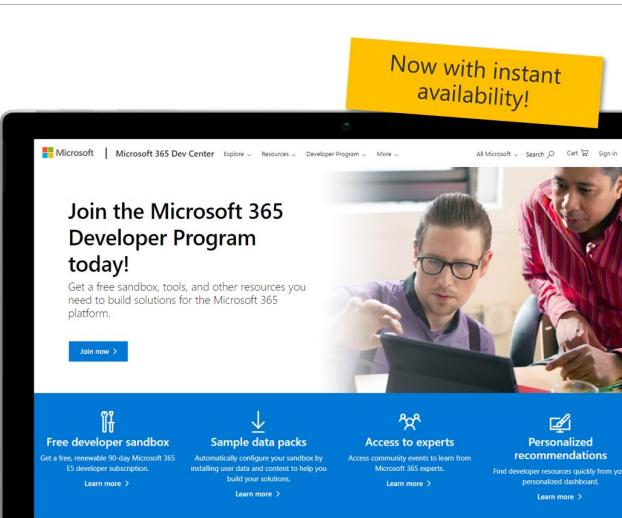


Getting started assets for Microsoft 365 dev

GUIDANCE

Register to Microsoft 365 Developer Program for **free** E5 developer tenant and other assets

aka.ms/m365/devprogram



Now with instant availability!

Join the Microsoft 365 Developer Program today!

Get a free sandbox, tools, and other resources you need to build solutions for the Microsoft 365 platform.

Join now >

Free developer sandbox

Sample data packs

Access to experts

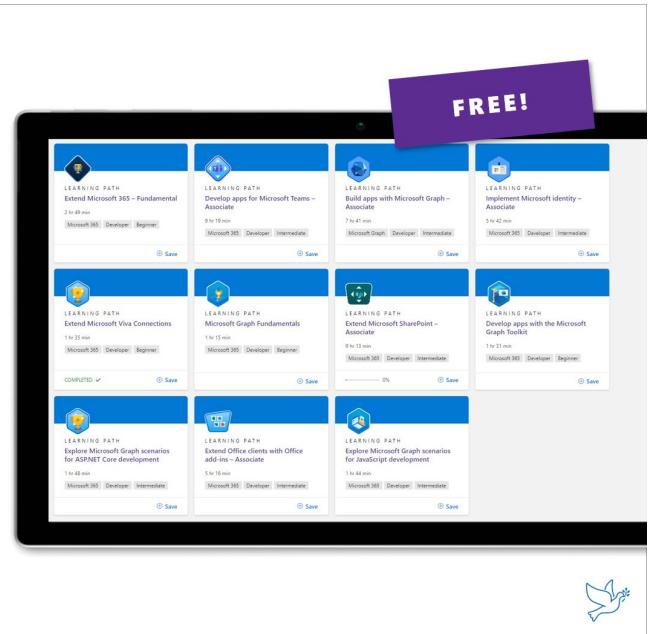
Personalized recommendations

aka.ms/m365/devprogram

LEARN

Get started on learning Microsoft 365 platform capabilities with these free training modules!

<http://aka.ms/m365/dev/learn>



FREE!

LEARNING PATH Extend Microsoft 365 – Fundamental

Extend Microsoft 365 – Associate

LEARNING PATH Develop apps for Microsoft Teams – Associate

LEARNING PATH Build apps with Microsoft Graph – Associate

LEARNING PATH Implement Microsoft identity – Associate

LEARNING PATH Extend Microsoft Viva Connections

LEARNING PATH Microsoft Graph Fundamentals

LEARNING PATH Extend Microsoft SharePoint – Associate

LEARNING PATH Develop apps with the Microsoft Graph Toolkit

LEARNING PATH Explore Microsoft Graph scenarios for ASP.NET Core development

LEARNING PATH Extend Office clients with Office add-ins – Associate

LEARNING PATH Explore Microsoft Graph scenarios for JavaScript development

aka.ms/m365/dev/learn

Microsoft 365 Developer podcasts



The screenshot shows the Microsoft 365 Developer Podcast website. It features a red header with the text "Microsoft 365 Developer Podcast" and a photo of two hosts. Below the header, there's a summary of the podcast, its hosts (Jeremy Thake and Paul Schaelein), and its official account on Twitter (@m365devpodcast). A "Following" button is visible. At the bottom, there's a Microsoft logo and a small blue bird icon.

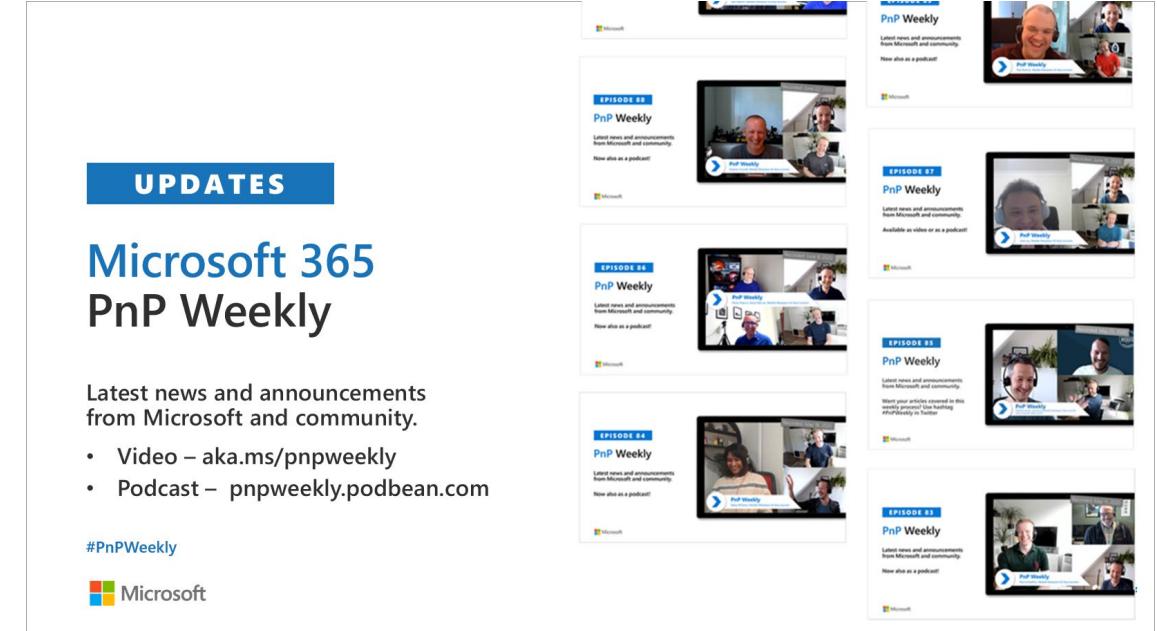
Microsoft 365 Developer Podcast

Weekly podcast concentrating fully to Microsoft 365 dev topics – hosted by Jeremy Thake (Microsoft) and Paul Schaelein (Addin365)

m365devpodcast.com

Microsoft

m365devpodcast.com



The screenshot shows the Microsoft PnP Weekly website. It has a "UPDATES" section with the title "Microsoft 365 PnP Weekly". Below the title, it says "Latest news and announcements from Microsoft and community." There are two bullet points: "Video – aka.ms/pnpweekly" and "Podcast – pnpweekly.podbean.com". At the bottom, there's a Microsoft logo.

UPDATES

Microsoft 365 PnP Weekly

Latest news and announcements from Microsoft and community.

- Video – aka.ms/pnpweekly
- Podcast – pnpweekly.podbean.com

#PnPWeekly

Microsoft

Video – aka.ms/pnpweekly
Podcast – pnpweekly.podbean.com

SAMPLES

New Microsoft 365 sample gallery with more than **1300** samples from Microsoft and community

aka.ms/m365/samples

The Microsoft Adoption website features a "Sample Solution Gallery" where users can explore over 1000 solutions. The gallery includes various adaptive card extensions and personal apps. One notable example is the "Wellbeing days requests and reminder - Adaptive Cards Extensions and Teams personal app" by Waldek Mastykarz and Anoop Tatti. Another example is the "Timeline in Board View" by Tetsuya Kawahara. The sidebar on the right provides a categorized list of products, with "All Products" currently selected.

Sample Solution Gallery

Explore our sample gallery filled with solutions that integrate seamlessly to the

Search by keyword or author name

1013 results

Wellbeing days requests and reminder - Adaptive Cards Extensions and Teams personal app

Waldek Mastykarz, Anoop Tatti
Modified on Mar 08, 2022

Timeline in Board View

Tetsuya Kawahara
Modified on Mar 05, 2022

Adaptive Card Extentions Design Template Gallery and Personal App

Derek Cash-Peterson
Modified on Mar 01, 2022

Microsoft Adoption

Roles Products Solutions Resources Training Special Events Communities Virtual Hub

Microsoft Adoption

Roles Products Solutions Resources Training Special Events Communities Virtual Hub

Microsoft 365 Sample Solution Gallery / Adaptive Card Extentions Design Template Gallery And Personal App

Microsoft Teams Viva

This solution showcases twelve sample Adaptive Card Extentions and deploys a personal app to demonstrate deep linking to Teams. It is designed to show the art of the possible for ACE development and allow for a quick start.

View on GitHub Download on GitHub

CLIENT-SIDE-DEV: React
SPFx-VERSION: 1.13.0

References

All Products

All Products

Microsoft Lists

Microsoft Teams

Azure AD

Office

Power Apps

Power Automate

Power Fx

SharePoint

Viva

Microsoft Graph

Microsoft Graph Toolkit

GUIDANCE

Learn how to get started in the open-source PnP community!

Upcoming Sessions:

- General First Time Contributor
- Power Platform Samples Contributor
- *Writing for the Web*
- SPFx Developer Workstation Setup
- Using PnP SPFx samples w/ NVM
- More than code with VS Code
- First-time presenter
- M365 Maturity Model Practitioners

New Sessions
Available for
Registration

The image shows a tablet displaying the 'Sharing Is Caring' website. The header includes the site name 'PnP | Sharing Is Caring' and navigation links for 'SESSION SCHEDULES', 'OFFICE HOURS', 'BUDDY SYSTEM', 'TEAM', and 'ABOUT SHARING IS CARING'. Below the header, there's a section titled 'Upcoming Sessions' with the sub-instruction 'Please choose one of the available upcoming Sharing is Caring sessions.' Six session cards are displayed in a grid:

- First Time Contributor**: Shows a cartoon character wearing a party hat. Status: MORE DATES COMING SOON. Registration link: LEARN MORE →.
- Power Platform Samples Contributor**: Shows a screenshot of a Power Platform Samples page. Status: REGISTRATION OPEN. Registration link: LEARN MORE →.
- Community Docs**: Shows a screenshot of a Microsoft 365 Community Code page. Status: REGISTRATION OPEN. Registration link: LEARN MORE →.
- Writing for the Web**: Shows a screenshot of a 'Writing for the Web' page. Status: REGISTRATION OPEN. Registration link: LEARN MORE →.
- PnP SPFx Workstation Setup**: Shows a screenshot of a 'PnP SPFx Workstation Setup' page featuring various developer icons. Status: MORE DATES COMING SOON. Registration link: LEARN MORE →.
- PnP SPFx Samples with NVM**: Shows a screenshot of an 'nvm' (node version manager) terminal window. Status: MORE DATES COMING SOON.

<https://aka.ms/sharing-is-caring>

During **holiday season**,
we will transform the
calls to be as coffee &
tea meetings with the
community – without
specific demos

Timing - from 20th of
December to 3rd of
January (3 weeks)

Q&A and discussions

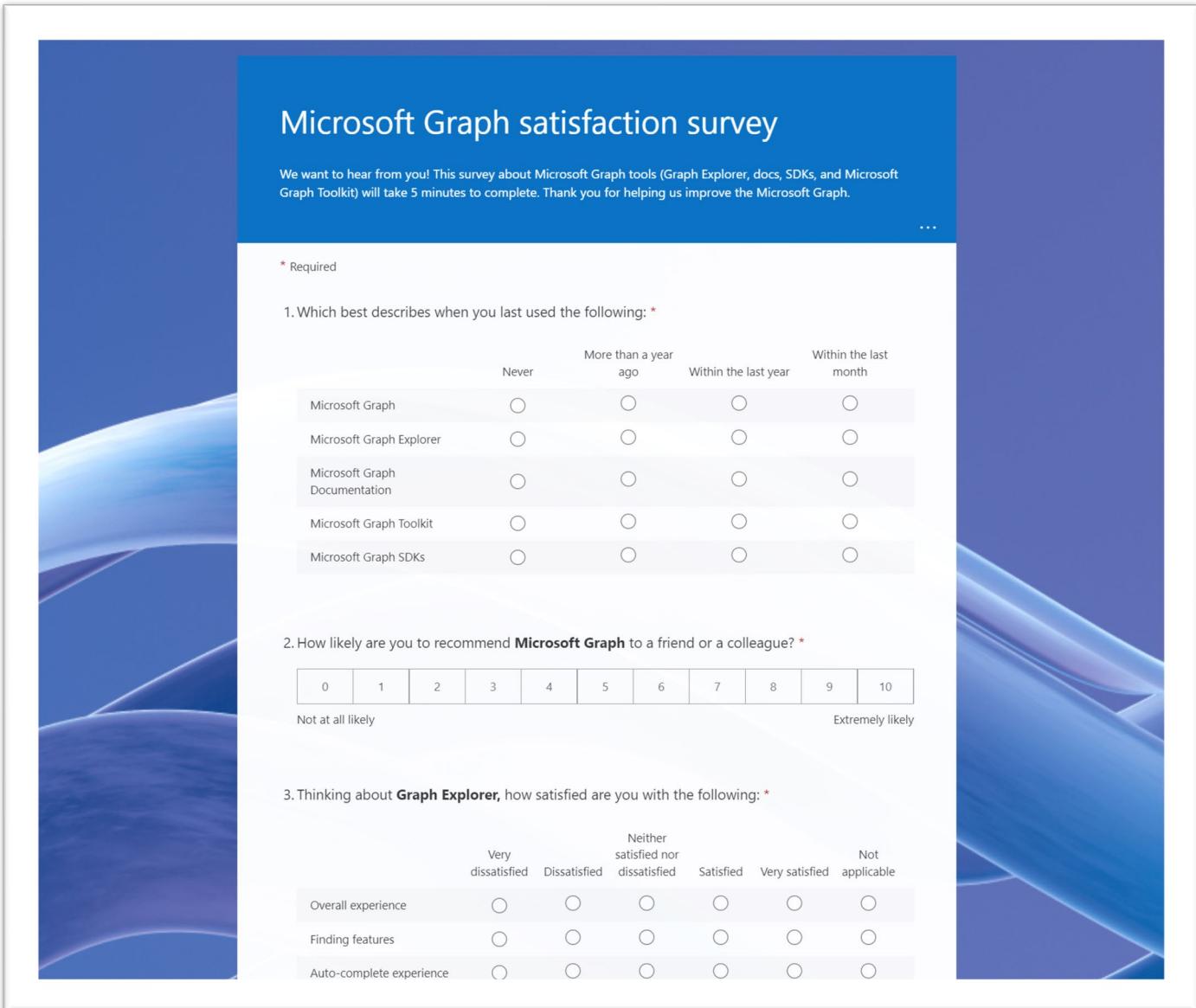


Microsoft Graph Satisfaction Survey

We want to hear from you!

This **short survey** about Microsoft Graph tools (Graph Explorer, docs, SDKs, and Microsoft Graph Toolkit) will take **5 minutes** to complete.

Thank you for helping us improve the Microsoft Graph.



The screenshot shows a survey titled "Microsoft Graph satisfaction survey". It starts with a brief introduction: "We want to hear from you! This survey about Microsoft Graph tools (Graph Explorer, docs, SDKs, and Microsoft Graph Toolkit) will take 5 minutes to complete. Thank you for helping us improve the Microsoft Graph." Below this is a section for required fields, indicated by an asterisk (*). The first question asks, "1. Which best describes when you last used the following: *". It includes five items: Microsoft Graph, Microsoft Graph Explorer, Microsoft Graph Documentation, Microsoft Graph Toolkit, and Microsoft Graph SDKs. Each item has four options: "Never", "More than a year ago", "Within the last year", and "Within the last month", each represented by an empty circle for selection. The second question asks, "2. How likely are you to recommend Microsoft Graph to a friend or a colleague? *". It features a scale from 0 (Not at all likely) to 10 (Extremely likely), with numerical labels and empty circles for each number. The third question asks, "3. Thinking about Graph Explorer, how satisfied are you with the following: *". It lists three items: Overall experience, Finding features, and Auto-complete experience. Each item has five satisfaction levels: Very dissatisfied, Dissatisfied, Neither satisfied nor dissatisfied, Satisfied, and Very satisfied, each with an empty circle for selection. There is also an option for "Not applicable".

aka.ms/graph-satisfaction-survey

Microsoft 365 Developer Blog

A developer platform for building collaborative apps for hybrid work

<https://aka.ms/m365dev/blog>

<https://aka.ms/teams/blog>

<https://aka.ms/microsoftviva/blog>

<https://aka.ms/sp-blog>



Principles for monetizing selected Microsoft 365 APIs

December 2, 2022

Microsoft Graph team

In this blog, we share some thoughts and principles about how we are approaching new metered services, with a pay-as-you-go model.

0 comments | 1 like | Microsoft Graph | Microsoft Teams



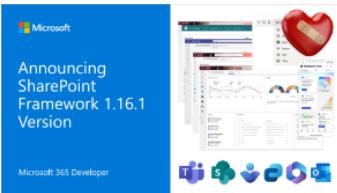
Introducing the Microsoft Graph Developer Proxy community preview

December 1, 2022

Sébastien Levert, Waldek Mastykarz

Based on developer feedback, we are introducing the first community preview of the Microsoft Graph Developer Proxy to improve the developer experience.

0 comments | 5 likes | Microsoft Graph



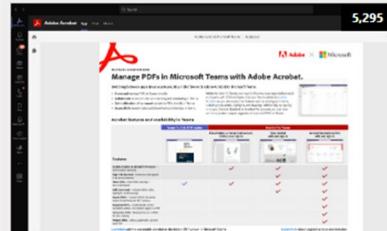
New SharePoint Framework version 1.16.1 is now available

November 30, 2022

Microsoft 365 Platform team

We recently released a new SharePoint Framework 1.16 version with a great set of new features expanding SharePoint Framework across Microsoft 365.

0 comments | 0 likes | SharePoint Framework | Microsoft Teams | Microsoft Viva



Adobe Acrobat streamlines the PDF experience in Microsoft...

evanw on Dec 05 2022 07:35 AM

Apps designed for collaboration can help keep employees in the flow of work by bringing the apps, data, and workflows to...



What's New in Microsoft Teams | November 2022

What's New in Microsoft Teams | November 2022

Holly Lehman on Nov 30 2022 06:00 AM

From meetings to devices, from large meetings to 1:1 chats, we keep finding ways to innovate in a fashion that you can c...

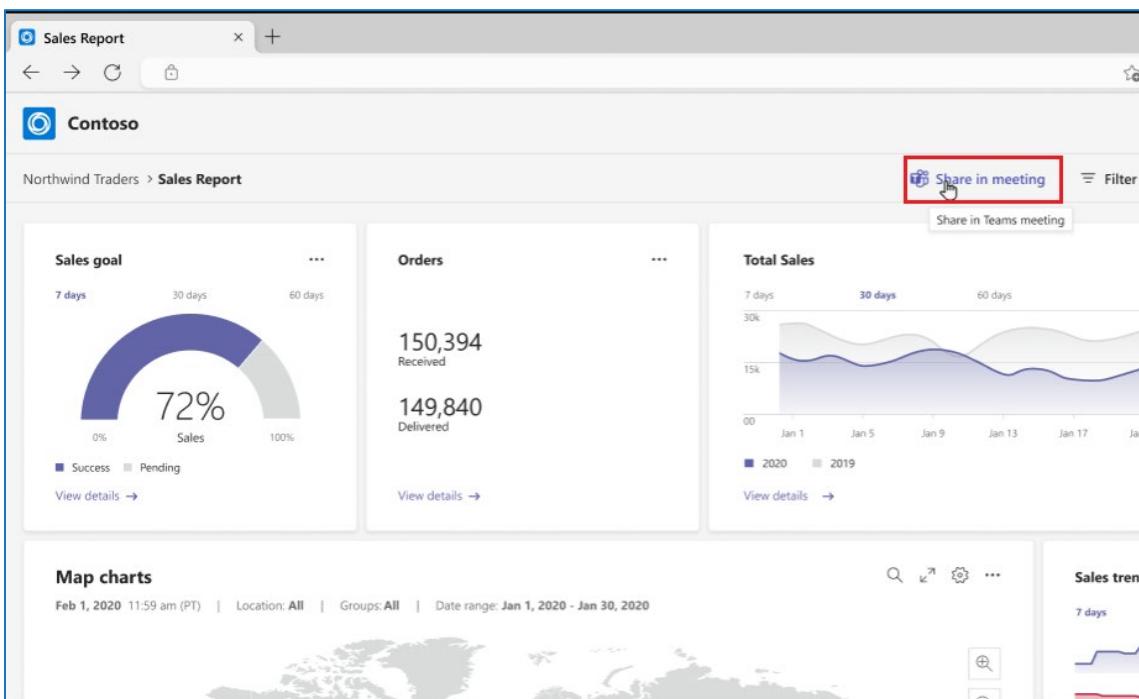


SharePoint Roadmap Pitstop: November 2022

Mark Kashman on Nov 30 2022 07:30 AM

Gobble, gobble - time to gobble up all the updates that landed for SharePoint and related tech on the month of November ...

1 Share in meeting (Developer Preview)



Docs: aka.ms/TeamsDevDocs > [Build apps for Teams meetings and calls](#)
> [Enable and configure apps for Teams meetings](#) > [Share in meeting](#)

2 Ready to Try app manifests

Try it yourself - experience the Apps in your Microsoft Teams client

Here are all the samples which are deployed on Microsoft Azure and you can try it yourself by uploading respective app packages (.zip files links below) to one of your teams and/or as a personal app. (Sideloading must be enabled for your tenant; [see steps here](#).) These apps are running on the free Azure tier, so it may take a while to load (warm up) if you haven't used it recently and it goes back to sleep quickly if it's not being used. Rest assured, once it's loaded it's pretty snappy.

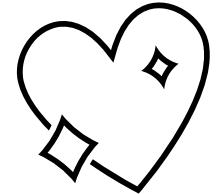
	Sample Name	Description	Manifest
1	SSO Demo	Microsoft Teams app SSO for Tab, Bot, ME - search, action, linkunfurl	View
2	Complete sample Demo	Complete sample to showcase various capabilities including bots, tabs, messaging extension	View
3	Task Module Demo	Sample app showing off the Teams Task Module, a way to invoke custom code from a bot, a tab, or both	View
4	Connectors	Sample Office 365 Connector generating notifications to teams channel.	View
5	Tabs with Adaptive Cards	Microsoft Teams tab sample code which demonstrates how to Build tabs with Adaptive Cards.	View
6	Meetings Stage View Demo	Enable and configure your apps for Teams meetings to use in stage view.	View

Sample repo: aka.ms/TeamsSamples

Optional picture time!

Video on and we'll grab a Together Mode pic with those who are willing to do this.

We are together on this as a community!



Let's all be like Seb



By enabling your camera for the picture, you grant us permission to share your picture in social media.

A photograph showing three people in an office hallway. A woman in a light grey sweatshirt and beige pants points towards a whiteboard with a marker. Two other people, a man in a black t-shirt and a woman in a striped blouse, are looking at the board. In the background, there's a wooden cabinet with a small logo on it.

DEMO

- Introduction to Microsoft Viva Toolkit to kickstart your Microsoft Viva extensibility
– Vesa Juvonen

SharePoint Framework

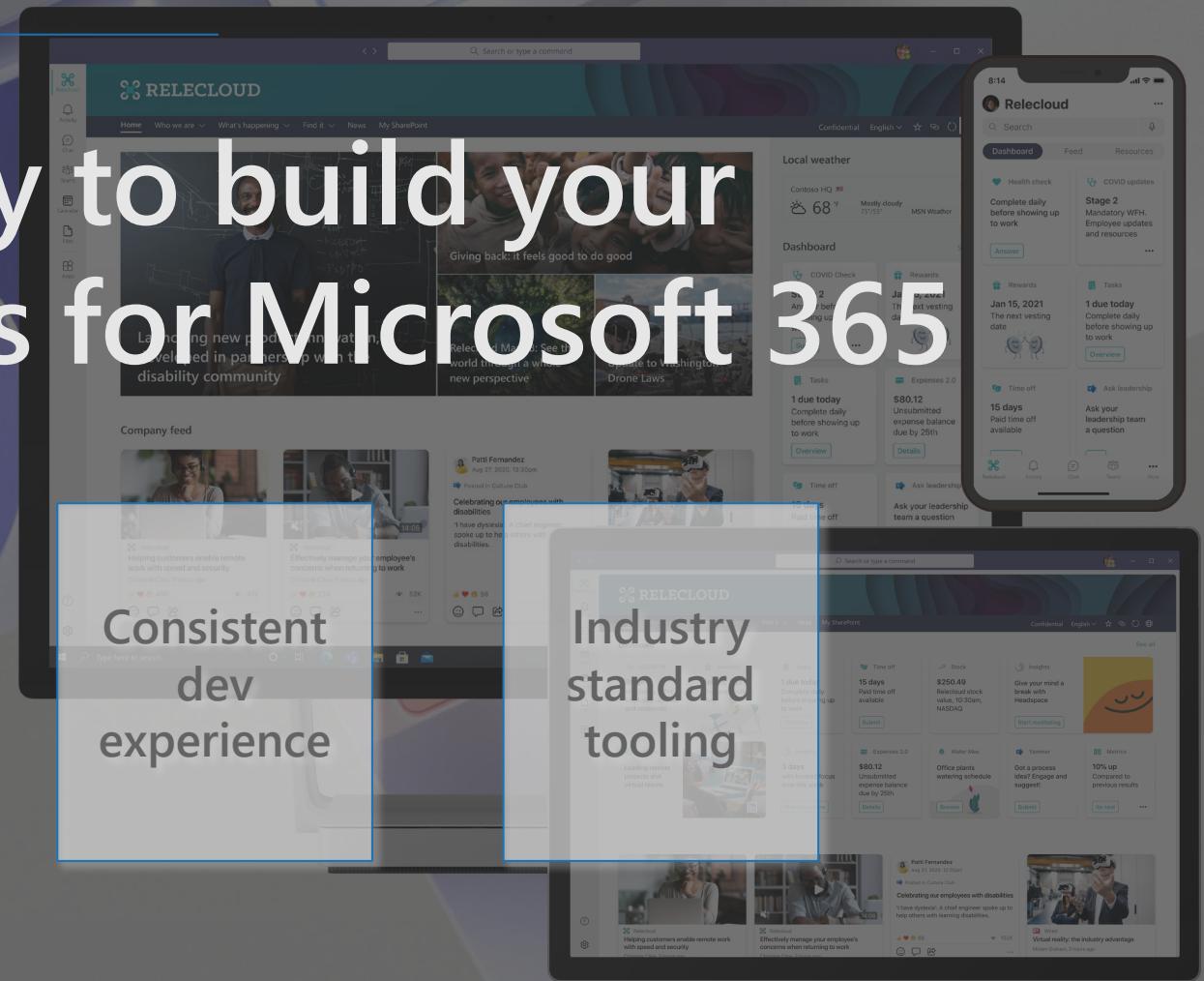
The easiest way to build your enterprise solutions for Microsoft 365

Automatic Single Sign On

Automatic hosting

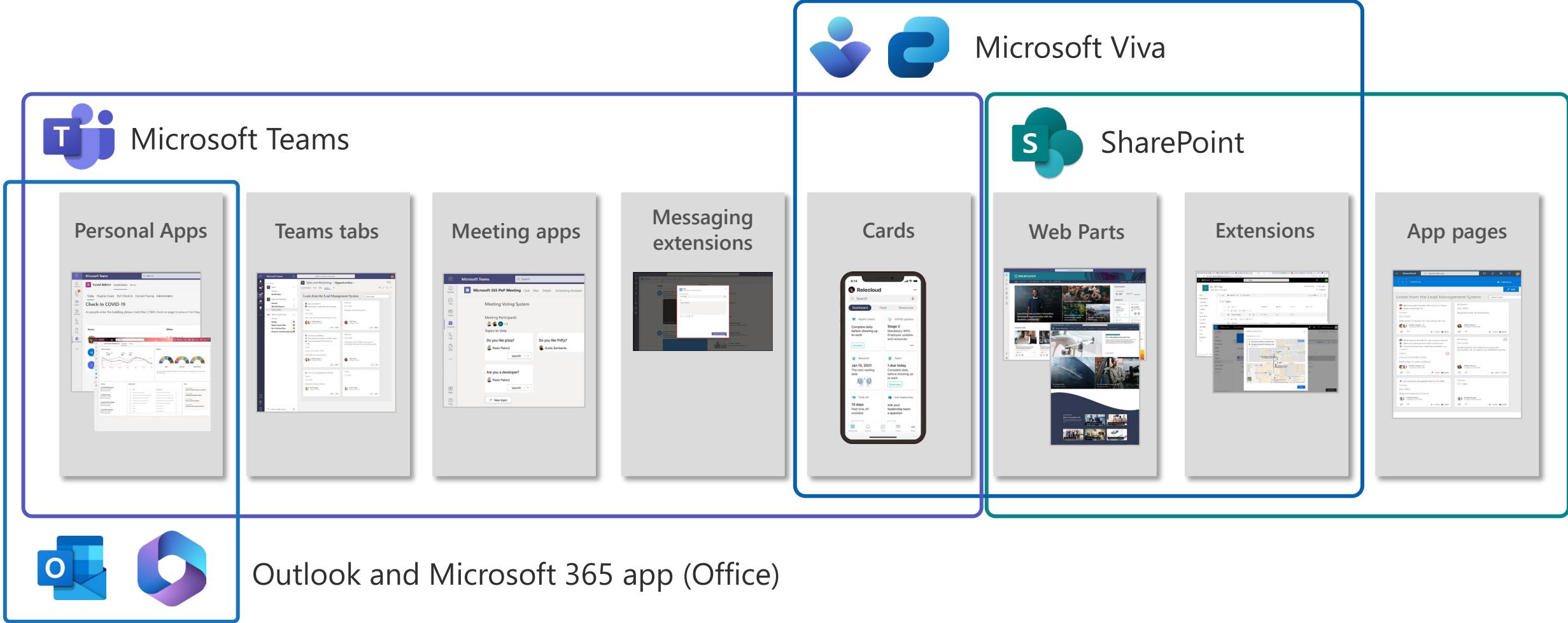
Consistent dev experience

Industry standard tooling



SharePoint Framework experiences in Microsoft 365

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



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

Microsoft Viva Extensibility options for ACEs

Building mobile first, desktop friendly experiences for Viva Home or for Viva Connections

Microsoft Teams

Microsoft Viva

Good evening, System Administrator

Dashboard

- Help Desk: 3 tasks pending
- Pay stub: December 14
- Cafe 34: Get today's menu, specials and hours
- Give feedback: Give praise to our colleagues
- Team calendar: This week
- Assigned Tasks: 3 past due
- Help Desk: Create a new Help Ticket
- Help Desk: Add Help Desk to Viva Connections Home + 2 more
- See all

Resources

- Navigation
 - Quick Access
 - Organizational Info
 - Benefits
 - Events
 - Policy
 - Support Services
- Frequent sites
 - The Landing
 - Mark 8 Project Team
 - Sales and Marketing
 - Information Technology
 - Contoso marketing
 - Retail
 - Remote living
 - Design
 - Communications

8:14 Microsoft Viva

Dashboard Feed Resources

- Viva Learning: Keep learning, keep growing
- Stock awards: Nov 30, 2022 Next vesting date
- Paystub: View pay summary
- Cafe: Café Millenium E
- Facility request: Get maintenance

Activity Chat Teams Viva Calendar More

Microsoft teams

The Landing

Page details Analytics

Meet the team behind the design: How partnerships build inclusive ideas and innovation at Contoso

Launching new product innovation, developed in partnership with the disability community

Building a more accessible world

Wellbeing: carve out breaks in Outlook

hy we do what we do

Our strategy & vision

Enroll for 2022 Choose from the latest benefit options

Cafe 34 Open - Closes in 30 min

COVID-19 Booster Schedule your FREE COVID-19 vaccine at the Health Center today!

Office 365 FAQs Search FAQs and ask the community a question

Holidays Memorial Day May 29

Dashboard See all

Help Desk: 3 tasks pending

Pay stub: December 14

Cafe 34: Get today's menu, specials and hours

Health Check: FREE COVID-19 vaccine and testing at the Health Center

Assigned Tasks: 3 past due

Team calendar: This week

Give feedback: Give praise to our colleagues

Feed for Viva Connections

Megan Bowen Communications Nov 28

Why Viva Toolkit?

- Simplify getting started
- Automated setup
- Environment verification
- Sample and scenario-based start
- Simplified development

Viva Toolkit & SharePoint Framework (SPFx)

Pro-code developer tooling to simplify development, validation and publishing of custom Microsoft Viva experiences

QuickStart Experiences

Start from existing scenario or sample code with Code Tour explaining the needed adjustments.

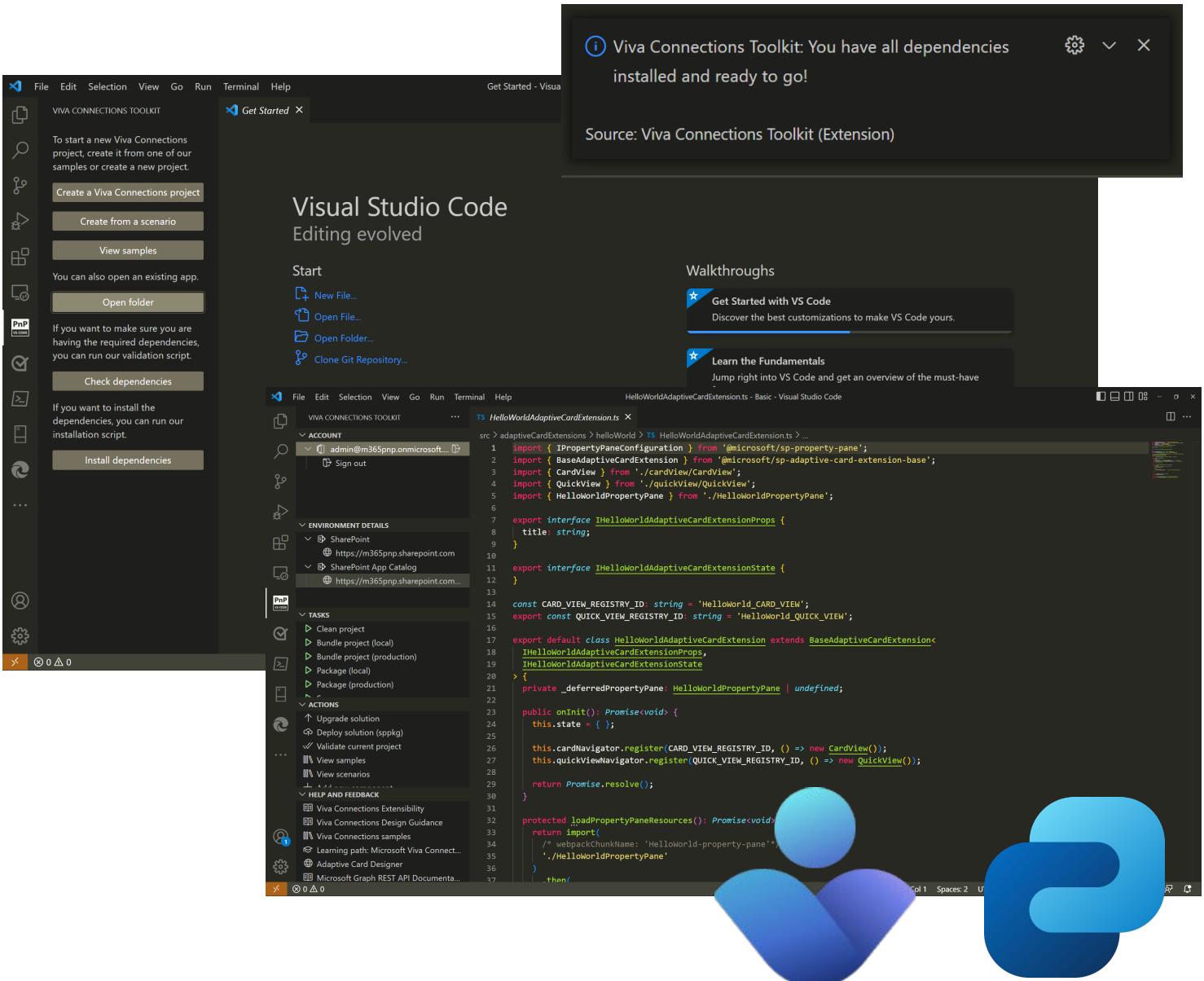
Build and Debug with Ease

Iterate fast with hot reload for Microsoft Viva, Microsoft Teams and SharePoint. Simplified development experience

Automated Hosting

Cost efficient hosting inside of the customer tenant – aligning to all security and compliancy boundaries. Can also access Azure services when needed.

**Test it out and provide us feedback:
aka.ms/viva/code**



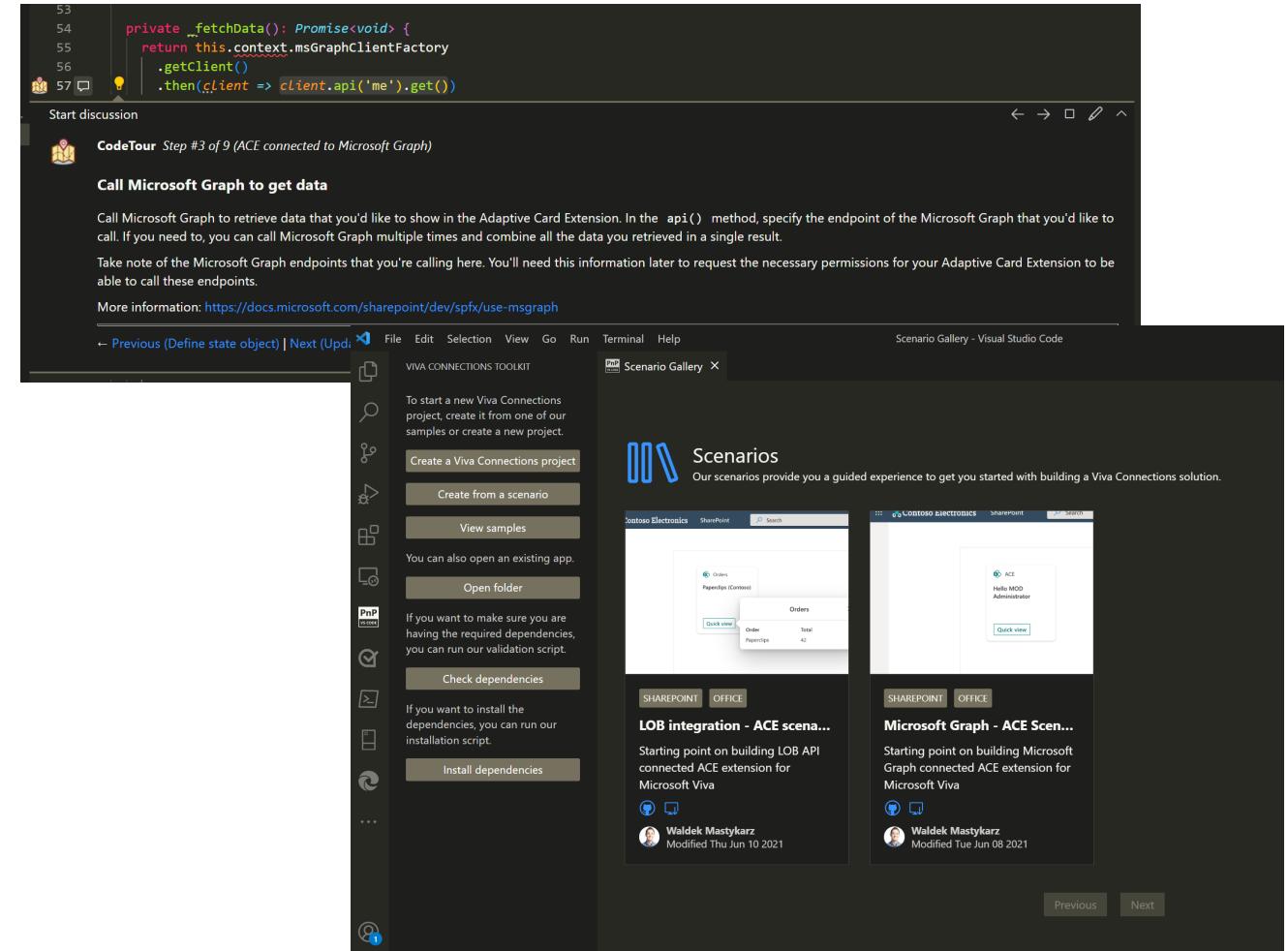
*“I know
yeoman
generator,
why would
I use this?”*

- You don't have to
- Uses SPFx Yeoman generator behind the scenes
- Targeting new and inexperienced developers

Capabilities and features in Viva Toolkit

Streamline your Viva Home and Viva Connections development—with great improvements for all SharePoint Framework solutions

- **Connected to your tenant for easy operations directly from Visual Studio code**
- **Environment validation**
- **Installation of technical dependencies**
- **Solution update with CLI for Microsoft 365**
- **Start from scenario or sample**
 - CodeTour to showcase the scenarios
- **Works on any SPFx project**



DE

ENVI

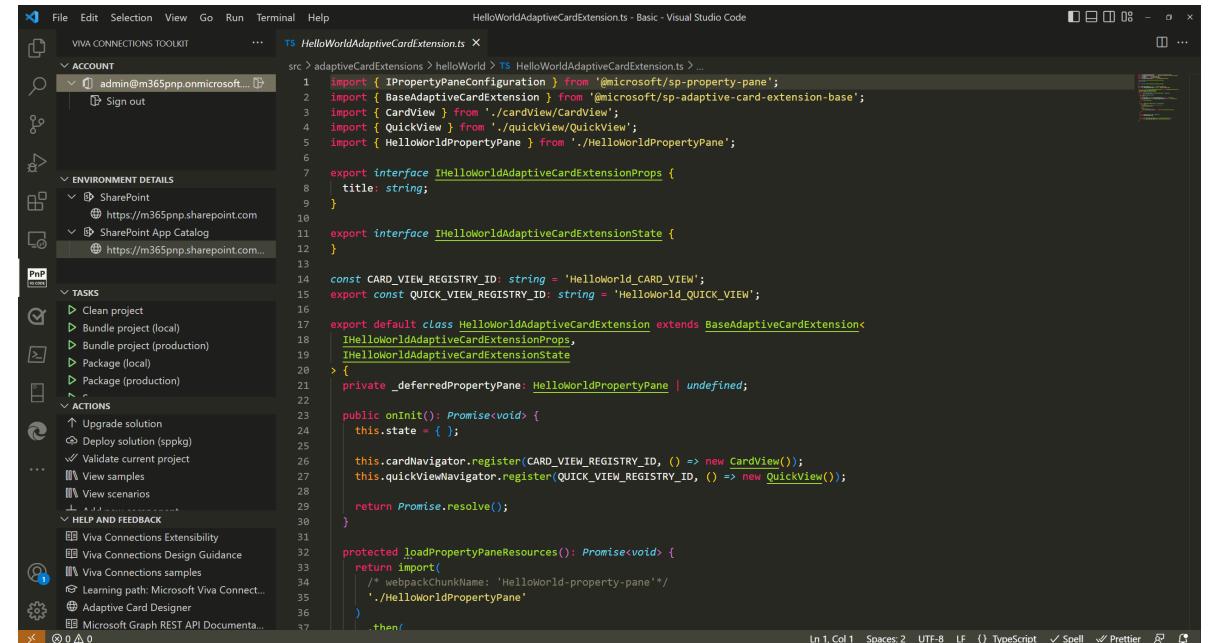
CO



**What about
alignment with
Teams Toolkit?**

Resources – how to get started

1. Install from VS Code extension gallery – <https://aka.ms/viva/code>
 2. In preview, but can be used in production as uses the published SPFx version
 3. Provide feedback and issues at <https://github.com/pnp/vscode-viva>
- We welcome contributions and are looking to build an open-source maintenance team for this project with our community – join the fun!



The screenshot shows the Visual Studio Code interface with the Viva Connections Toolkit extension installed. On the left, there's a sidebar with sections for ACCOUNT, ENVIRONMENT DETAILS, and various ACTIONS like Clean project, Deploy solution, and Validate current project. The main editor area displays a TypeScript file named `HelloWorldAdaptiveCardExtension.ts`. The code defines interfaces for adaptive card extensions and implements a class `HelloWorldAdaptiveCardExtension` that extends `BaseAdaptiveCardExtension`.

```
File Edit Selection View Go Run Terminal Help HelloWorldAdaptiveCardExtension.ts - Basic - Visual Studio Code

src > adaptiveCardExtensions > helloWorld > TS HelloWorldAdaptiveCardExtensions.ts ...
1 import { IPropertyPaneConfiguration } from '@microsoft/sp-property-pane';
2 import { BaseAdaptiveCardExtension } from '@microsoft/sp-adaptive-card-extension-base';
3 import { CardView } from './cardView/CardView';
4 import { QuickView } from './quickView/QuickView';
5 import { HelloWorldPropertyPane } from './HelloWorldPropertyPane';
6
7 export interface IHelloWorldAdaptiveCardExtensionProps {
8   title: string;
9 }
10
11 export interface IHelloWorldAdaptiveCardExtensionState {
12 }
13
14 const CARD_VIEW_REGISTRY_ID: string = 'HelloWorld_CARD_VIEW';
15 export const QUICK_VIEW_REGISTRY_ID: string = 'HelloWorld_QUICK_VIEW';
16
17 export default class HelloWorldAdaptiveCardExtension extends BaseAdaptiveCardExtension<
18   IHelloWorldAdaptiveCardExtensionProps,
19   IHelloWorldAdaptiveCardExtensionState
20 > {
21   private _deferredPropertyPane: HelloWorldPropertyPane | undefined;
22
23   public onInit(): Promise<void> {
24     this.state = {};
25
26     this.cardNavigator.register(CARD_VIEW_REGISTRY_ID, () => new CardView());
27     this.quickViewNavigator.register(QUICK_VIEW_REGISTRY_ID, () => new QuickView());
28
29     return Promise.resolve();
30   }
31
32   protected loadPropertyPaneResources(): Promise<void> {
33     return import(
34       /* webpackChunkName: 'HelloWorld-property-pane' */
35       './HelloWorldPropertyPane'
36     ).then()
37   }
}

Ln 1, Col 1  Spaces: 2  UTF-8  LF  ⓘ TypeScript  ✓ Spell  ⚡ Prettier  ⌂
```

Thank you

Recording will be available in 24 hours on
Microsoft 365 Community (PnP) YouTube channel
<https://aka.ms/m365/videos>
(subscribe today)

Follow us on Twitter
[@Microsoft365Dev](https://twitter.com/Microsoft365Dev) | [@M365PnP](https://twitter.com/M365PnP)

Next Microsoft 365 Platform call: **December 13th at 08:00 am PT**
All available community calls from <https://aka.ms/m365/calls>

