

Microsoft 365 platform community call

November 22, 2022

Your host in this call:
Vesa Juvonen

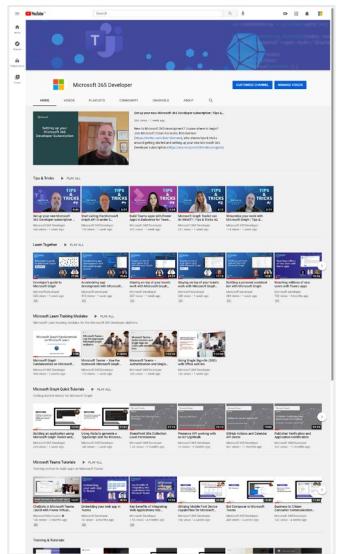


Agenda

- Latest updates and news on the Microsoft 365 platform
- Latest news across the Microsoft blogs
- Group picture time with Together Mode!
- Demos
 - **Ayça Baş** - Build your first Notification bot in C# for Microsoft Teams with Teams Toolkit for Visual Studio
 - **Bill Baer** - What's new for Microsoft Search Usage reports
 - **Vesa Juvonen** - Creating SPFx powered multi-tab solution using Microsoft Teams Toolkit

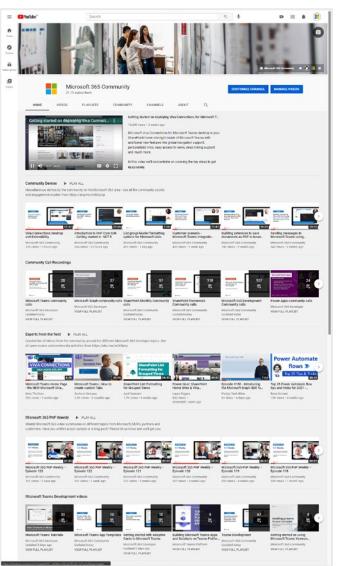


Microsoft 365 developer videos



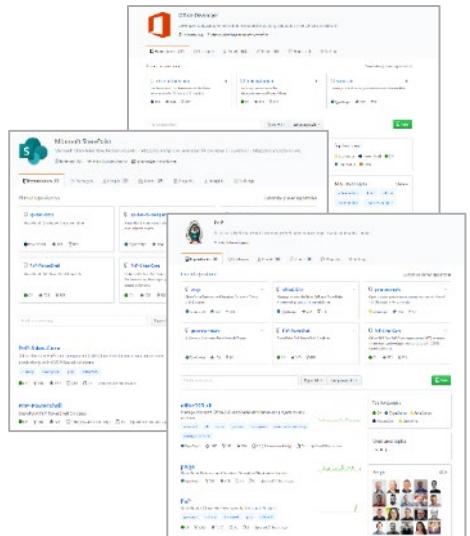
aka.ms/m365devyoutube

Microsoft 365 community videos



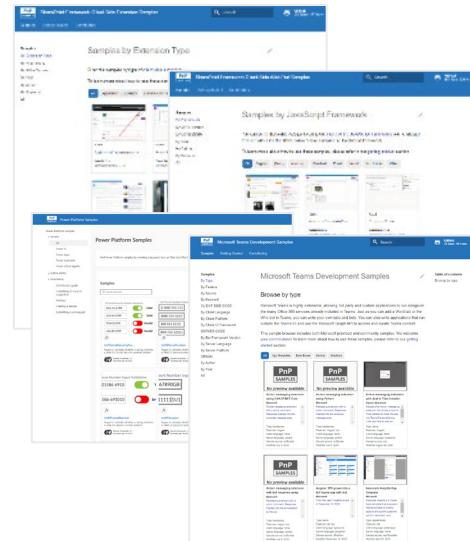
aka.ms/m365/videos

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>

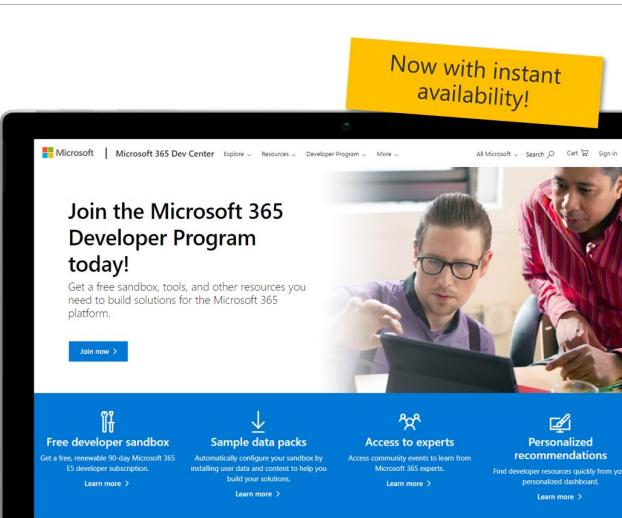


Getting started assets for Microsoft 365 dev

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
Get a free, renewable 90-day Microsoft 365 E5 developer subscription.
Learn more >

Sample data packs
Automatically configure your sandbox by installing user data and content to help you build your solution.
Learn more >

Access to experts
Access community events to learn from Microsoft 365 experts.
Learn more >

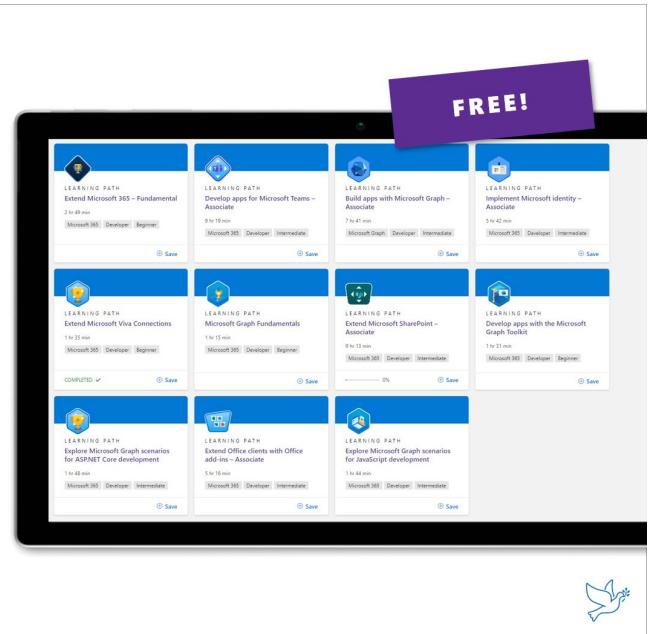
Personalized recommendations
Find developer resources quickly from your personalized dashboard.
Learn more >

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
2 hr 49 min Microsoft 365 Developer Beginner

LEARNING PATH Develop apps for Microsoft Teams – Associate
9 hr 19 min Microsoft 365 Developer Intermediate

LEARNING PATH Build apps with Microsoft Graph – Associate
7 hr 41 min Microsoft Graph Developer Intermediate

LEARNING PATH Implement Microsoft identity – Associate
3 hr 42 min Microsoft 365 Developer Intermediate

LEARNING PATH Extend Microsoft Viva Connections
1 hr 35 min Microsoft 365 Developer Beginner

LEARNING PATH Microsoft Graph Fundamentals
1 hr 15 min Microsoft 365 Developer Beginner

LEARNING PATH Extend Microsoft SharePoint – Associate
9 hr 12 min Microsoft 365 Developer Intermediate

LEARNING PATH Develop apps with the Microsoft Graph Toolkit
1 hr 21 min Microsoft 365 Developer Beginner

LEARNING PATH Explore Microsoft Graph scenarios for ASP.NET Core development
1 hr 40 min Microsoft 365 Developer Intermediate

LEARNING PATH Extend Office clients with Office add-ins – Associate
3 hr 16 min Microsoft 365 Developer Intermediate

LEARNING PATH Explore Microsoft Graph scenarios for JavaScript development
1 hr 44 min Microsoft 365 Developer Intermediate

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.

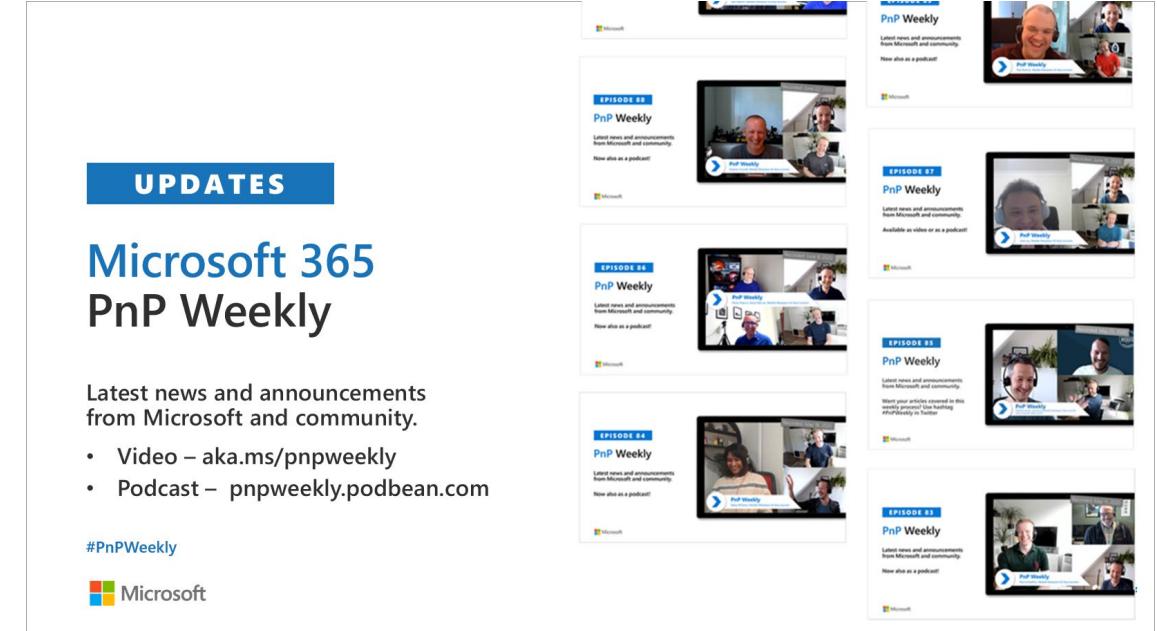
Microsoft 365 Developer Podcast

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

Microsoft Adoption

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
View on GitHub | Download on GitHub

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

References

Board tag format

André Lage
Modified on Mar 05, 2022

Let's go places

Derek Cash-Peterson
Modified on Mar 01, 2022

All Products

All Products

Microsoft Lists

Microsoft Teams

Azure AD

Office

Power Apps

Power Automate

Power Fx

SharePoint

Viva

Microsoft Graph

Microsoft Graph Toolkit

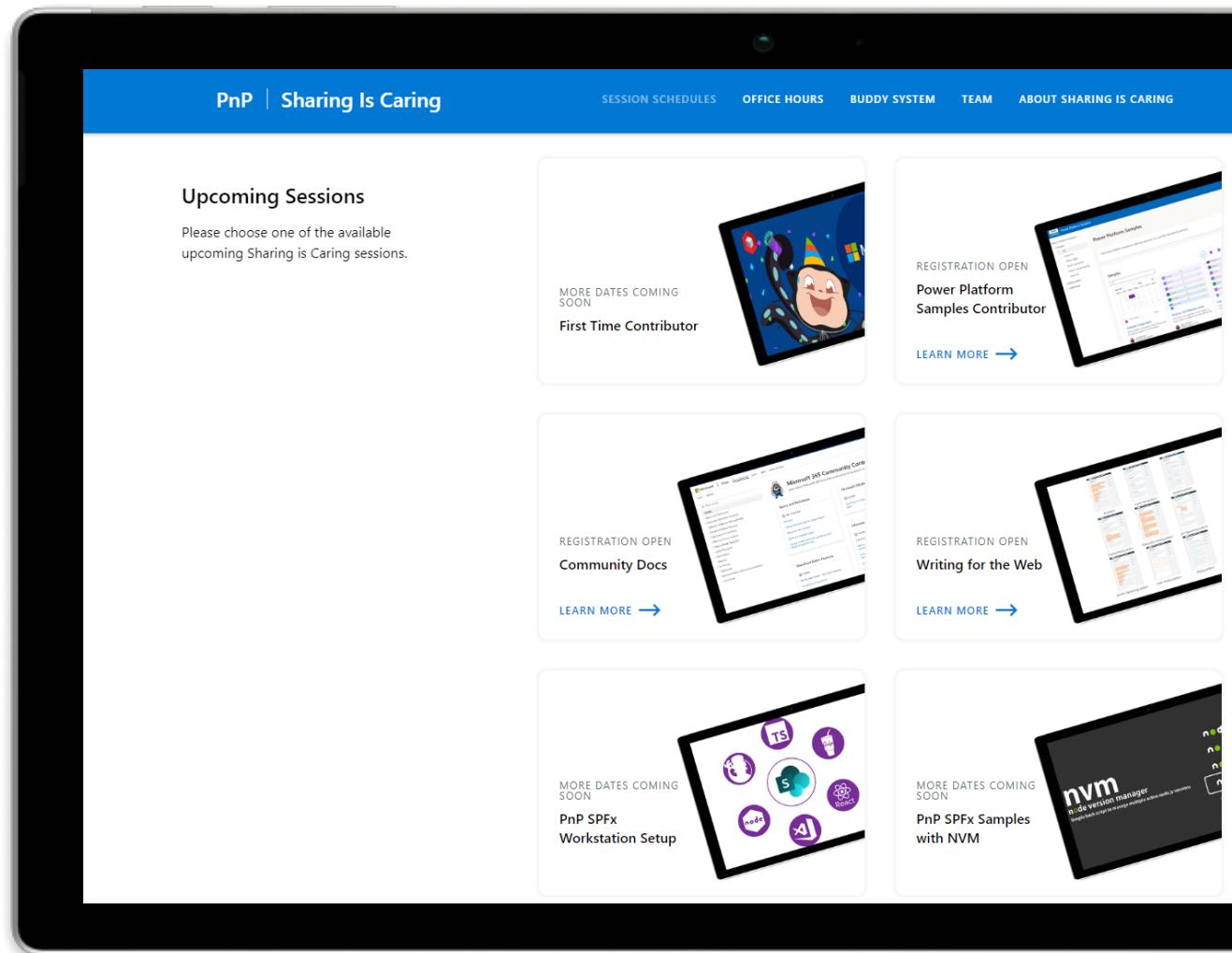
GUIDANCE

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

Power Platform
Samples Contributor
Nov 28th



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



App Camp Workshop

November 29

4:00 PM - 5:00 PM PT



Agenda

- Introduction to Teams apps
- How to extend an existing app to Teams as a personal tab with Azure Active Directory Single Sign-On
- Q&A

Register – <https://aka.ms/TeamsAppCamp/Workshops>

Materials - <https://aka.ms/app-camp>

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>



Security, governance and privacy built into Microsoft Graph Data Connect

November 17, 2022



Philip Li
Learn about the latest innovations in Microsoft Graph Data Connect to enable customers to build analytics applications with data security, governance, and end user privacy in mind.

0 | 0 | Microsoft Graph



App Compliance Automation Tool for Microsoft 365 is now in public preview

November 16, 2022



Sreekanth Thirthala Venkata
Today, we are happy to announce that the App Compliance Automation Tool for Microsoft 365 is now in public preview. ACAT simplifies the certification process decreasing time to achieve the Microsoft 365 certification.

0 | 0 | Office Add-ins | Microsoft Teams



Build a stock update notification bot using C# and Teams Toolkit for Visual Studio

November 15, 2022



Garry Trinder
Microsoft Teams Toolkit for Visual Studio enables you to create, debug and deploy Microsoft Teams apps to a Microsoft 365 tenant fast using a no configuration approach. Learn how to create a Stock Update Notification bot for Teams Toolkit and C# in this tutorial.

2 | 1 | Microsoft Teams | Adaptive Cards



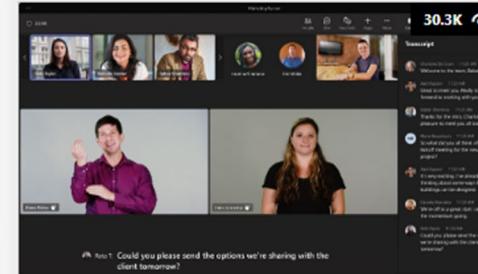
Announcing general availability of SharePoint Framework 1.16 – Enabling SPFx across Microsoft 365 platform

November 15, 2022



Microsoft 365 Platform team
We are excited to announce general availability of the SharePoint Framework (SPFx) 1.16 – with updates for Microsoft Viva, Microsoft Teams, Outlook, Microsoft 365 app and SharePoint Online experiences. SharePoint Framework is the easiest way to build your enterprise solutions for Microsoft 365 with automatic single sign-on, automatic hosting...

0 | 0 | SharePoint Framework | Microsoft 365 Developer | Microsoft Teams



Introducing Sign Language View for Teams Meetings

Chris_Sano on Nov 17 2022 09:00 AM

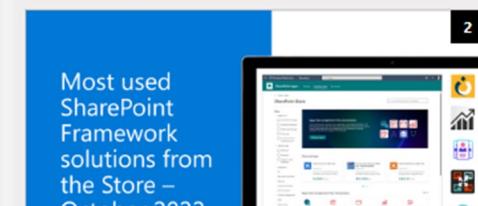
Today we are pleased to announce sign language view, a new meeting experience in Microsoft Teams that helps signers – pe...



Introducing the Microsoft Teams Shared Device License

sirigudur on Nov 16 2022 08:00 AM

As organizations shift towards hybrid working models, the way we utilize the office has transformed. Many employees no l...



Most used SharePoint Framework solutions from the Store – October 2022

Most used SharePoint Framework solutions from the Store ...

Vesa Juvonen on Nov 22 2022 04:02 AM

Top 10 most widely used SharePoint Framework solutions installed from store in October 2022.

1

Adaptive Card overflow menu

Adaptive Card in Teams supports overflow menu. You can populate an overflow menu for all the secondary actions in an Adaptive Card. An overflow menu in an Adaptive Card can be added to the following:

- **Actions**: In actions, the primary buttons appear on the Adaptive Card and the secondary buttons are inside the overflow menu.
- **ActionSet**: ActionSet is a combination of multiple actions in an Adaptive Card. Each action set can have an overflow menu.

ⓘ Note

An Adaptive Card supports up to six primary actions to be viewed on the card. Any additional primary action is viewed in the overflow menu.

Docs: aka.ms/TeamsDevDocs > Build cards and task modules > Build cards > Format cards in Microsoft Teams

2

App manifest schema version 1.15

<code>messageHandlers.value.supportsAnonymizedPayloads</code>	Boolean	A boolean value that indicates whether the app's link message handler supports anonymous invoke flow. Default is false.
---	---------	---

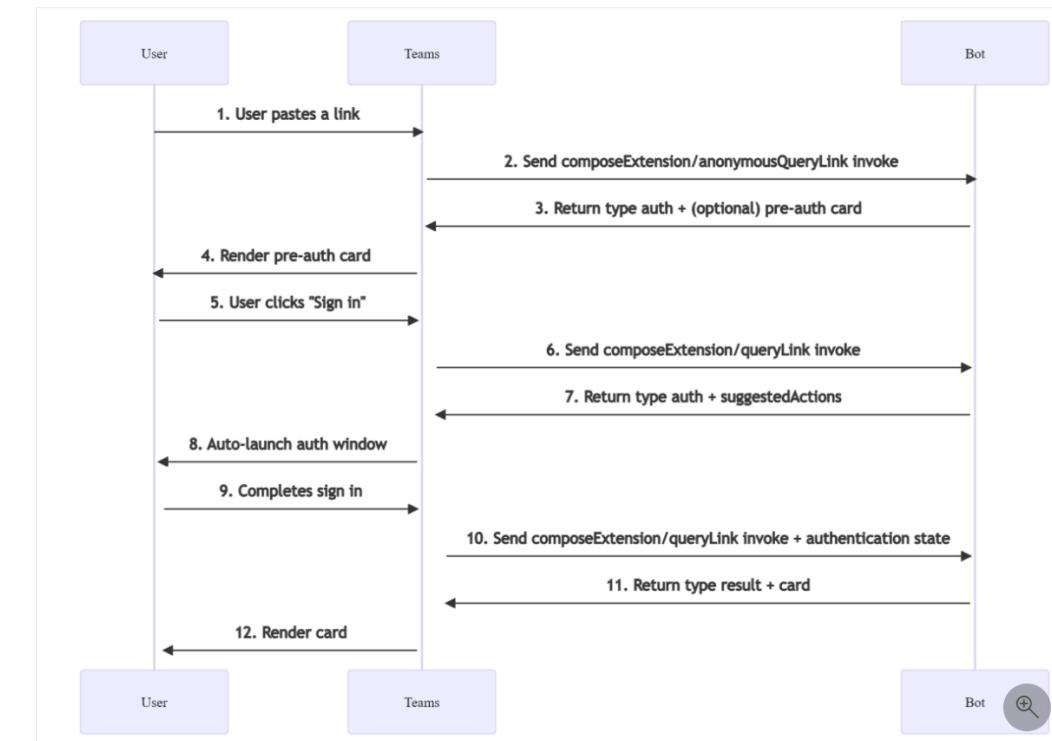
Docs: aka.ms/TeamsDevDocs > App manifest > [App manifest schema for Teams](#)

3

Zero install for link unfurling

Zero install link unfurling helps you unfurl previews for your shared links even before a user discovered or installed your app in Teams. You can anonymously unfurl cards with a new invoke request or create a pre-authenticated Adaptive Card preview for users before they install or authenticate your app.

The following image provides a sequential flow to enable and use zero install link unfurling:

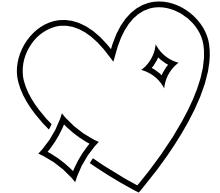


Docs: aka.ms/TeamsDevDocs > Build message extensions > [Add link unfurling](#)

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 setting. A woman in a grey sweatshirt and light-colored pants is pointing towards a whiteboard with her right hand. Two other individuals, a man in a black t-shirt and a woman in a striped blouse, are looking at the whiteboard. The background shows office cubicles and a wooden conference table.

DEMO

- Build your first Notification bot in C# for Microsoft Teams with Teams Toolkit for Visual Studio
 - Ayça Baş
- What's new for Microsoft Search Usage reports
 - Bill Baer
- Creating SPFx powered multi-tab solution using Microsoft Teams Toolkit
 - Vesa Juvonen

Ayça Baş,

- 💻 Senior Cloud Advocate at Microsoft
- 📍 Based in Dubai
- ❤️ Love building solutions with Microsoft Graph, Teams, Azure
- 🔗 Connect with the communities on Twitter(@aycabs) and LinkedIn



Agenda

1. Teams Toolkit for Visual Studio
2. Create your first notification bot
3. Running the bot on Microsoft Teams
4. Deep dive in code!
5. Resources



Teams Toolkit for Visual Studio

Let's get started!

Resources

- [Teams Toolkit Overview](#)
- [Install Teams Toolkit](#)
- [Create a new Teams app in Visual Studio](#)
- [FAQ for Teams Toolkit](#)



SharePoint Framework

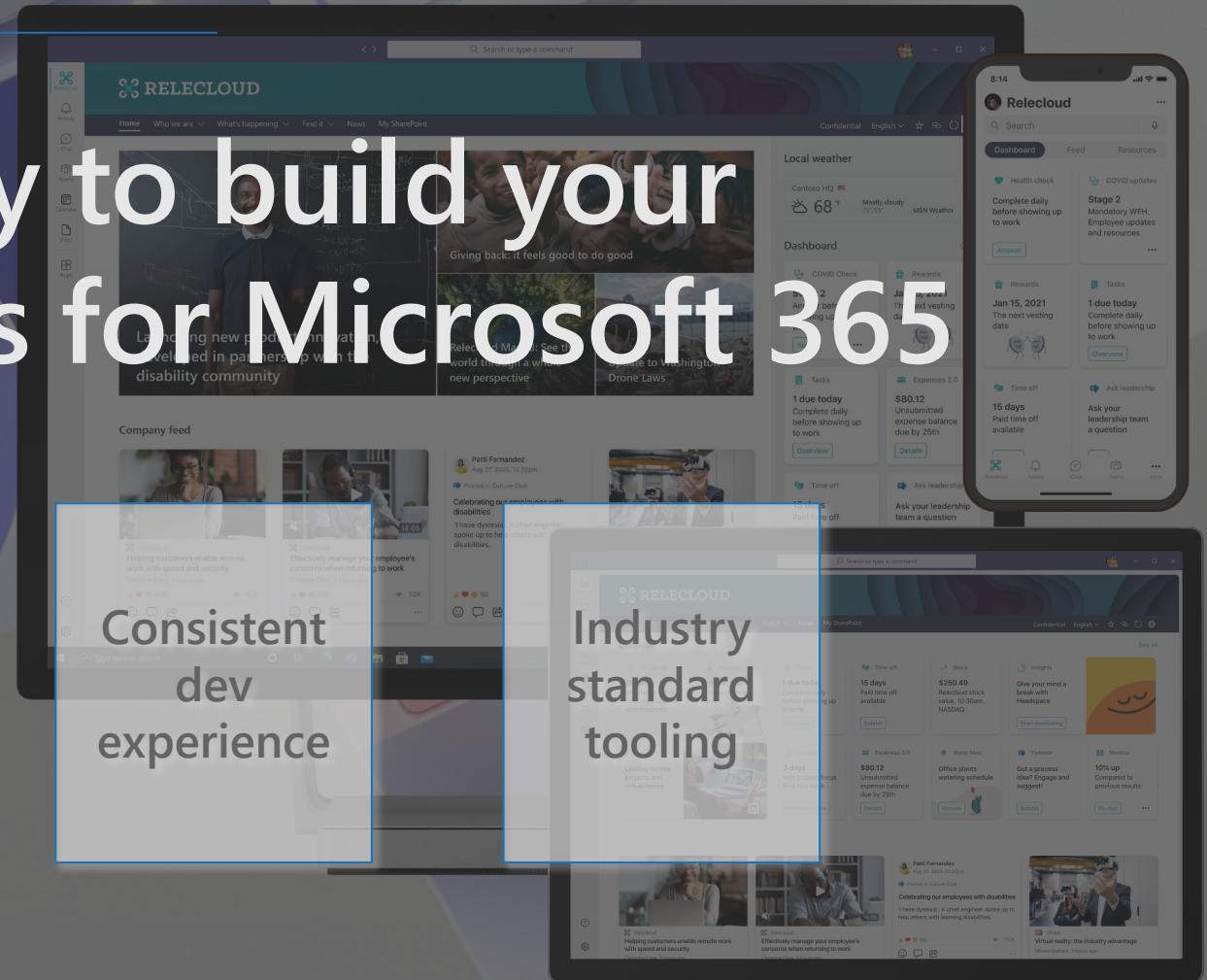
The easiest way to build your enterprise solutions for Microsoft 365

Automatic Single Sign On

Automatic hosting

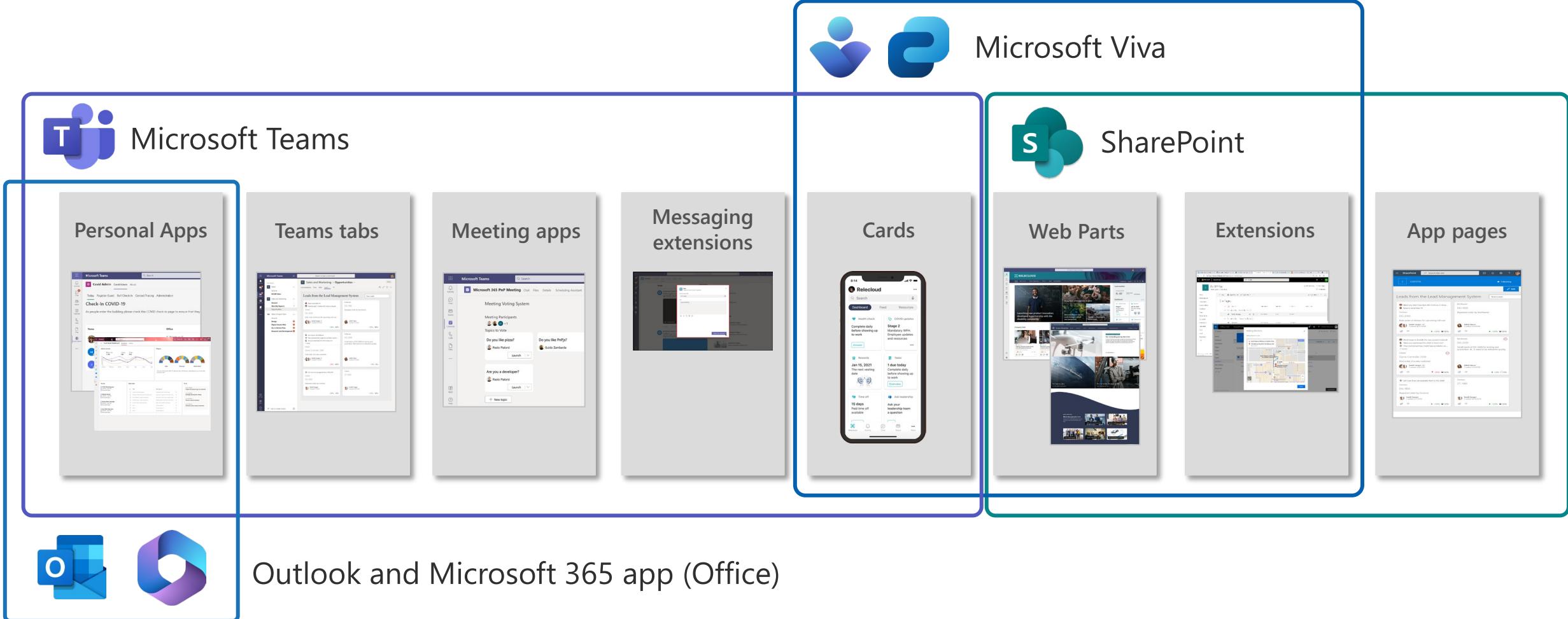
Consistent dev experience

Industry standard tooling



SharePoint Framework experiences in Microsoft 365

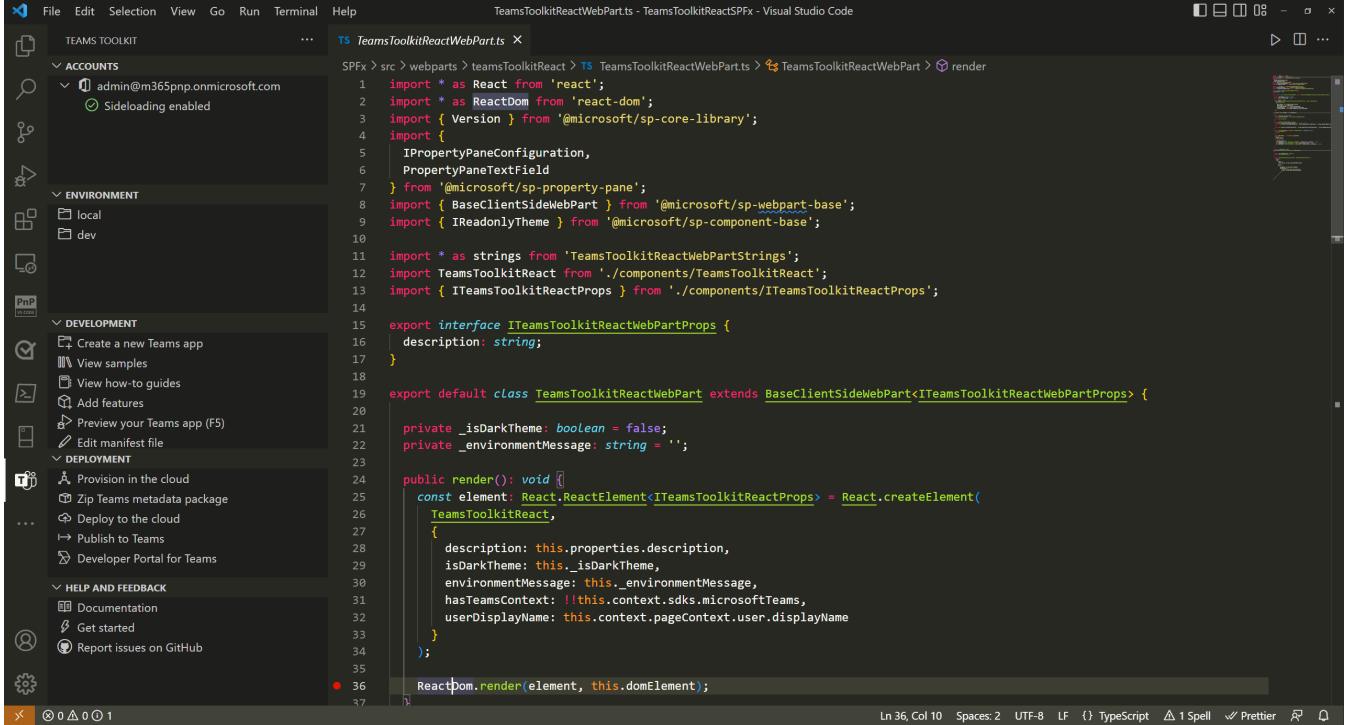
The easiest way to build your enterprise solutions for Microsoft Teams, Microsoft Viva, Outlook, Microsoft 365 app and SharePoint



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

Microsoft Teams Toolkit – SharePoint Framework support

- Simplifies Microsoft Teams development with SPFx
- Uses SPFx Yeoman generator behind the scenes
- Provides easy F5 debugging in the Teams Workbench
- Support of multiple tabs for SPFx Teams solution included with the Teams Toolkit 4.1 version
- More features and alignment in the roadmap



The screenshot shows the Microsoft Teams Toolkit extension in Visual Studio Code. The left sidebar displays the 'TEAMS TOOLKIT' interface with sections for ACCOUNTS, ENVIRONMENT, DEVELOPMENT, and DEPLOYMENT. The DEVELOPMENT section includes options like 'Create a new Teams app', 'View samples', 'View how-to guides', 'Add features', 'Preview your Teams app (F5)', and 'Edit manifest file'. The DEPLOYMENT section includes 'Provision in the cloud', 'Zip Teams metadata package', 'Deploy to the cloud', 'Publish to Teams', and 'Developer Portal for Teams'. The right side of the interface shows a code editor with the file 'TeamsToolkitReactWebPart.ts' open. The code is a TypeScript class for a SPFx web part named 'TeamsToolkitReactWebPart' that extends 'BaseClientSideWebPart<ITeamsToolkitReactWebPartProps>'. It includes imports for React, ReactDom, and various SharePoint Framework components, and defines a render method that creates a React element using the 'TeamsToolkitReact' component.

```
SPFx > src > webparts > teamsToolkitReact > TS TeamsToolkitReactWebPart.ts > TeamsToolkitReactWebPart > render
1 import * as React from 'react';
2 import * as ReactDOM from 'react-dom';
3 import { Version } from '@microsoft/sp-core-library';
4 import {
5   IPropertyPaneConfiguration,
6   PropertyPaneTextField
7 } from '@microsoft/sp-property-pane';
8 import { BaseClientSideWebPart } from '@microsoft/sp-webpart-base';
9 import { IReadonlyTheme } from '@microsoft/sp-component-base';
10 import * as strings from 'TeamsToolkitReactWebPartStrings';
11 import TeamsToolkitReact from './components/TeamsToolkitReact';
12 import { ITeamsToolkitReactProps } from './components/ITeamsToolkitReactProps';
13 import { ITeamsToolkitReactWebPartProps } from './components/ITeamsToolkitReactWebPartProps';
14
15 export interface ITeamsToolkitReactWebPartProps {
16   description: string;
17 }
18
19 export default class TeamsToolkitReactWebPart extends BaseClientSideWebPart<ITeamsToolkitReactWebPartProps> {
20
21   private _isDarkTheme: boolean = false;
22   private _environmentMessage: string = '';
23
24   public render(): void {
25     const element: React.ReactElement<ITeamsToolkitReactProps> = React.createElement(
26       TeamsToolkitReact,
27       {
28         description: this.properties.description,
29         isDarkTheme: this._isDarkTheme,
30         environmentMessage: this._environmentMessage,
31         hasTeamsContext: !!this.context.sdks.microsoftTeams,
32         userDisplayName: this.context.pageContext.user.displayName
33       }
34     );
35
36     ReactDOM.render(element, this.domElement);
37   }
38 }
```

DE

ENVI

CO

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: **November 29th at 08:00 am PT**
All available community calls from <https://aka.ms/m365/calls>

