

Your host in this call:
Garry Trinder (Microsoft)

Viva Connections & SharePoint Framework Bi-weekly sync

January 12th, 2023

Microsoft 365 Platform Community team



Agenda

- Latest update on the SharePoint Framework
- Patterns and Practices Updates
 - PnPJs
 - CLI for Microsoft 365
 - Reusable PnP SPFx controls
 - Viva Connections Toolkit VS Code extension
 - PnP Search web parts
 - New samples
- New Community Samples
- Picture time with Together Mode!
- Demos
 - Julie Turner (Sympraxis) - Getting started with hTWOo React controls for Microsoft 365
 - Alex Clark (Microsoft) - Adaptive Cards samples for Viva Connections



Opportunities to Participate in Microsoft 365 platform community

SPFx Demo

- Web Part
- Application Customizer
- Provisioning
- Teams
- Outlook
- Anything you create!

@pnp Demo

- PnPjs
- CLI for Microsoft 365
- SPFx Reusable Controls
- SPFx Community Yeoman

Contribute on GitHub

- Report Issues
- Submit Pull Requests
- Help with issues/questions

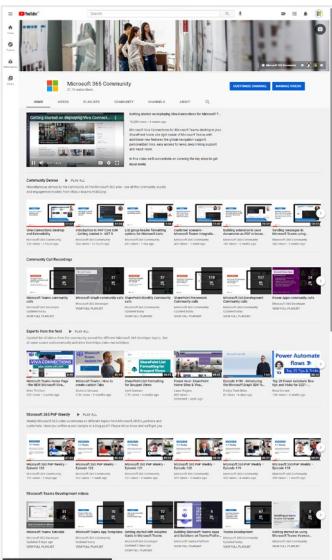
Provide Feedback

- How are the calls?
- Documentation needs?
- Where can we help?
- Positive is OK too!

Great opportunity to get visibility for you or your company. Demo sample or explain how you extend or customize SharePoint Online with live demo in your projects. Reach out to team for volunteering.

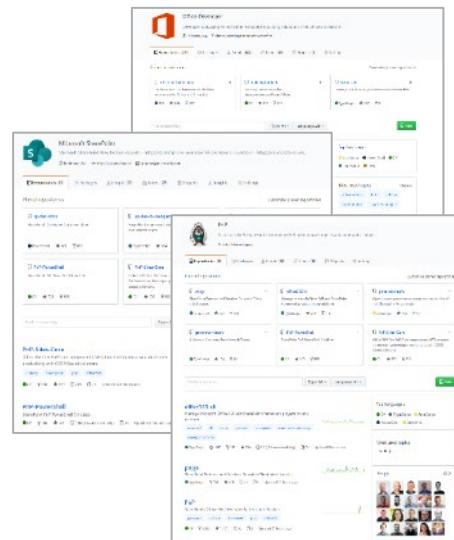
Request a demo spot on the call
<https://aka.ms/m365pnp/request/demo>

Microsoft 365 community videos



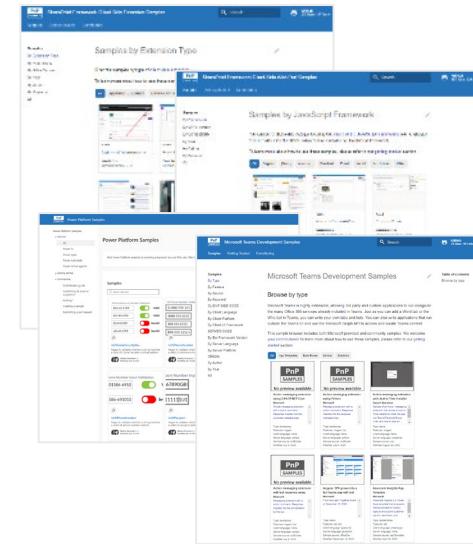
aka.ms/m365/videos

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 and Power Platform community calls

Microsoft 365 platform (weekly)

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

Microsoft identity platform
Office Add-ins
Power Platform

<https://aka.ms/IDDevCommunityCalendar>
<https://aka.ms/officeaddinscommunitycall>
<https://aka.ms/PowerPlatformCommunityCall>

Microsoft 365 & Power Platform community (bi-weekly)

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

Viva Connections & SharePoint Framework (bi-weekly)

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

Download recurrent invites from

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



Microsoft 365 platform call

17th of January @8 AM PT

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



- Latest news from Microsoft engineering on the [Microsoft 365](#) topics
- Community together mode group photo
- **David Rousset** - Metaverse experience implemented as a Teams meeting app using the Teams LiveShare SDK
- **Vesa Juvonen & Andrew Connell** – Introduction to Viva Connection learn module - tutorial 2

GUIDANCE

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

- **First-time contributor**
- Community docs
- **Writing for the Web**
- **Power Platform Samples Contributor**
- **Using PnP SPFx samples w/ NVM**
- SPFx developer workstation setup
- More than code with VS Code
- First-time presenter
- M365 Maturity Model Practitioners

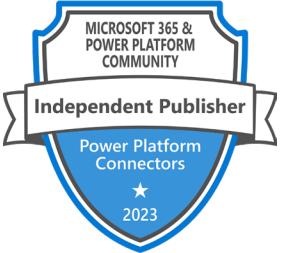
The image shows a tablet displaying the "Sharing Is Caring" website, which is part of the PnP (Power Platform) community. The website has a blue header with the title "PnP | Sharing Is Caring" and navigation links for "SESSION SCHEDULES", "OFFICE HOURS", "BUDDY SYSTEM", "TEAM", and "ABOUT SHARING IS CARING". The main content area is titled "Upcoming Sessions" and includes a message: "Please choose one of the available upcoming Sharing is Caring sessions." Below this, there are six session cards arranged in a grid:

- First Time Contributor**: Shows a cartoon character in a party hat. Status: "MORE DATES COMING SOON". Link: "LEARN MORE →".
- Power Platform Samples Contributor**: Shows a screenshot of a Power Platform Samples page. Status: "REGISTRATION OPEN". Link: "LEARN MORE →".
- Community Docs**: Shows a screenshot of the Microsoft 365 Community Docs page. Status: "REGISTRATION OPEN". Link: "LEARN MORE →".
- Writing for the Web**: Shows a screenshot of a "Writing for the Web" page. Status: "REGISTRATION OPEN". Link: "LEARN MORE →".
- PnP SPFx Workstation Setup**: Shows a screenshot of a "PnP SPFx Workstation Setup" page. Status: "MORE DATES COMING SOON". Link: "LEARN MORE →".
- PnP SPFx Samples with NVM**: Shows a screenshot of an "nvm" (node version manager) interface. Status: "MORE DATES COMING SOON". Link: "LEARN MORE →".

An orange callout box on the left side of the tablet screen contains the text "New Sessions Scheduled!!!".

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

COMMUNITY



Community Recognition Program

- Showcasing your contributions
- Powered by Credly
- More achievement levels coming soon

A large blue tablet screen displays the title "Community Recognition Program" in white. To the right of the screen is a large, stylized blue achievement badge. The badge has a dark blue top section with the text "MICROSOFT 365 & POWER PLATFORM COMMUNITY". Below it is a white ribbon banner with "Community Contributor" in bold black letters. At the bottom of the badge is a blue chevron shape with the year "2023" in white.

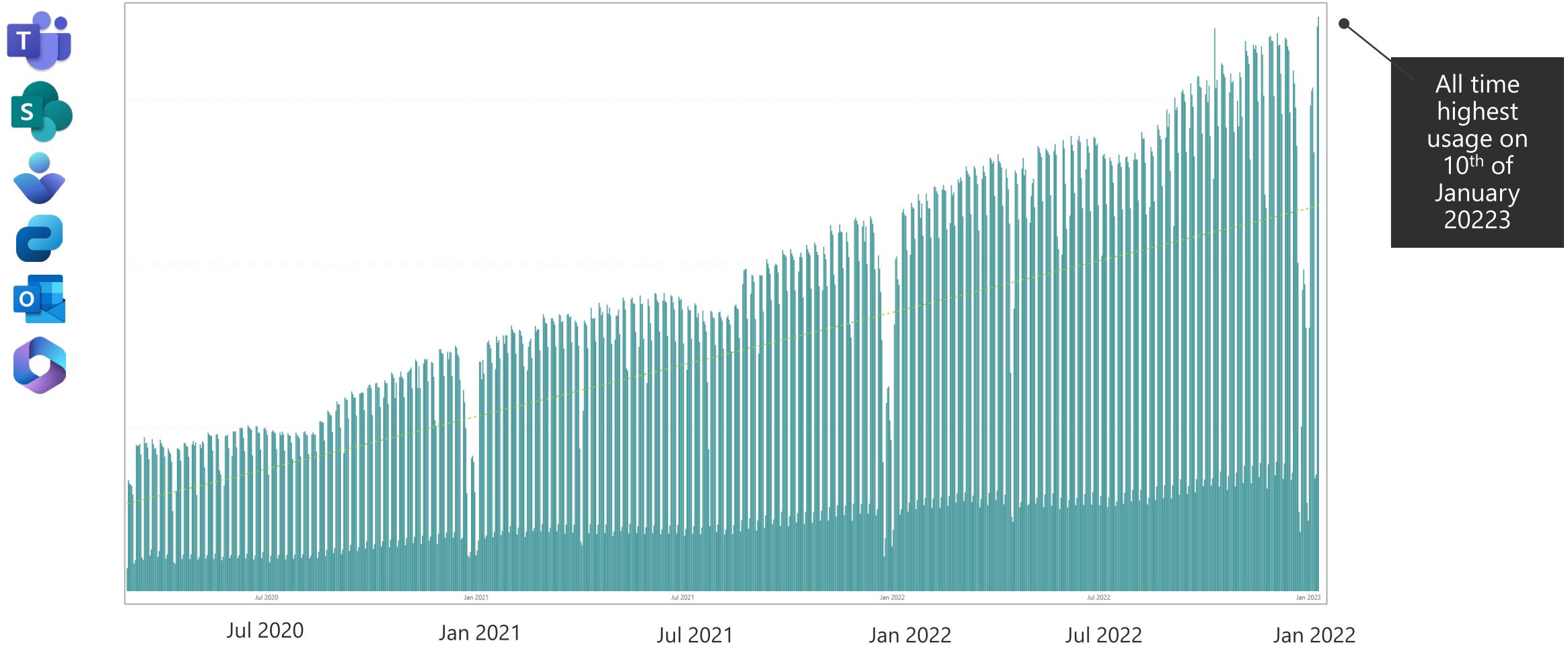
<https://aka.ms/community/recognition>

SharePoint Framework

Latest from Microsoft engineering for Microsoft Viva, Microsoft Teams and SharePoint extensibility

Rolling 28 days active users (MAU) for custom SharePoint Framework components in M365

There are currently tens of millions of monthly active users for custom SharePoint Framework components in Microsoft 365 created by partners and customers



New Microsoft Viva learning module – focus on the ACE development

Building SPFx powered Adaptive Card Extensions (ACEs) for [Microsoft Viva Home](#) and [Viva Connections](#)

Focus on ACE development

Basics on ACEs and the underlaying SPFx and Adaptive Cards technology on building experiences for Microsoft Viva.

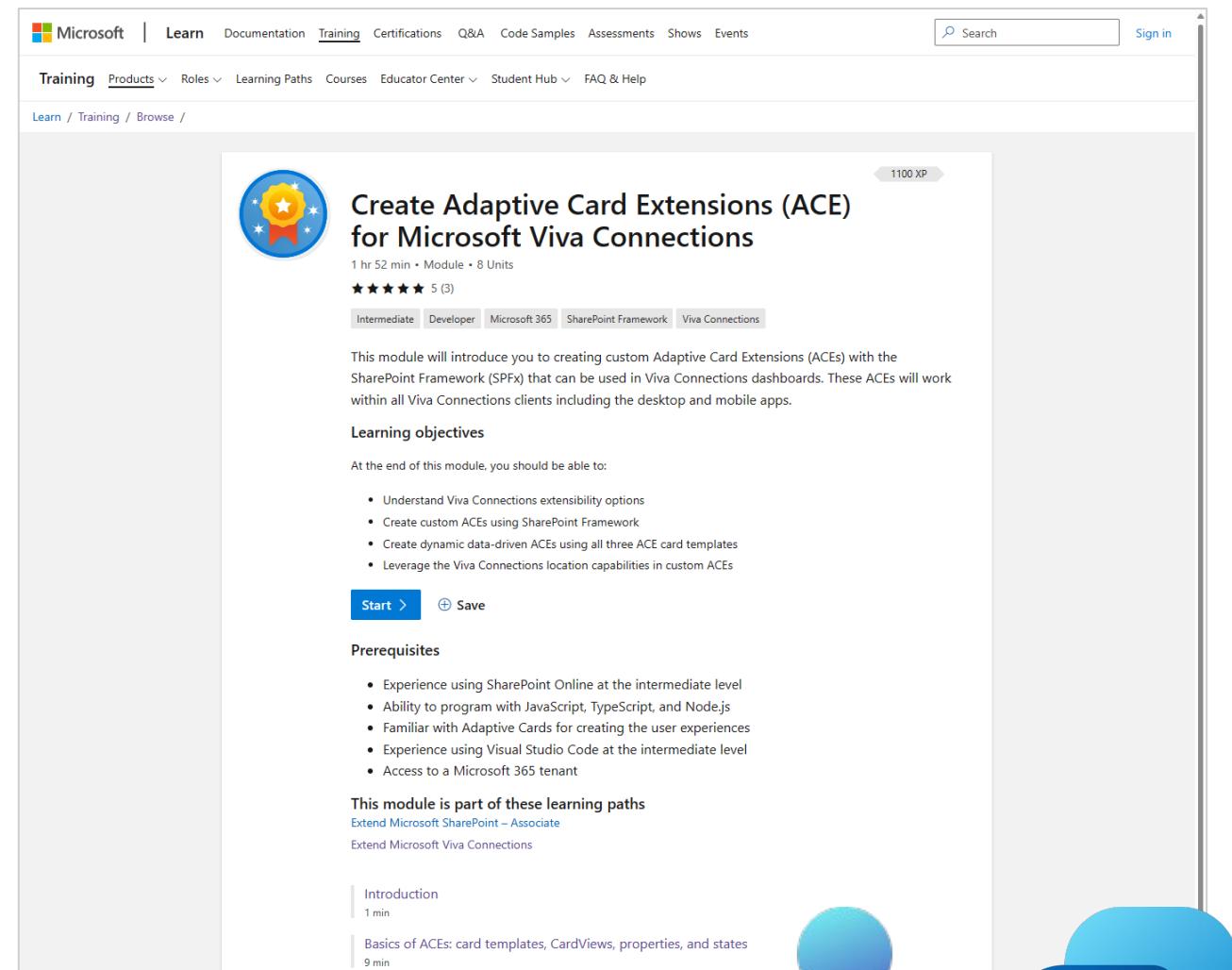
Three distinct exercises

From getting started to more complex scenarios. Includes also usage of media selection and location capabilities in the ACEs.

Available in both written and video format

Contains 1 hour and 52 minutes of content in both written and in video format. You choose the preferred model of consuming the material.

[Go through the training yourself!](#)
<https://aka.ms/viva/ace/learn>



The screenshot shows a Microsoft Learn page for a training module. The title is "Create Adaptive Card Extensions (ACE) for Microsoft Viva Connections". It has a duration of "1 hr 52 min • Module • 8 Units" and a rating of "★★★★★ 5 (3)". The module is categorized as "Intermediate" and "Developer" and is associated with "Microsoft 365", "SharePoint Framework", and "Viva Connections". The description states: "This module will introduce you to creating custom Adaptive Card Extensions (ACEs) with the SharePoint Framework (SPFx) that can be used in Viva Connections dashboards. These ACEs will work within all Viva Connections clients including the desktop and mobile apps." The "Learning objectives" section lists: "Understand Viva Connections extensibility options", "Create custom ACEs using SharePoint Framework", "Create dynamic data-driven ACEs using all three ACE card templates", and "Leverage the Viva Connections location capabilities in custom ACEs". There are "Start" and "Save" buttons. The "Prerequisites" section lists: "Experience using SharePoint Online at the intermediate level", "Ability to program with JavaScript, TypeScript, and Node.js", "Familiar with Adaptive Cards for creating the user experiences", "Experience using Visual Studio Code at the intermediate level", and "Access to a Microsoft 365 tenant". The "This module is part of these learning paths" section includes "Extend Microsoft SharePoint – Associate" and "Extend Microsoft Viva Connections". Below the main content, there are two cards: "Introduction" (1 min) and "Basics of ACEs: card templates, CardViews, properties, and states" (9 min). To the right of the screenshot, there are two blue abstract icons: one resembling a person and another resembling a speech bubble or 'e'.

The Road Ahead – SPFx roadmap

- **1.16.1 General Availability on 30th of November**
 - Teams JavaScript SDK v2 native support in SPFx solutions – rolling out also to existing solution for extending SPFx solutions across the Microsoft 365 areas
 - New Top Actions support for web parts (preview) - Top Actions allow developers to add custom actions to web part's command bar. The feature is like property pane controls but based on cleaner UI approach.
 - ... and more... 🚀
- **1.17 ETA in first quarter of 2023**
 - Bot Framework powered Microsoft Viva cards in preview
 - Node v18 support, React update and more technical updates
 - New features, capabilities and improvements across the feature stack
- **“SPFx v2” planned for 2023 with more comprehensive support for Microsoft 365 all up platform**

and more across Microsoft Viva, Microsoft Teams, Outlook, Microsoft 365 app and SharePoint...even more to come.

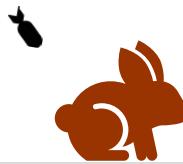


PnPjs Client-Side Libraries





PnPjs Client-Side Libraries

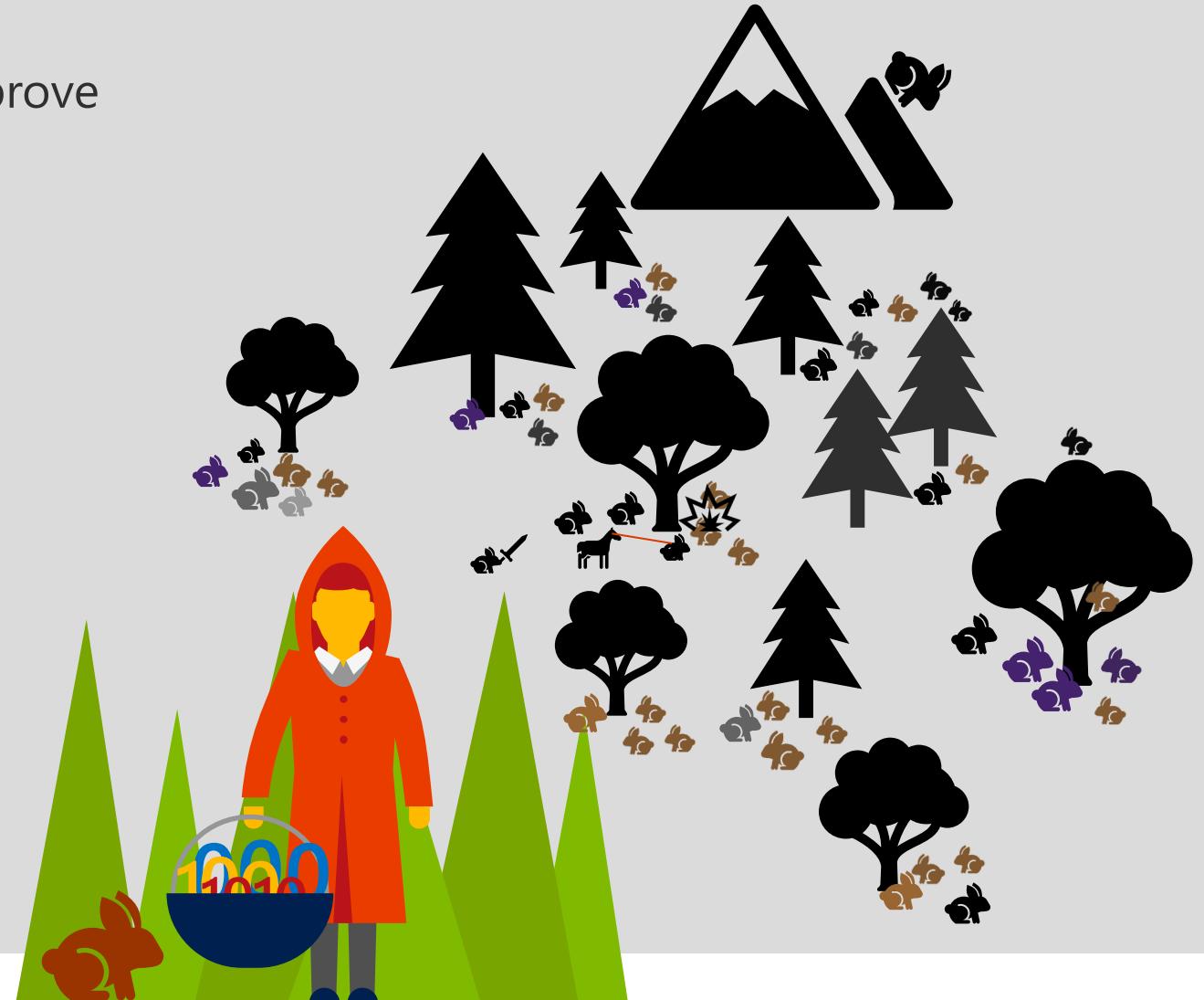


Version 3.11 released Jan 13th

- General documentation updates
- Additions to sp/sites to getSiteStatus and improve typings
- Overhaul of Graph - OneDrive endpoint
- 2022 Year In Review

Don't forget about the nightly builds

npm install @pnp/sp@v3nightly --save



CLI for Microsoft 365





CLI for Microsoft 365

New release v6.1:

- **SharePoint**, support for upgrading SPFx projects to v1.16.1, clear label from list item, list all app catalogs in tenant, list labels available in a site
- **Power Platform**, get and remove chat bots, list and remove Dataverse table rows, add solution publisher
- **Microsoft Teams**, list all attendance reports for a Teams meeting
- **Microsoft Planner**, update Planner plans
- **Azure AD**, get group information
- **Microsoft Search**, add external connection schema
- **Microsoft Purview**, list, remove and update labels
- ...and more!

Install and run latest v6.1 :

```
npm install -g @pnp/cli-microsoft365@latest  
docker run --rm -it m365pnp/cli-microsoft365:latest
```

Release notes: <https://pnp.github.io/cli-microsoft365/about/release-notes/#v610>

CLI for Microsoft 365
472 Tweets

PnP CLI MICROSOFT 365

Home User Guide Commands Concepts Sample Scripts About

CLI for Microsoft 365

Using the CLI for Microsoft 365, you can manage your Microsoft 365 tenant and SharePoint Framework projects on any platform. No matter if you are on Windows, macOS or Linux, using Bash, Cmder or PowerShell, using the CLI for Microsoft 365 you can configure Microsoft 365, manage SharePoint Framework projects and build automation scripts.

cli-microsoft365 Follows you

Using CLI for Microsoft 365, you can manage your Microsoft 365 tenant and SharePoint Framework projects on any platform.

Cloud aka.ms/cli-m365 Joined February 2018

discord.com/invite/7rfW4kg6B5

Installation Getting started SharePoint Patterns and Practices

MICROSOFT 365 & POWER PLATFORM COMMUNITY

CLI for Microsoft 365 2023

QR code linking to discord.com/invite/7rfW4kg6B5

[@climicrosoft365](https://twitter.com/climicrosoft365) #CLIMicrosoft365

aka.ms/cli-m365

discord.com/invite/7rfW4kg6B5

Microsoft Graph Developer Proxy

Testing. Re-imagined.

Any API. Simulate throttling. Simulate errors. Simulate responses.



🚀 v0.3 release

<https://aka.ms/graph/proxy/download>

What's new

- Simulate errors on Microsoft Graph and **other APIs**
- Use **\$select** to improve performance of your apps
- **CTRL + C** to close

Top of mind

- Improve **readability** of output
- **Notify** when using **beta** endpoints
- Support **plugins**

SPFx Reusable Components





Reusable SPFx Controls

React Controls – 3.12.0

- Enhancements for DynamicForm and SitePicker
- SPFx v1.16.0 support
- Various fixes

Release notes: <https://pnp.github.io/sp-dev-fx-controls-react/about/release-notes/>



React Property Controls – 3.11.0

- SPFx v1.16.0 support
- Various fixes

Release notes: <https://pnp.github.io/sp-dev-fx-property-controls/about/release-notes/>

Special thanks to our contributors: Carlos Marins Jr, Chad Eiserloh, Chandani Prajapati, Edin Kacic, Hilton Giesenow, Josef Benda, Nello D'Andrea, Nishkalank Bezawada, Nizar Grindi, Paolo Pialorsi, Patrik Hellgren, Peter Paul Kirschner, Victor Romanov.

More information:

<https://sharepoint.github.io/sp-dev-fx-property-controls>
<https://sharepoint.github.io/sp-dev-fx-controls-react>

Twitter: @M365PnControls

The screenshot shows the SharePoint ribbon interface. On the left, there is a 'Select your field(s)' dropdown menu containing three items: 'Number of Likes', 'Number of Ratings', and 'Rating (0-5)'. On the right, there is a 'Select your content type' dropdown menu containing three items: 'Discussion', 'Folder', and 'Summary Task'.

Viva Connections Toolkit for Visual Studio Code



Viva Connections Toolkit for Visual Studio Code

Latest version 0.3.2 released on 4th of January

- Uses SPFx v1.16.1 and CLI for Microsoft 365 6.1 behind the scenes with greatest and latest features
- Improved scenario handling – start with the code tour showing how to get started
- Simplifies Viva Home/Viva Connections development
- Works with any SPFx solution with features like
 - Environment validation
 - Install dependencies
 - Operate directly with tenant
 - Gulp tasks, guidance, samples, scenarios easily available
 - ...and more!

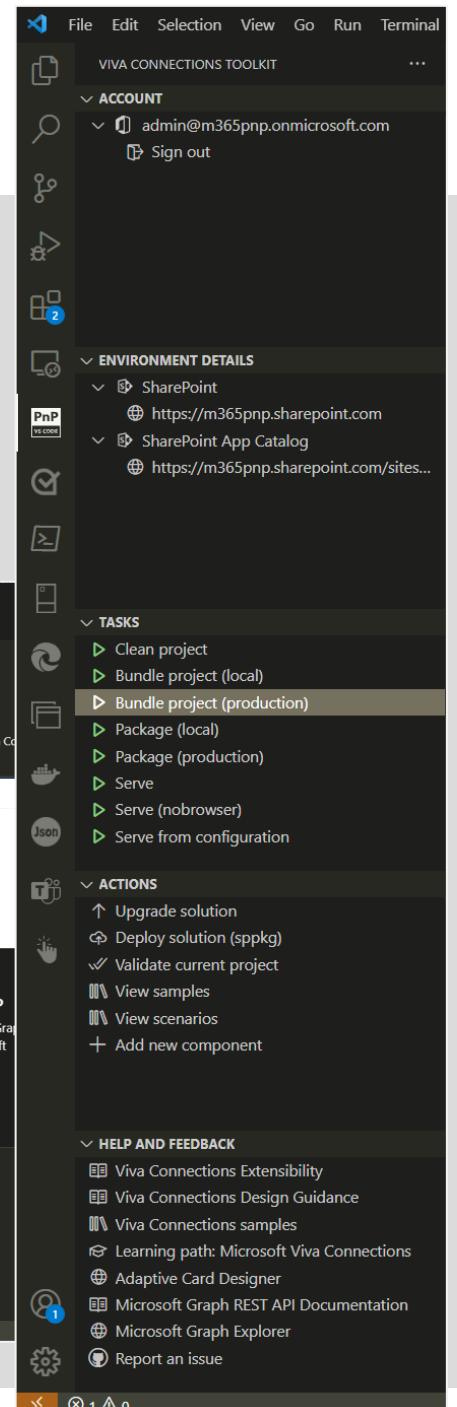
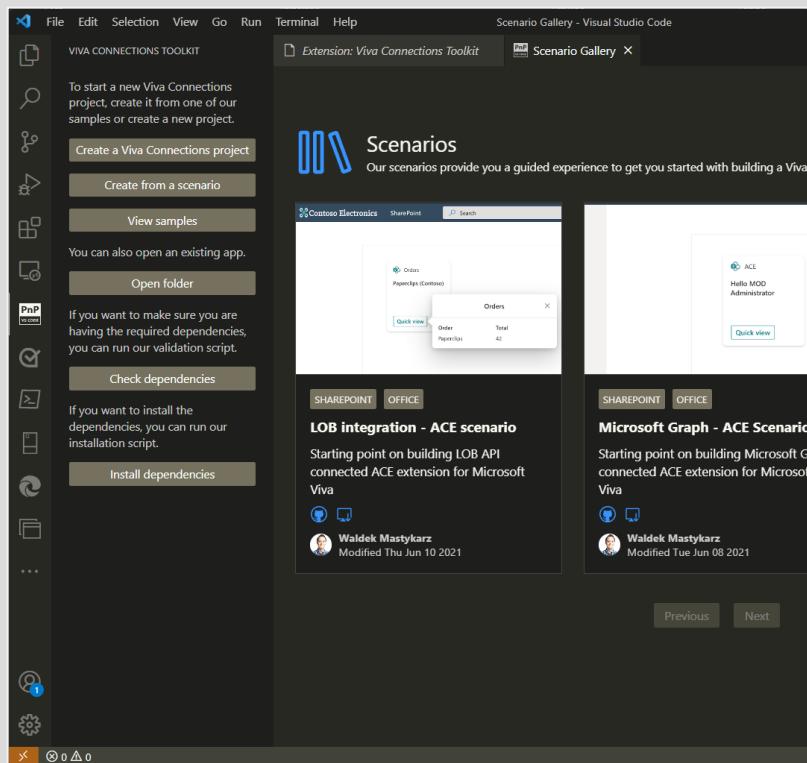
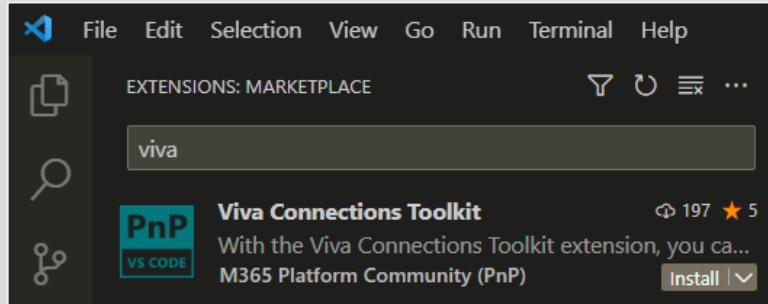
Install directly from the VS Code extensions tab

📺 Getting started video series coming up soon!

GitHub location:

📖 aka.ms/viva/vscode

✍ We welcome contributions and feedback!



PnP Modern Search



PnP Modern Search

<http://aka.ms/pnp-search>

Building modern Search experiences with flexible web parts

- **v4.8 – (the ESPC22 release)**
 - <https://github.com/microsoft-search/pnp-modern-search/releases>

Thank you edarroudi, salasz, ferrarirosso, PaoloPia, brianpmccullough, asadrefai, Porantim, patrikhellgren, davemehr, emilyk0520

 - SPFx v1.15.2 update
 - Support for actionable Adaptive Cards (like in Viva)
 - See release notes for fixes and new features
- **Will stop doing v3 updates as it's been about a year with Mikael not caring to code on it 😊**

The screenshot shows the PnP Modern Search interface. At the top, there is a search bar with the text '74 results for '''. Below the search bar, there are three search results cards:

- Boostez votre recherche SharePoint grâce aux Microsoft Cognitive Services!** (PDF icon) - A document from MSReBUILD 2017.
- A Guide to Assessing SharePoint Server Licensing** (Word icon) - A document from Microsoft giving an overview of licensing for SharePoint Server 2010, 2007, and 2003.
- GS09.PPTX** (PPT icon) - A presentation slide titled 'Unlock creativity and empower teamwork in the modern workplace ...'.

Below the search results, there is a 'Get started: Office 365' card.

On the right side of the screen, there is an 'Edit results template' dialog box. It shows the HTML/CSS code for the search results template. The code includes sections for styling, promoted results, and standard search results. The dialog has 'Save' and 'Cancel' buttons at the bottom.

PnP SPFx Samples

**PnP
SAMPLES**



PnP SPFx Samples

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

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

- **Holiday Calendar**

Harminder Singh | HarminderSethi

- **Tab Accordion with Rich Text**

Constey | Constey

- **Offer Creation**

Markus Moeller | @moeller2_0

The image displays three screenshots of SharePoint Framework (SPFx) samples:

- Holiday Calendar:** A modal window showing a single holiday entry for "Republic Day" on "Thursday January 26th". It includes a "Add in calendar" button and a "Next" button.
- Tab Accordion with Rich Text:** A Microsoft Viva Learning page. The main heading is "Accelerate Learning", followed by the text: "Viva helps employees make learning a natural part of the day by bringing learning into the flow of work with the tools they already use." Below this are images of a smartphone and a tablet displaying the Viva app interface. A sidebar on the left lists "Viva Insights", "Viva Topics", and "Viva Connections".
- Offer Creation:** A form titled "Offer creation" with fields for "Title" (SPFx Offer 1), "Offer Date" (Mon Dec 12 2022), "Price" (499.99), "VAT" (7% (reduced)), and "Description" (A very long description). A "Create Offer" button is at the bottom.



PnP SPFx ACEs

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

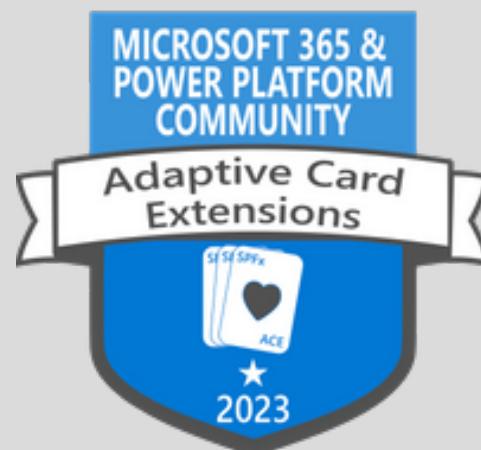
People Search

Kunj Sangani | @sanganikunj

The screenshot shows the SharePoint People Search interface. A search bar at the top contains the text "Mayur". Below it, two user cards are displayed: "Mayur" with the email "Mayur@testinglala.onmicrosoft.com" and "Mansee Lalcheta" with the email "Mansee@testinglala.onmicrosoft.com".

The screenshot shows the SharePoint People Search interface. A search bar at the top contains the text "Jalpa Sangani". Below it, one user card is displayed: "Jalpa Sangani" with the email "jalpasangani@testinglala.onmicrosoft.com".

*** We Love New Samples ***

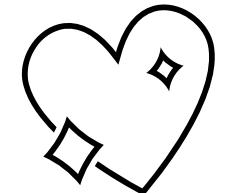


The screenshot shows the Microsoft Teams Chat interface. The left sidebar shows pinned conversations with "kunj sangani (You)" and "SharePoint Patterns and Practices Cli...". The main chat area shows a message from "Jalpa Sangani" with the text "Viva Connections and SharePo... Unknowns Thank you". The bottom right corner shows a small emoji toolbar.

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!



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 beige pants is pointing at 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. They are standing in front of a wooden conference table.

DEMO

- **Getting started with hTWOo React controls for Microsoft 365**
– Julie Turner (Sympraxis)
- **Adaptive Cards samples for Viva Connections**
– Alex Clark (Microsoft)

Thank you

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

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

Next Viva Connections & SPFx call: **January 26th at 07:00am PT**

Next M365 & Power Platform call: **January 19th at 07:00am PT**

All available community calls from <https://aka.ms/community/calls>

