

Viva Connections & SharePoint Framework Bi-weekly sync

January 26th, 2023

Microsoft 365 Platform Community team

Your host in this call:
Paolo Pialorsi



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
 - **Nikolay Belykh** - Building SPFx Visio file presenter for Teams and SharePoint
 - **Markus Möller** - Extend the PnP React SPFx ListView control with a contextual menu
 - **Dan Toft** - Building CAML query web part for easy data presentation



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

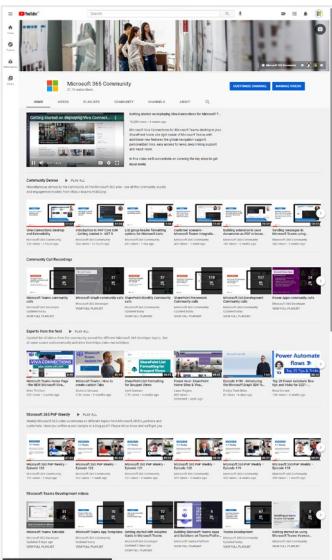
Provide Feedback

- 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.

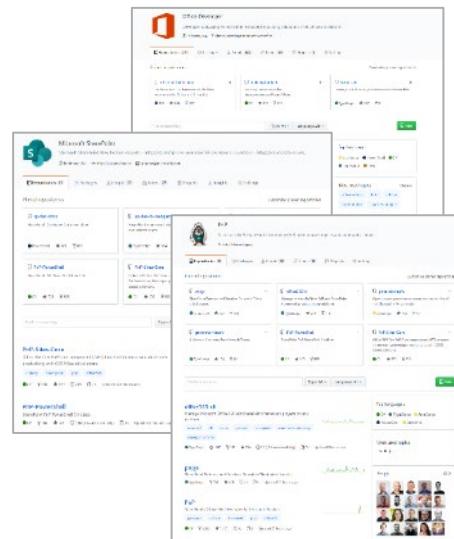
Request a demo spot on the call
<https://aka.ms/m365pnp/request/demo>

Microsoft 365 community videos



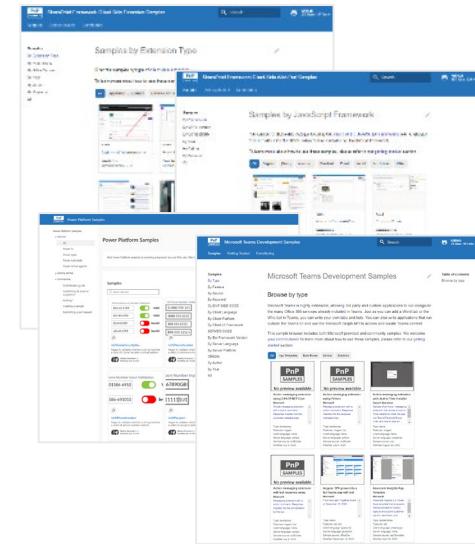
aka.ms/m365/videos

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

31st 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
- **Nancy Handa & Anshuman Gaur** – Introduction to Microsoft Viva Home
- **Tomas Chladek** – Introduction to Azure Communication Services



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". 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 in a party hat. Status: MORE DATES COMING SOON. Registration status: REGISTRATION OPEN. Learn more →
- Power Platform Samples Contributor**: Shows a screenshot of a Power Platform Samples page. Status: REGISTRATION OPEN. Registration status: REGISTRATION OPEN. Learn more →
- Community Docs**: Shows a screenshot of the Microsoft 365 Community Docs page. Status: REGISTRATION OPEN. Registration status: REGISTRATION OPEN. Learn more →
- Writing for the Web**: Shows a screenshot of a "Writing for the Web" page. Status: REGISTRATION OPEN. Registration status: REGISTRATION OPEN. Learn more →
- PnP SPFx Workstation Setup**: Shows a screenshot of a "PnP SPFx Workstation Setup" page featuring icons for various tools like VS Code, Node.js, and Git. Status: MORE DATES COMING SOON. Registration status: REGISTRATION OPEN. Learn more →
- nvm Node Version Manager**: Shows a screenshot of the "nvm" Node Version Manager interface. Status: MORE DATES COMING SOON. Registration status: REGISTRATION OPEN. Learn more →

A large orange callout box in the bottom left corner of the tablet screen says "New Sessions Scheduled in February!!!".

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

COMMUNITY



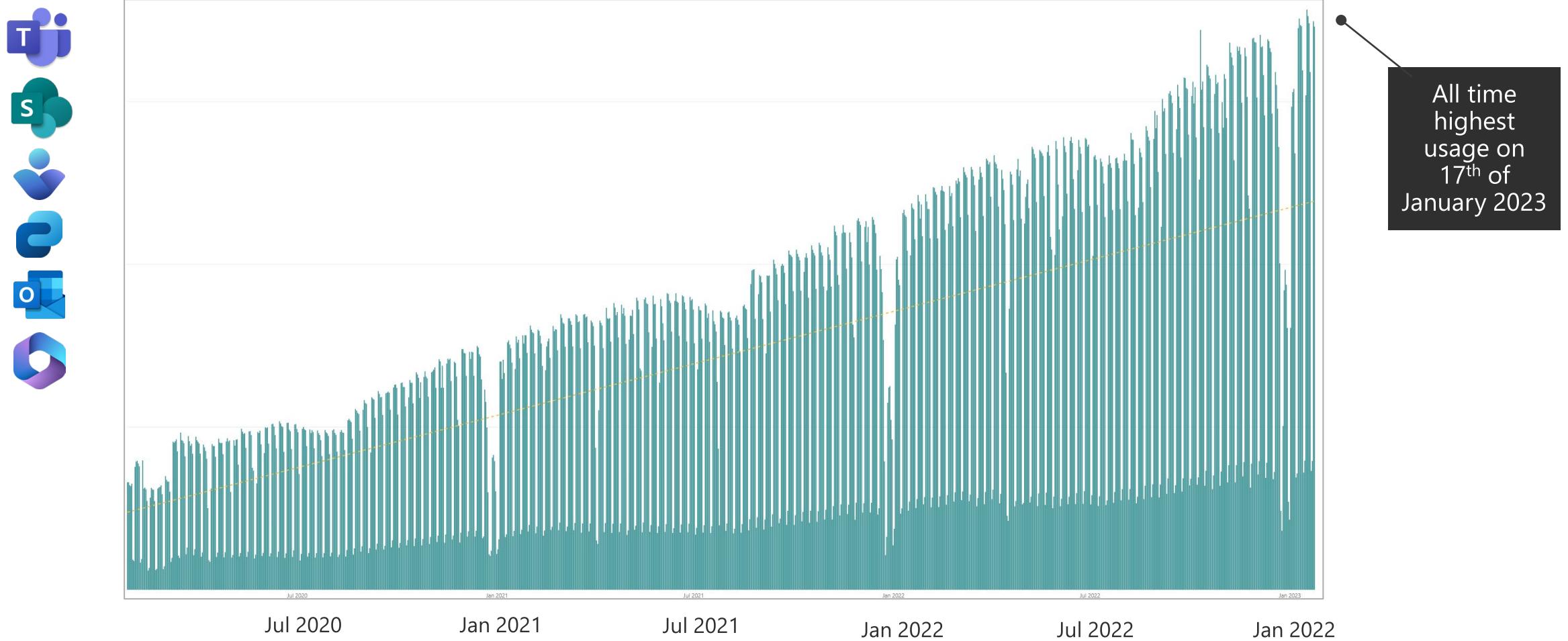
<https://aka.ms/community/recognition>

SharePoint Framework

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

Daily active users 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.

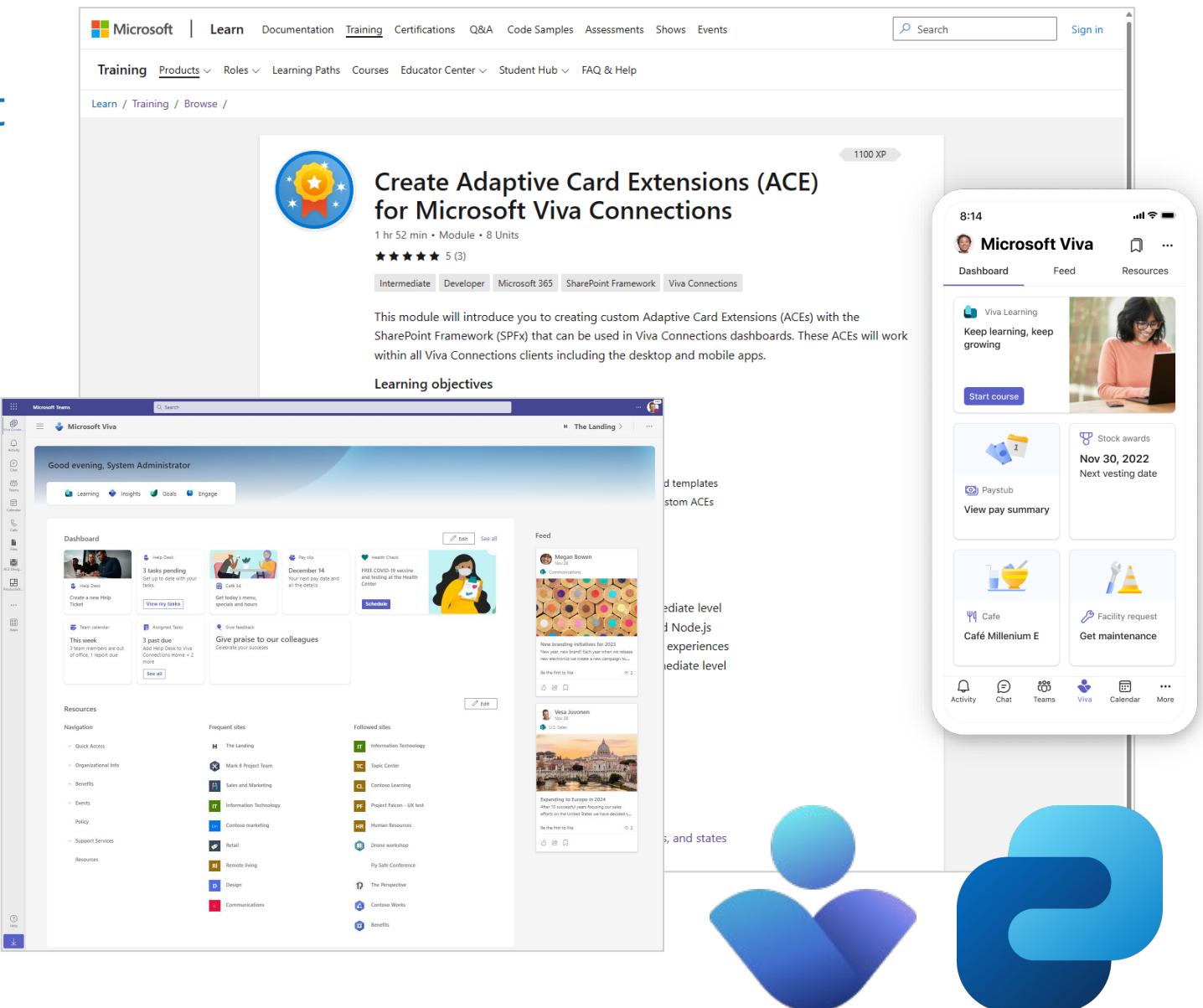
Three distinct exercises

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 Road Ahead – SPFx roadmap

- **1.16.1 General Availability on 30th of November**
 - Right version for production usage currently across Microsoft Viva, Microsoft Teams, Outlook, Microsoft 365 app and SharePoint ... 
- **1.17 ETA in first quarter of 2023**
 - Pop-up support for token acquisition in browsers
 - Bump version of TeamsJS SDK to 2.7(+)
 - Web part top actions to Generally Available
 - Webpack 5 support
 - Bump to Teams manifest 1.13* in "Sync to Teams"
 - Adaptive Cards 1.5 schema support for Viva ACE Cards
 - Preview of bot framework driven Viva cards
 - Node v18 support, React update and more technical updates
 - New features, capabilities and improvements across the feature stack

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

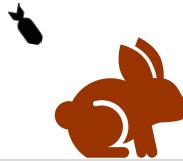


Open-source projects

Latest from the different open-source projects across the
Microsoft 365 & Power Platform community



PnPjs Client-Side Libraries

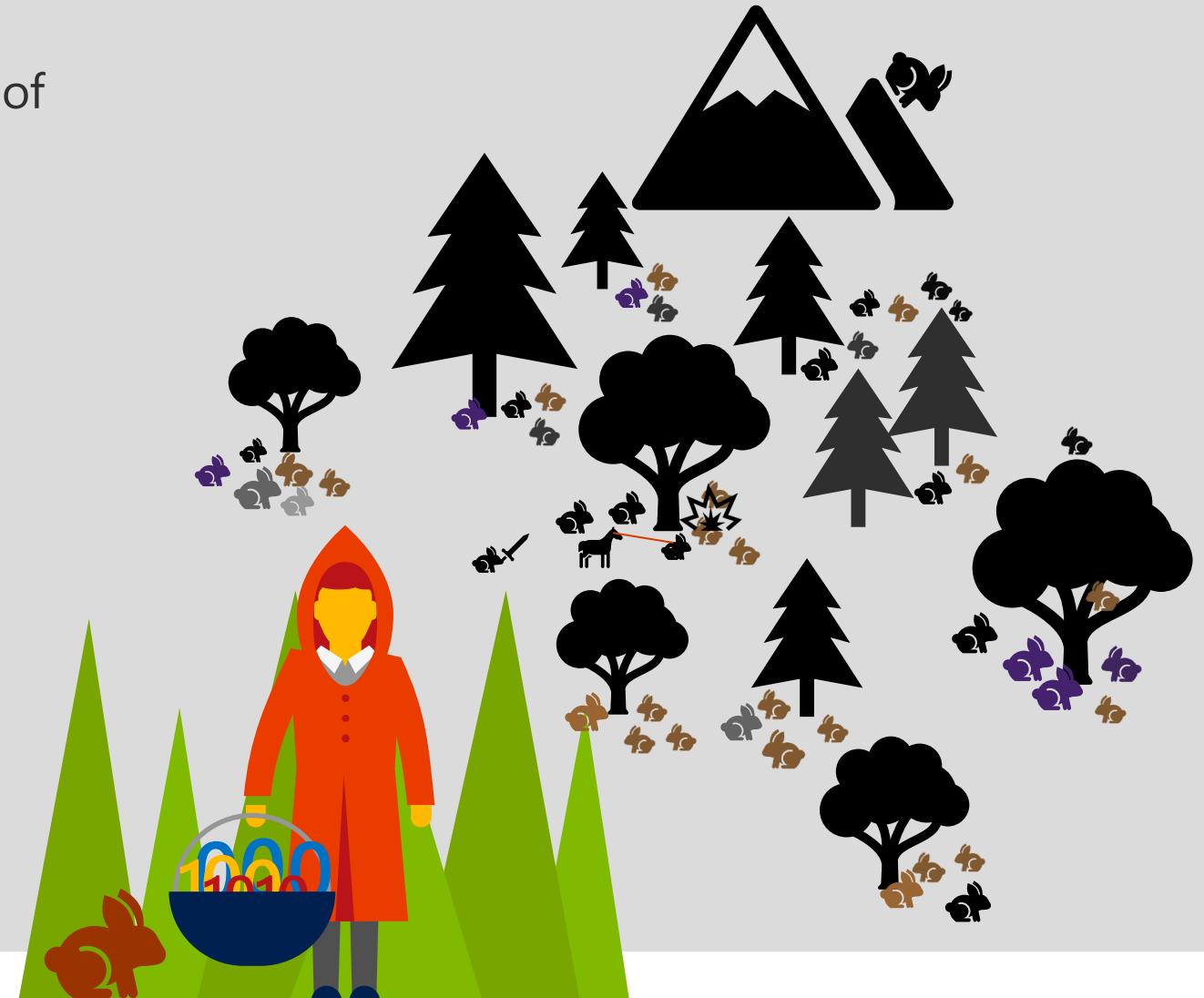


Version 3.12 to be released Feb 10th 2023

- General documentation updates
- Fixed for unhandled promise in start method of Timeline

Don't forget about the nightly builds

npm install @pnp/sp@v3nightly --save





CLI for Microsoft 365

New v6.2 beta:

- **OneNote**, list OneNote pages
- **Power Platform**, get, list and remove AI Builder models, publish Solutions
- **SharePoint**, get, list and remove file sharing links, apply and remove retention labels on files, folders, list and list items, local and unlock list item record
- **Purview**, get and create retention labels
- **Teams**, send message to a channel
- ...and more!

Install and run v6.2 beta :

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

Release notes: <https://pnp.github.io/cli-microsoft365/about/release-notes/#v620-beta>

The screenshot shows the Twitter profile of the account @climicrosoft365. The bio on the profile reads: "Using 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." A large blue banner across the bio area says "MICROSOFT 365 & POWER PLATFORM COMMUNITY" and "CLI for Microsoft 365 2023". To the right of the bio, there is a QR code and a link to discord.com/invite/7rfW4kg6B5. The profile picture is a cartoon character wearing a PnP t-shirt.

[@climicrosoft365 #CLIMicrosoft365](https://twitter.com/climicrosoft365)
 aka.ms/cli-m365
 discord.com/invite/7rfW4kg6B5

Testing. Re-imagined.

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



v0.3

<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

Coming next

- v0.4 release due **Jan 31 2023**
- Microsoft Graph beta endpoint detection
- Improvements to console output
- Plugin support





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: @M365PnPControls

Select your field(s)

- Number of Likes
- Number of Ratings
- Rating (0-5)

Select your content type

- Discussion
- Folder
- Summary Task



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!

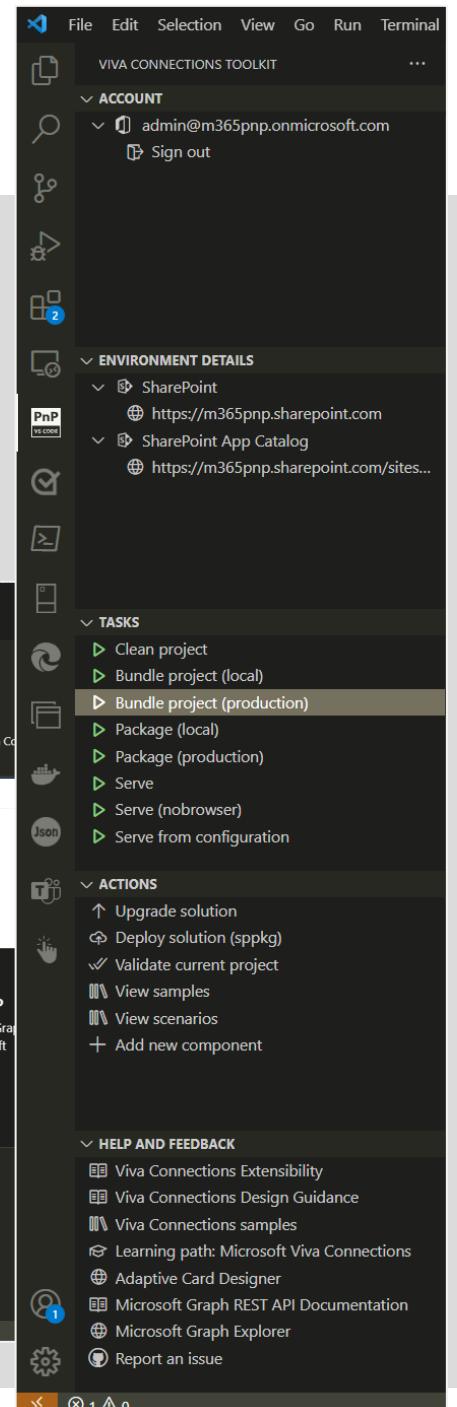
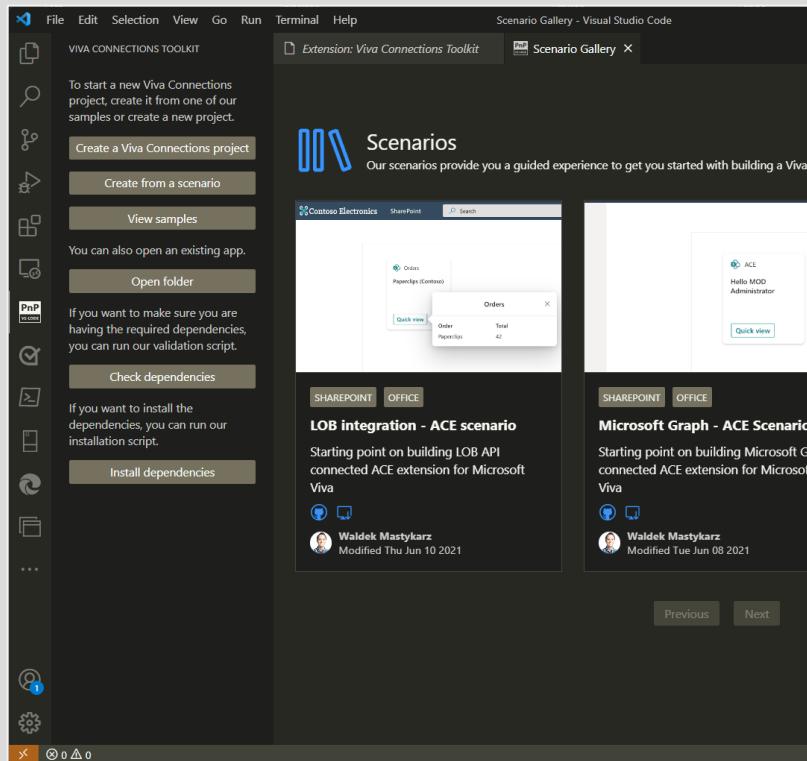
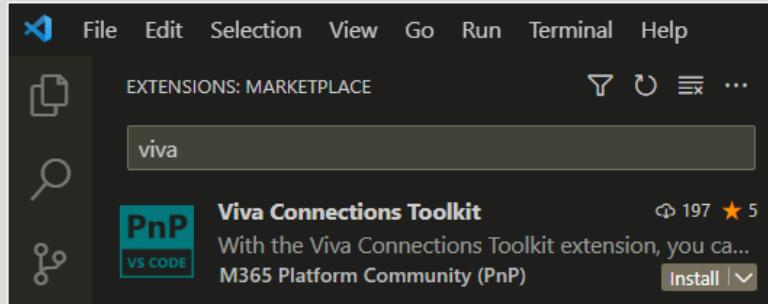
Install directly from the VS Code extensions tab

[Getting started video series coming up soon!](#)

GitHub location:

aka.ms/viva/vscode

We welcome contributions and feedback!





PnP Modern Search

<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

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

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

Below these cards, there's a link to 'Get started: Office 365'. On the right side, there's a modal window titled 'Edit results template' containing the following code:

```
1 <content id="template">
2   <style>
3     /* Insert your CSS overrides here */
4   </style>
5 
6   <div class="template_root">
7     {{#if showResultsCount}}
8       <div class="template_resultCount">
9         <label class="ms-fontWeight-semibold">{{getCountMessage}}</label>
10      </div>
11    {{/if}}
12    {{#if promotedResults}}
13      <ul class="template_defaultList template_promotedResults">
14        {{#each promotedResults as |promotedResult|}}
15          <li class="ms-fontWeight-semibold title">{{strings.Pro...</li>
16            <div>
17              <div>
18                <i class="ms-Icon ms-Icon--Minilink" aria-...
19              </div>
20            </div>
21            <a class="ms-font-1" href="{{Url}}">{{Title}}
22            <div class="ms-font-s"{{Description}}</div>
23          </div>
24        {{/each}}
25      {{/if}}
26      {{#if items}}
27        <ul class="template_defaultList">
28          {{#each items as |item|}}
29            <li class="listItem" tIndex="0">
30              {{item}}
31            </li>
32          {{/each}}
33        {{/if}}
34      </ul>
35    </div>
36  </div>
37</content>
```

At the bottom of the modal, there are 'Save' and 'Cancel' buttons.



PnP SPFx Samples

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

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

- **Fluent UI 9**
Nick Brown | @techienickb
- **Interactive Map**
Sergej Schwabauer | @spfxappdev
- **Page Navigator**
Nils Andresen | @nils_andresen

The image displays three screenshots of PnP SPFx Samples:

- Fluent UI 9 Demo:** A screenshot of a SharePoint page showing a "Well done, Nick Brown!" message and a "Welcome to SharePoint Framework!" section. It includes a "Demo components" section with examples of Buttons, Cards, and Inputs.
- Interactive Map:** A screenshot of a map interface showing Europe. It includes a sidebar with various configuration options like "General settings", "Zoom controls", and "Categories".
- Page Navigator:** A screenshot of a SharePoint page titled "Test Anchor Nav" featuring an anchor navigation component.



PnP SPFx ACEs

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

Presence Status with Presence Graph API
Yves Habersaat | @yhabersaat

*** We Love New Samples ***

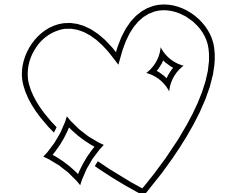


The image displays three overlapping screenshots of a SharePoint web part interface. The top two screenshots show a modal dialog box titled 'Set status message' with a green 'Success!' message and red 'Back' and 'Close' buttons. The background shows the main page with the text 'You have no status message.' and a blue 'Set status' button. The bottom screenshot shows the 'Web part Manifest' configuration page for this web part. It includes a preview window showing the same 'Status Message' content, and a configuration panel on the right with fields for 'Card size' (set to 'Medium'), 'Card title' ('Status Message'), and a detailed description: 'This ACE demonstrates how to use the Presence Graph API endpoints (beta) to set and retrieve a presence status message for a user.'

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 light-colored pants is pointing towards a whiteboard with her right hand. A man in a black t-shirt and blue jeans stands to her left, looking at the board. Another person, partially visible behind her, is also looking at the board. The whiteboard has some handwritten text and diagrams. In the foreground, there's a wooden chair and a small table with a white cloth and a logo on it.

DEMO

- Building SPFx Visio file presenter for Teams and SharePoint
 - Nikolay Belykh
- Extend the PnP React SPFx ListView control with a contextual menu
 - Markus Möller
- Building CAML query web part for easy data presentation
 - Dan Toft

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: **February 9th at 07:00am PT**

Next M365 & Power Platform call: **February 2nd at 07:00am PT**

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

