

# Microsoft 365 & Power Platform Development – Bi-weekly call

October 13<sup>th</sup>, 2022

Your host in this call:  
David Warner (Microsoft)



# Agenda

- Latest Updates on community
- PnP .NET libraries
- PnP PowerShell
- Latest on yo Teams
- Latest on the Microsoft Teams Toolkit
- Latest on Microsoft Graph Toolkit
- Independent Publisher Connectors
  
- Latest on script samples
- Latest Microsoft Teams samples
- Latest on Power Platform samples
  
- Picture time with the **Together Mode!**
  
- **Joe Unwin** - Fantasy Premier League  
Independent Power Platform Connector
  
- **Fabio Franzini** - Create a better version of  
HTML Text component using PCF  
components in Power Apps



# Opportunities to Participate in the community

Demo solution  
or technical  
pattern

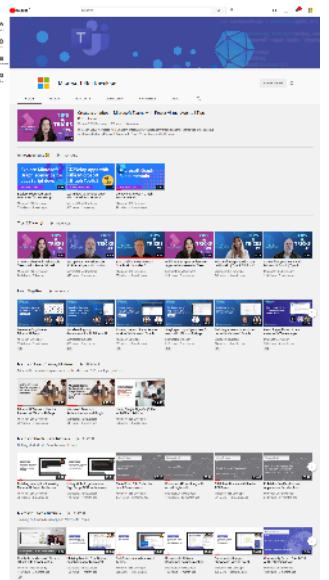
Contribute on  
GitHub

Provide  
feedback

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.

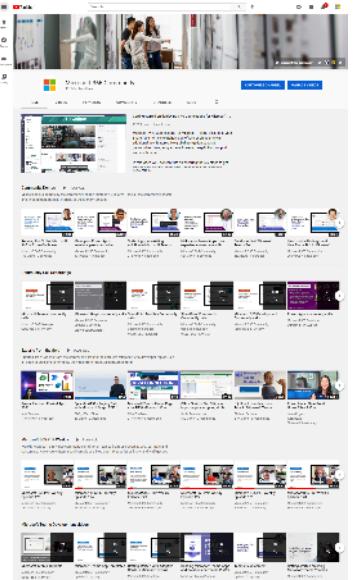
Request a demo spot on the call  
<https://aka.ms/m365pnp/request/demo>

## Microsoft 365 developer videos



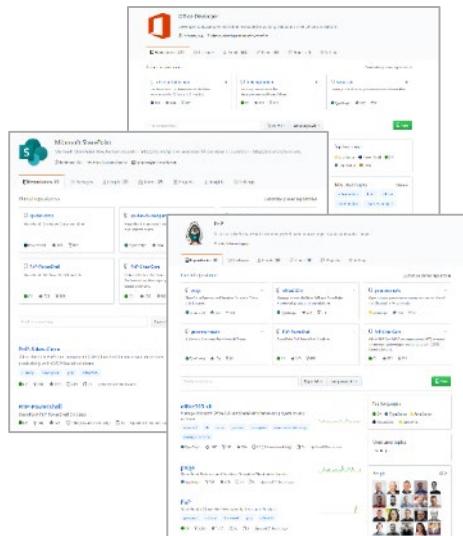
[aka.ms/m365devyoutube](https://aka.ms/m365devyoutube)

## Microsoft 365 community videos



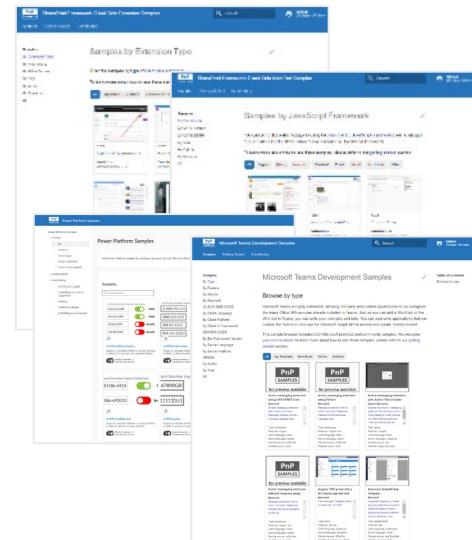
[aka.ms/m365pnp/videos](https://aka.ms/m365pnp/videos)

## Open-source



[github.com/sharepoint](https://github.com/sharepoint)  
[github.com/pnp](https://github.com/pnp)  
[github.com/OfficeDev](https://github.com/OfficeDev)  
[github.com/microsoftgraph](https://github.com/microsoftgraph)

## Sample galleries



[aka.ms/m365/samples](https://aka.ms/m365/samples)  
[aka.ms/teams-samples](https://aka.ms/teams-samples)  
[aka.ms/spfx-webparts](https://aka.ms/spfx-webparts)  
[aka.ms/powerplatform-samples](https://aka.ms/powerplatform-samples)  
[aka.ms/spfx-extensions](https://aka.ms/spfx-extensions)  
[aka.ms/list-formatting](https://aka.ms/list-formatting)

## Open-source initiatives and samples



[aka.ms/m365/community](https://aka.ms/m365/community)

# Microsoft 365 developer community calls

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

Adaptive Cards

<https://aka.ms/adaptivecardscommunitycall>

Microsoft identity platform

<https://aka.ms/IDDevCommunityCalendar>

Office Add-ins

<https://aka.ms/officeaddinscommunitycall>

Power Platform

<https://aka.ms/PowerPlatformMonthlyCall>

Microsoft 365 & Power Platform Development (bi-weekly)

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

Viva Connections & SharePoint Framework (bi-weekly)

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

Download recurrent invites from

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

# Microsoft 365 platform call

18<sup>th</sup> of October @8 AM PT

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



- Latest news from Microsoft engineering on the **Microsoft 365** topics
- Community together mode group photo
- **Brian T. Jackett** and **Cameron Parker** – Introduction to Microsoft Graph Search APIs
- **Ayca Bas** – Build your first Command bot in C# for Microsoft Teams with Teams Toolkit for Visual Studio

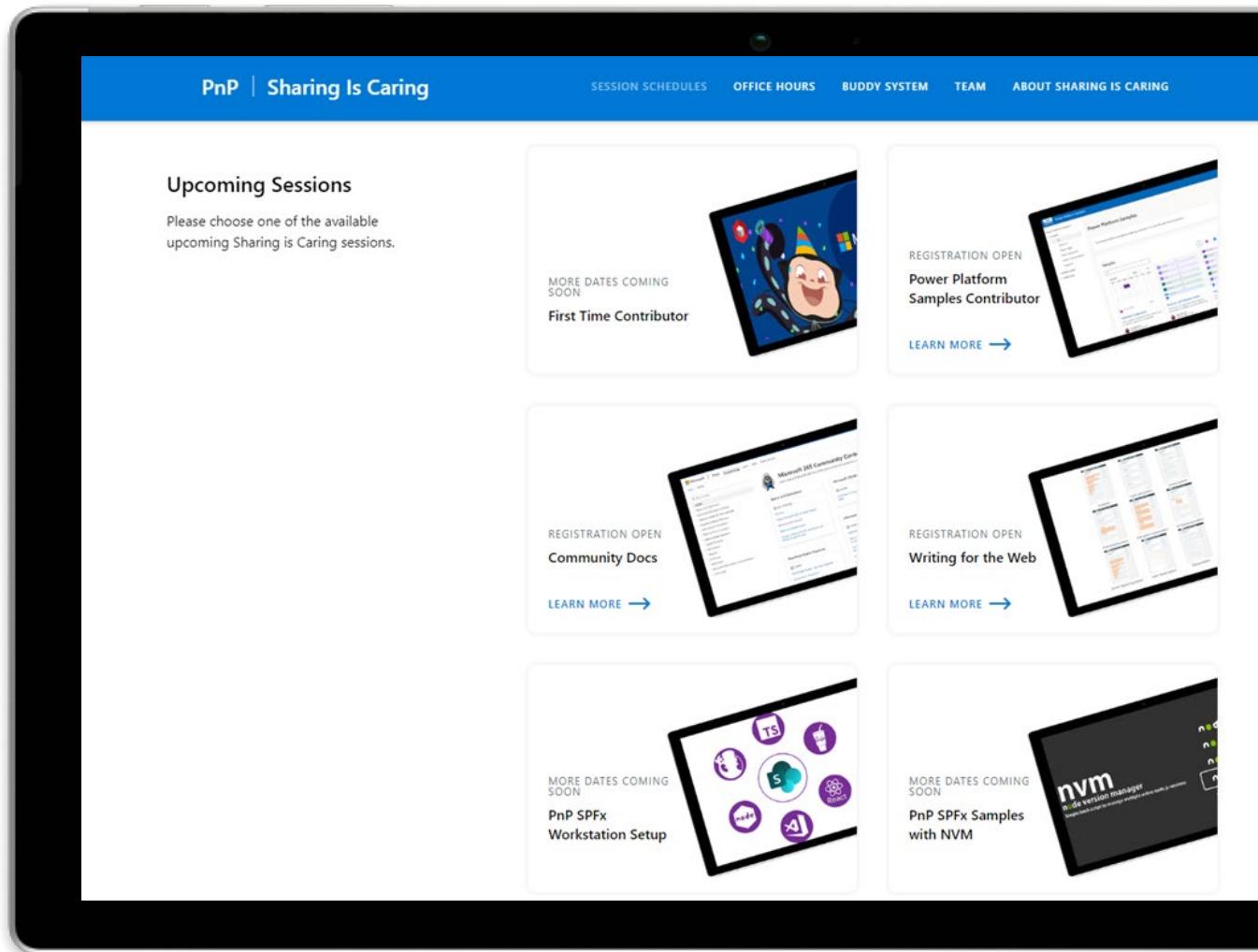
# GUIDANCE

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

## Upcoming Sessions:

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

Sharing is Caring  
Videos Coming Soon



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

# COMMUNITY



# PnP Recognition Program

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



<https://aka.ms/m365pnp-recognition>



# Project specific updates

Updates and progress on the different open-source tooling lead by Microsoft and community members.

You are welcome to join the projects – your feedback matters! 🚀 ❤️



# PnP .NET libraries

Working on it

- >800,000 downloads!
- Prepping 1.11.0
- New geo locations, ClearDefaultColumnValues works on large lists and calculated field export fix: Patrik Hellgren, Martin Dubec, Mads Maibohm 🎉 🎉 🚀
- New PnP Provisioning Schema v. 202209 is now available in DEV branch and nightly builds:
  - Feedback welcome on GitHub repo (<https://github.com/pnp/PnP-Provisioning-Schema>)
  - Thank you Paolo Pialorsi and Paul Bullock 🎉 🎉 🚀

<https://github.com/pnp/pnpprovider/blob/dev/src/sdk/CHANGELOG.md>

Roadmap



[nuget.org/profiles/pnp](https://nuget.org/profiles/pnp)  
[aka.ms/pnp/framework](https://aka.ms/pnp/framework)



[nuget.org/profiles/pnp](https://nuget.org/profiles/pnp)  
[aka.ms/pnp/coresdk](https://aka.ms/pnp/coresdk)

## PnP Core SDK

- >1,030,000 downloads!
- Prepping for 1.8.0:
  - Option to set group members during provisioning: Jens Haile 🚀
  - AdaptiveCardAction.IsVisible property for Viva Connections support: Koen Zomers 🎉
  - Bug fixes: Lists.GetByTitle now works case insensitive, GetAvailableThemesAsync better handles incomplete themes

What key scenarios  
are still missing?

PnP CORE SDK Using the SDK API Documentation Contributing Samples

Using the SDK / SDK basics / Getting started

Enter here to filter...

- SDK basics  
Getting started  
Get data  
Get data using paging  
Adding, updating and deleting data  
Advanced PnPContext use  
Batching requests  
Asyn or not  
Custom API requests  
PnP Framework interop  
Microsoft Graph SDK interop  
Debugging  
General configuration  
API configuration  
Upgrade from beta2

+ Authentication  
+ Sites  
+ Webs  
+ Lists  
+ Fields  
+ Content types  
+ List Items

Getting started with the PnP Core SDK

The PnP Core SDK is designed to be used in modern .Net development, hence it relies on dependency injection for its core services. This implies that before you can actually use the PnP Core SDK you need to configure your application to use the PnP Core services. Once that's done you can obtain a `PnPContext` from the `PnPContextFactory` and start using it.

Where is the code?

The PnP Core SDK is maintained in the PnP GitHub repository: <https://github.com/pnp/pnpprovider>

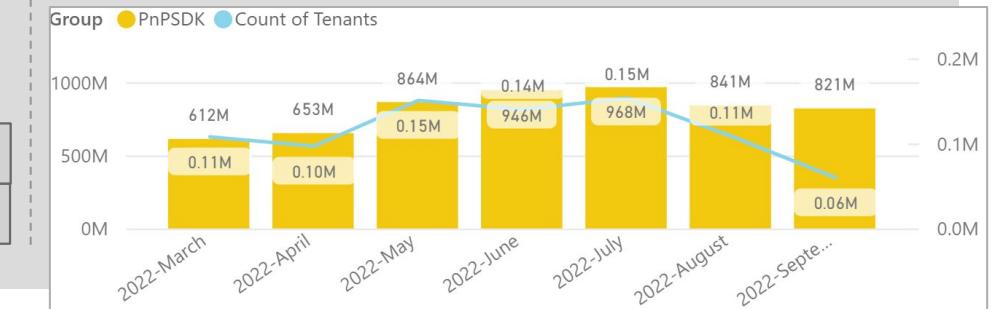
- The code of the PnP Core SDK in the `src\ sdk` folder
- Examples of how to use the PnP Core SDK in the `src\samples` folder
- The source of the documentation you are reading right now

Referencing the PnP Core SDK

The recommended way to reference the PnP Core SDK is via NuGet. You can do this by adding the following line to your project's `csproj` file:

`<ProjectReference Include="..\PnP Core\src\ sdk\PnPContext.csproj" />`

>170.000  
Tenants in  
a month!





# PnP PowerShell



Working on it

## Cross Platform PnP PowerShell

### V1.11.0 released

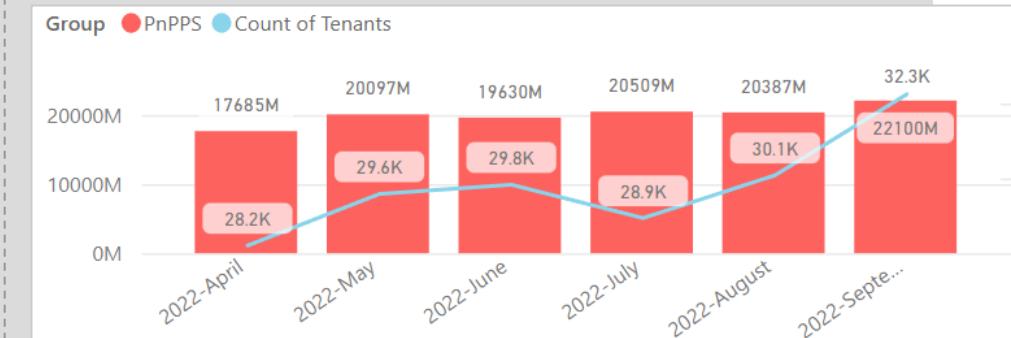
Many updates, improvements and fixes!

- 3.2 million downloads!
- 100 million cmdlets executed per day!!
- Docs shifted, no more [docs.microsoft.com](https://docs.microsoft.com)
- Documentation, Articles and tips available at :  
<https://pnp.github.io/powershell>
- Thinking of dropping support for PS 5, any strong objections ???
- PnP PS runs in PS 5, PS 7, Azure CloudShell, Azure Functions, Azure Runbooks & Raspberry Pi

### New Stuff

- Nightly builds continue
- Managed identity support for SharePoint related cmdlets
- Added **Get-PnPAzureADActivityReportSignIn** cmdlet to retrieve sign-in logs
- Added **Enable/Disable-PnPShellTelemetry** to handle telemetry
- Added **Get/Set/Remove-PnPTeamsTag** cmdlet to handle teams tags
- Added **Add-PnPPageImageWebPart** to add image and improved **Add-PnPPageTextWebpart** to add inline image
- Bug fixes and improvements continue
- What next, .NET 6.0 support ? Would love to hear your thoughts !

>32.000 tenants in a month!



<https://github.com/anoopt/PnP.PowerShell.Predictor>



[github.com/pnp/powershell](https://github.com/pnp/powershell)



[www.powerShellgallery.com](http://www.powerShellgallery.com)  
PnP.PowerShell

<https://github.com/pnp/powershell/blob/dev/CHANGELOG.md>



# yo teams

<https://aka.ms/yoteams>

46K

Totals Downloads



## What's new 🐝

- yoteams-build-core v1.8.0 is out
  - Fix typing mistakes by **Robert Pocklington**
  - Update codeql-analysis.yml by **Rick Van Rousselt**
- Branch updates
  - We switched from **master** to **main**
  - Branch cleanups were done
- **Hacktoberfest** → contribute to yo teams

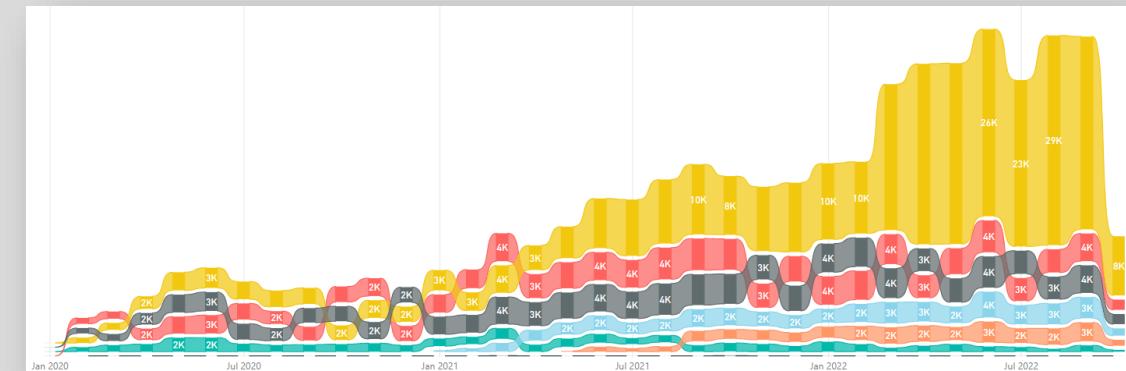
## What's next? 💻

- Docs Docs Docs
- VS Code extension for yo teams (We would love your feedback)
- Support for SSO, MGT, meeting apps and many more

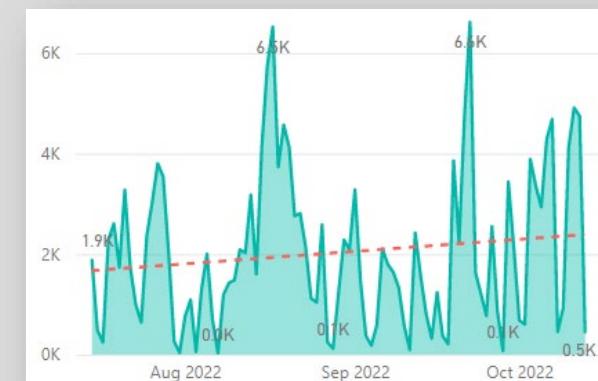
## We need your help ❤️

- 🛡 Help us fix bugs
- 🚧 Help us build/improve features
- Watch out for "help wanted" & "good first issue" issues → <https://aka.ms/yoteams>

Package Downloads



Daily build events





# Microsoft Teams Toolkit



## What's new 🎉

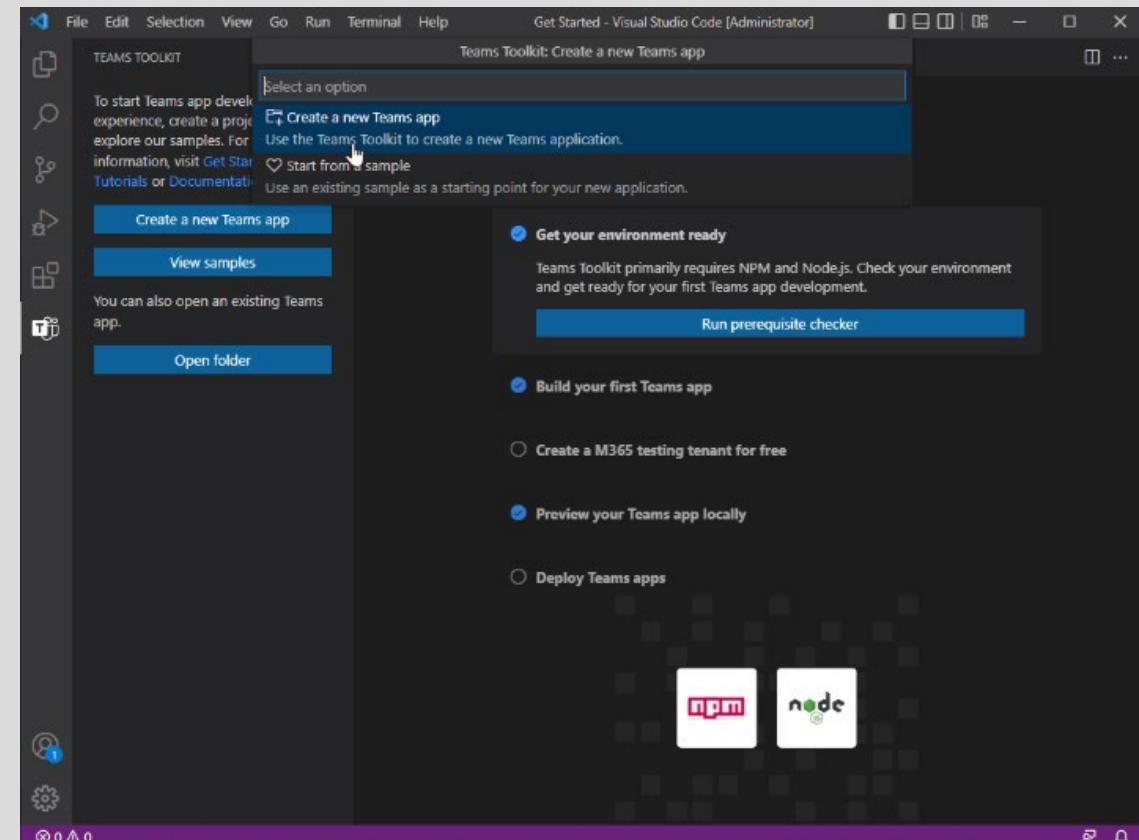
- Latest version currently is 4.0.6 – released late September
- New samples available from <https://github.com/OfficeDev/TeamsFx-Samples>
  - We are working on getting them also surfaced from the centralized Microsoft 365 sample gallery at <https://aka.ms/m365/samples>
  - Alignment with the other Teams samples in progress

## What's next? 📈

- 4.0.7 preview version already out with new builds almost daily
- New app template, Workflow bot, for creating sequences of interactions
- New configuration-driven debugging tasks to control what the toolkit does for F5
- New 'Add SSO' feature for Message extension / Command bot templates
- New support for multi-tab SPFx Teams apps via the Add Feature menu
- No more red warning messages from the browser when you first run your app 😊

## We need your help

- 🛡️ Share issue and bug findings at <https://github.com/OfficeDev/TeamsFx/issues>
- Provide us feedback to further improve the tooling – tell us what you need!



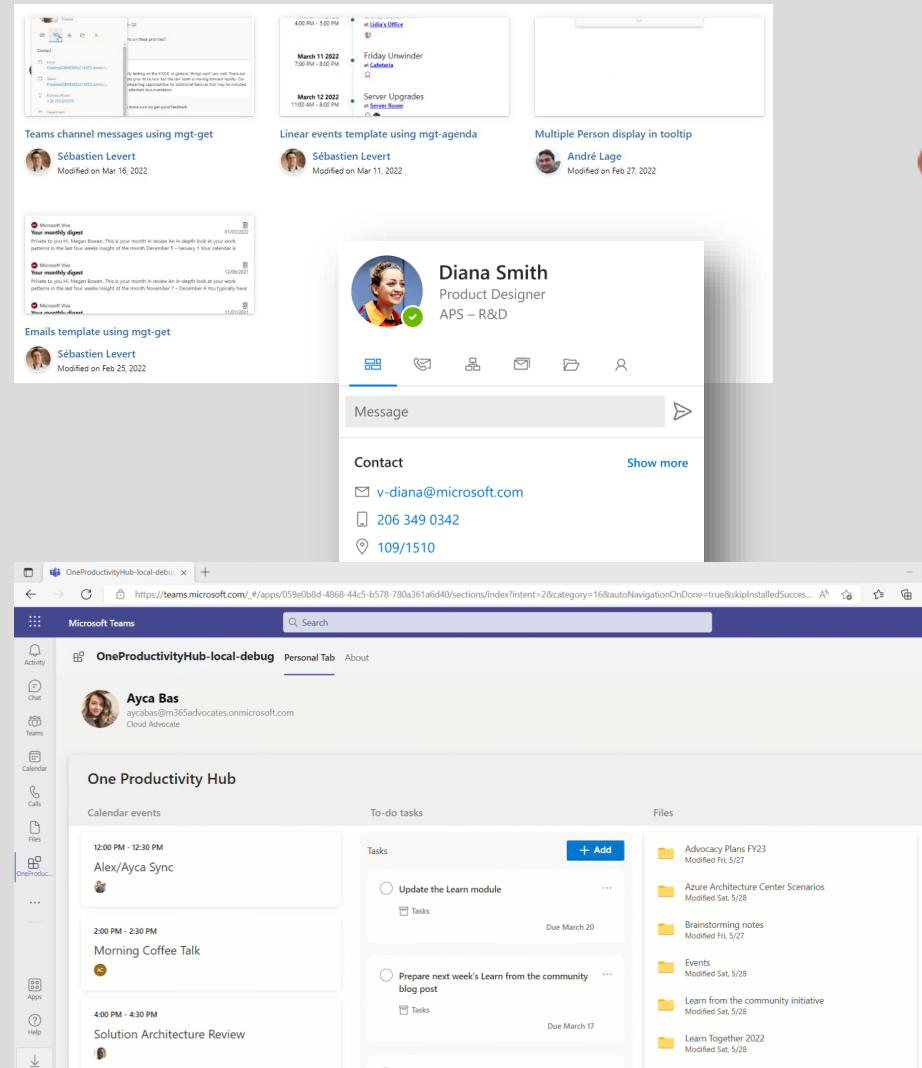


# Microsoft Graph Toolkit

More information: [aka.ms/mgt](https://aka.ms/mgt)

## What's new 🎉

- V2.6.1 is our latest release! Update your packages! <https://aka.ms/mgt/v2.6.1>
  - Thanks @HiltonGiesenow, @AndersSahlin and @aycabas for your contributions 🙌
- The MGT samples repository is live! Keep your contributions coming!  
<https://aka.ms/mgt/samples>



## What's next? 💻

- New minor version coming up next week!
  - `npm i @microsoft/mgt@next`
- Aligning all Toolkit components to Fluent UI Web Components
- More generic components and theming capabilities
- Install our v3.0 preview!
  - `npm i @microsoft/mgt@next.fluentui`

## We need your help ❤️

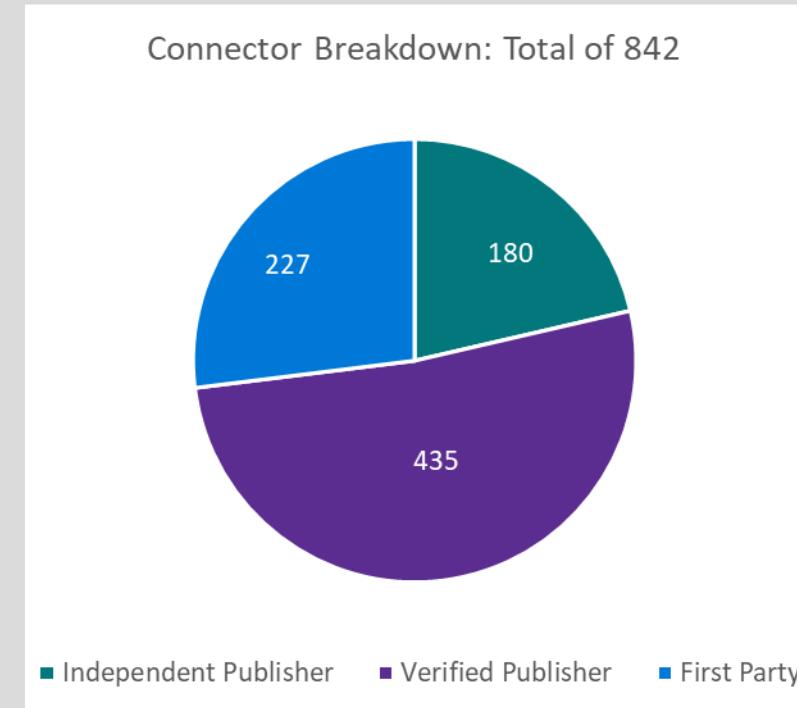
- 🛡️ Help us fix bugs
- 💡 Help us build/improve features
- help-wanted & good-first-issue -> <https://aka.ms/mgt/issues>



# Independent Publisher Connectors

## What's new

- **64 Amazing Independent Publishers!** +4
  - **Victor Okinyi Otieno**
  - **Shadrack Kiprotich**
  - **Mar Pedroche**
  - **Yusadem131**
- **180 Independent Publisher connectors!** +7
  - **Troy Taylor:** Checkly, Did You Mean This, DynamicDocs, Replicate, Synthesia.
  - **Phil Cole:** Focusmate
  - **Tomasz Poszytek:** Working Days



**Hacktoberfest is ongoing! Visit: <https://hacktoberfest.com/>**

**We need your help**

Become an Independent Publisher by building one of these connectors: [Top Connector Asks](#) · [microsoft/PowerPlatformConnectors Wiki \(github.com\)](#)

**OR**

By adding more functionality to one of the existing Independent Publisher connectors on the Power Platform

# SCRIPT SAMPLES

One centralized location for all scripts for helping your day-to-day life. Contribution's welcome!

Site now has **175 scenarios** and **261 scripts**, using Microsoft Graph, CLI for Microsoft 365, PnP PowerShell, SPO Management Shell tooling and more... 😊 AND samples integrated into **Microsoft Sample Solution Gallery**

Awesome 🎉 😊 🎉 🙌 Samples Include :

## New Scenario using PnP PowerShell

- Update content type of files in folder with system update by **Reshmee Auckloo**
- Change the Placeholder text in SharePoint Search Box by **Ganesh Sanap**
- Activate a site feature in SharePoint Online by **Ganesh Sanap**
- Disable SharePoint List Commenting at Tenant Level by **Ganesh Sanap**

## Updated scenario using CLI for Microsoft 365

- Export Term Store terms to CSV by **Reshmee Auckloo**

*Did you know you can search for title, author and cmdlet...and grab the URL to share with others?*

## Want to contribute:

- We have contribution guidance to get going using the "contributing" link on the site navigation or reach out to **Paul Bullock** on Twitter (@pkbullock), open to DMs, if you need help to get going.
- We are labeled for Hacktoberfest! 4 Pull Requests and no Spam (spaces etc) ones

**Thank you for your samples and contributions – your awesome!**



The screenshot shows a mobile device displaying the 'Script Samples' section of a website. The top navigation bar includes links for 'PnP SAMPLES', 'Scripts', 'By Tool', 'By Product', and 'Contributing'. Below the navigation is a search bar with the placeholder 'Search scripts'. The main content area displays several cards representing different scenarios:

- SharePoint Modern Page Publishing Report**: A card showing a screenshot of a SharePoint page with a table of publishing status for pages. It includes a 'Created By' field for Paul Bullock and a 'Modified By' field for Nanddeep Nachan, both dated July 06, 2022.
- #COMMUNITY ROCKS**: A card showing a screenshot of a PowerShell script titled 'Get-Flows-Connected-to-SP.ps1'. It describes the script as getting all flows connected to a SharePoint site.
- Add bulk users to SharePoint**: A card showing a screenshot of a PowerShell script titled 'Add-BulkUsersToSP.ps1'. It describes the script as adding multiple users to a SharePoint site.
- Add bulk users to SharePoint**: Another card showing a screenshot of a PowerShell script titled 'Add-BulkUsersToSP.ps1'. It describes the script as adding multiple users to a SharePoint site.
- Get Flows Connected to SharePoint**: A card showing a screenshot of a PowerShell script titled 'Get-Flows-Connected-to-SP.ps1'. It describes the script as getting all flows connected to a SharePoint site.
- Add multiple folders in SharePoint**: A card showing a screenshot of a PowerShell script titled 'Add-MultipleFoldersInSP.ps1'. It describes the script as creating multiple folders in a SharePoint site.

[aka.ms/script-samples](https://aka.ms/script-samples)



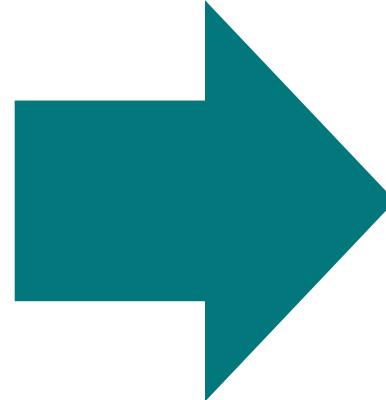
# Microsoft Teams Samples

Updated sample!

Bug fixes to Tab Meeting movie app!

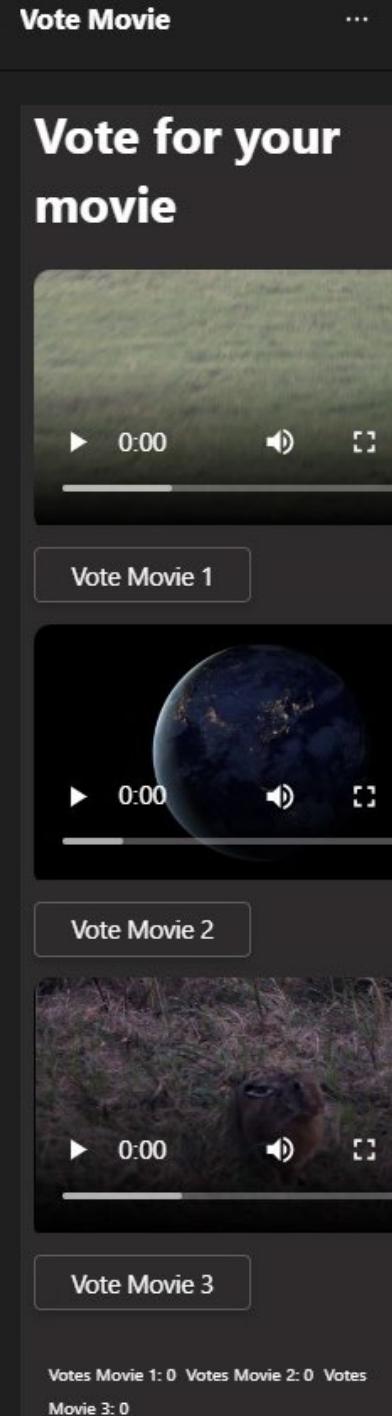
<http://aka.ms/tab-meeting-stageview-vote-movie-fluid>

Thanks Markus Möller (Avanade)!



Check out all the samples!  
<https://aka.ms/m365/samples>

Teams samples w/filtering  
<https://aka.ms/teams-samples>



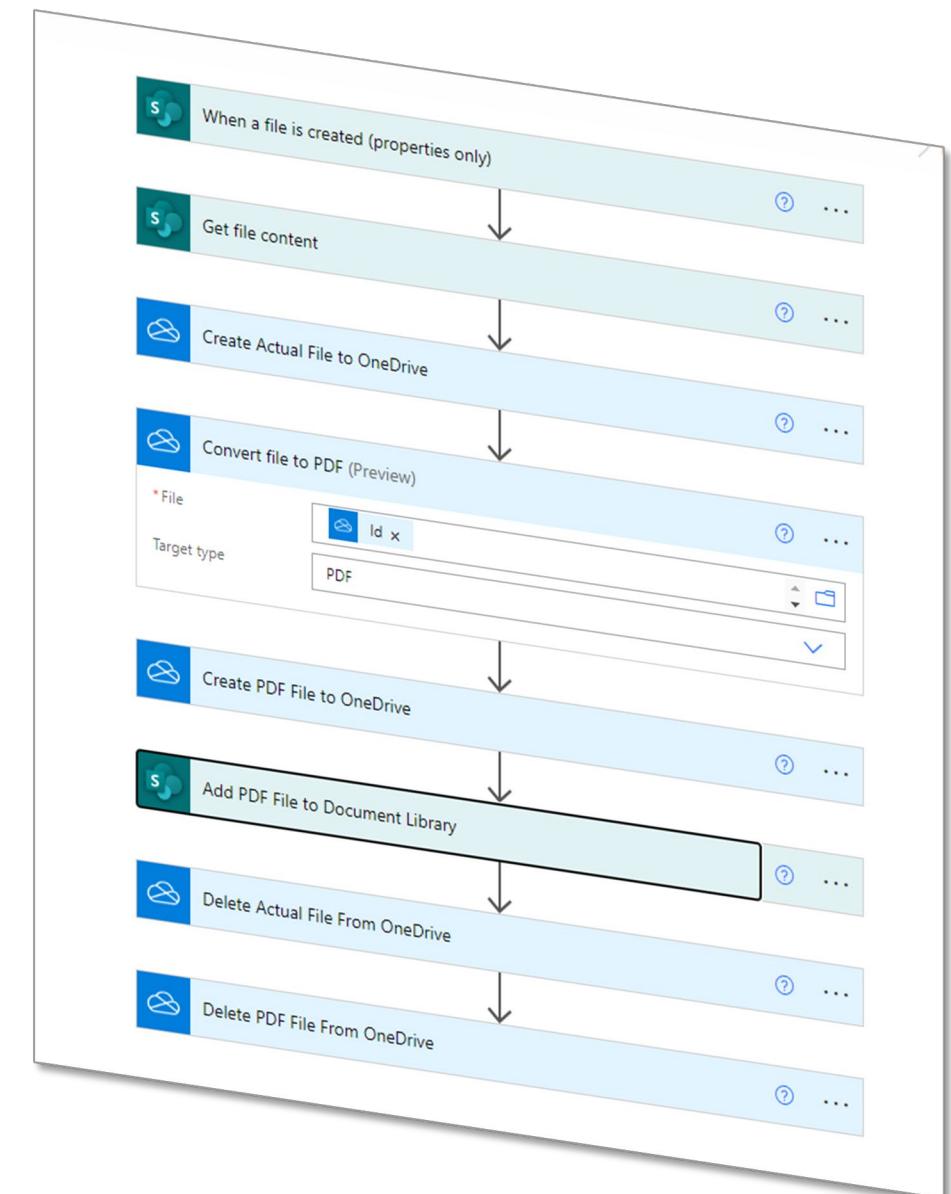


# Power Platform Samples

New:

- Convert a DOC file to PDF ➔

**Chandani Prajapati** | @Chandani\_SPD

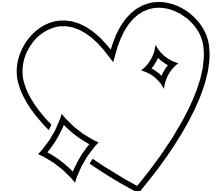


[aka.ms/powerplatform-samples](https://aka.ms/powerplatform-samples)

# 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'll give us the permission to share your picture in social media.*

A photograph of a man and a woman looking at a laptop screen. The man is on the left, wearing a grey sweater, and the woman is on the right, wearing a dark blue patterned top. They are both looking down at the laptop. A white coffee cup is on the desk in front of them.

# DEMO

- Fantasy Premier League Independent Power Platform Connector
  - Joe Unwin
- Create a better version of HTML Text component using PCF components in Power Apps
  - Fabio Franzini

# 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 M365 General Dev call: **October 27<sup>th</sup> at 07:00am PT**  
Next Viva Connections & SharePoint Framework call: **October 20<sup>th</sup> at 07:00am PT**  
See all other community calls from <https://aka.ms/m365/calls>



Thank you