

Microsoft 365 & Power Platform Development – Bi-weekly call

March 2nd, 2023

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

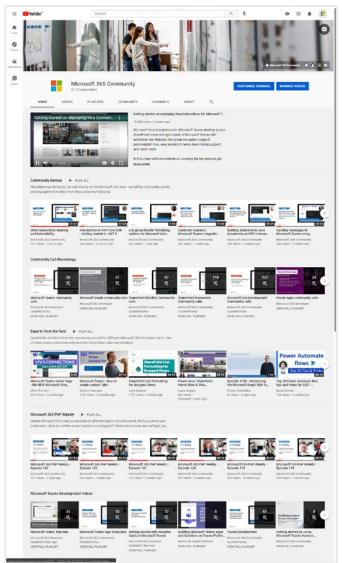
- Picture time with the **Together Mode!**

- **Anoop Tatti** - Using app only model with Microsoft Graph APIs for Planner

- **Adam Wójcik** – Improve your test strategy with Microsoft Graph Developer Proxy



Microsoft 365 & Power Platform community videos



aka.ms/community/videos

Subscribe today!

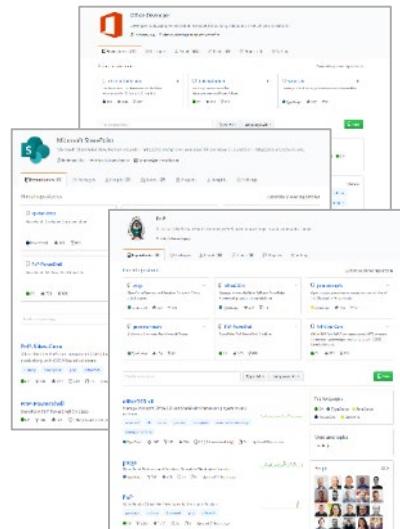
LinkedIn group for discussions



aka.ms/community/Li

Join today!

Open-source



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

Sample galleries

The Sample Solution Gallery displays various sample solutions for different Microsoft products. The products listed include:

- Microsoft Lists
- Microsoft Teams
- Azure AD
- Office
- Power Apps
- Power Automate
- Power Fx
- SharePoint
- Viva
- Microsoft Graph

Some of the samples shown are:

- One Productivity Hub (using Microsoft Lists)
- SPFx Form customizer (using Microsoft Lists)
- Working with provider-hosted add-ins (using Microsoft Lists)
- Lead Dashboard 1 (using Microsoft Lists)
- Review pending SharePoint item (using Microsoft Lists)
- Review SharePoint 2019 personal app (using Microsoft Lists)

aka.ms/community/samples

aka.ms/teams-samples

aka.ms/spfx-webparts

aka.ms/spfx-extensions

aka.ms/powerplatform-samples

aka.ms/list-formatting

Open-source initiatives and samples



aka.ms/community/home

Follow us in Twitter for updates at @m365pnp – or see the updates in LinkedIn

Microsoft 365 & Power platform community calls

Microsoft 365 & Power Platform
(Weekly with Microsoft Speakers)

<https://aka.ms/community/ms-speakers-call-invite>

Power Platform (monthly)

<https://aka.ms/PowerPlatformCommunityCall>

Microsoft identity platform (monthly)

<https://aka.ms/IDDevCommunityCalendar>

Office Add-ins (monthly)

<https://aka.ms/officeaddinscommunitycall>

Microsoft 365 and Power Platform community (bi-weekly)

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

Viva Connections & SharePoint Framework (bi-weekly)

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

Download recurrent invites from

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

Agendas for the calls published in social media and in

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



Request to Present

We welcome everyone to present a demo on the Microsoft 365 & Power Platform community calls

Everyone is welcome!!!

<https://aka.ms/community/request/demo>



Microsoft 365 & Power Platform (Microsoft Speakers)

7th of March @8 AM PT

- Latest news from Microsoft engineering on the [Microsoft 365 & Power Platform](#) topics
- Community together mode group photo
- **Ayça Baş** – Dynamically Create an Azure Communication Services Identity and Token
- **Garry Trinder** – Teams Toolkit Learn Path - Build a Microsoft Teams tab app using Teams Toolkit for Visual Studio Code
- **Waldek Mastykarz** – Microsoft Graph Hackathon – Recap on the first week

<https://aka.ms/community/ms-speakers-call-invite>



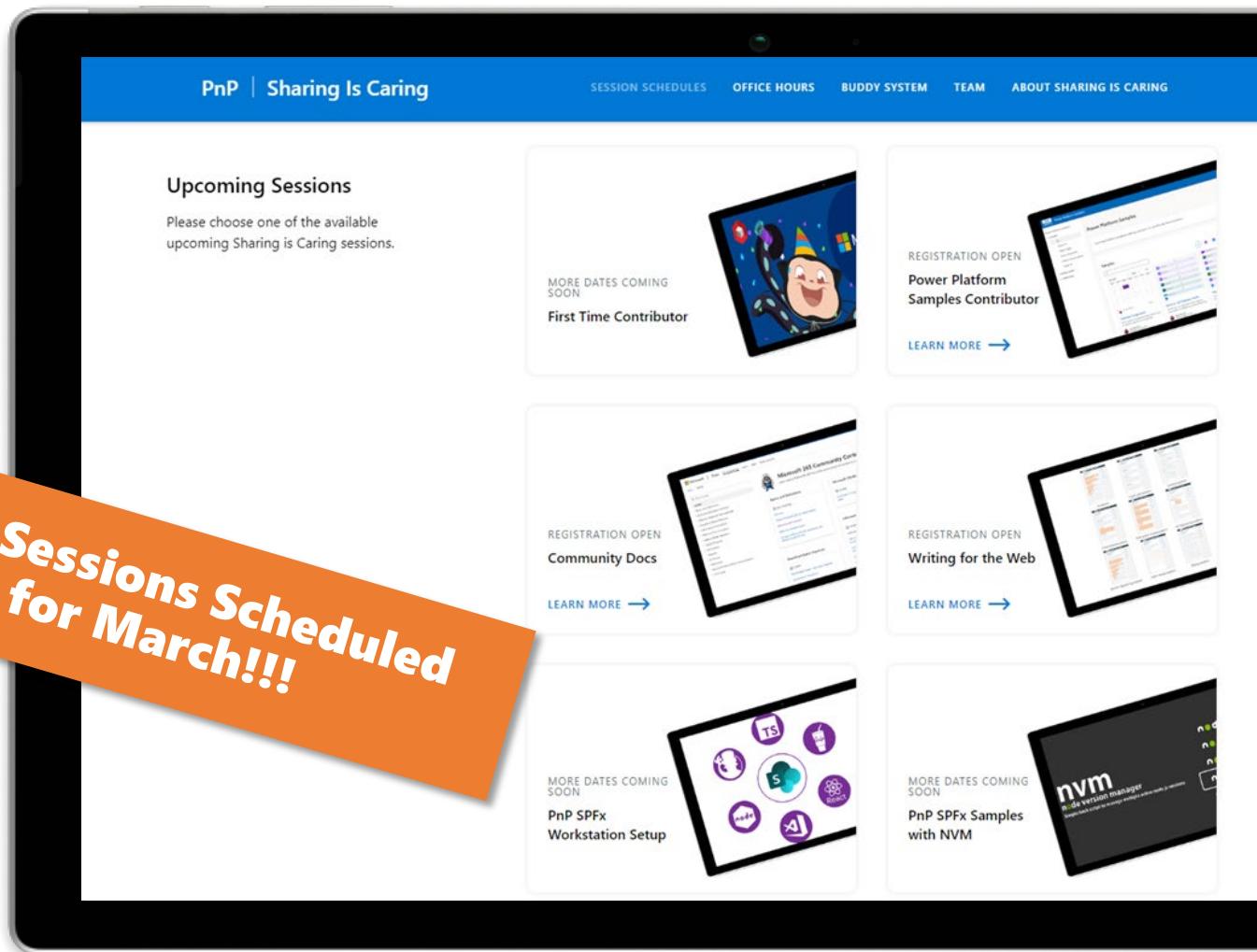
GUIDANCE

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

New Sessions Scheduled
for March!!!



<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 device is shown from a three-quarter perspective. On its screen is a graphic for the "Community Contributor" program. It features a dark blue hexagonal header with the text "MICROSOFT 365 & POWER PLATFORM COMMUNITY". Below it is a white ribbon banner with "Community Contributor" in bold black letters and "2023" in large blue numbers. The bottom portion of the graphic is a blue chevron shape.

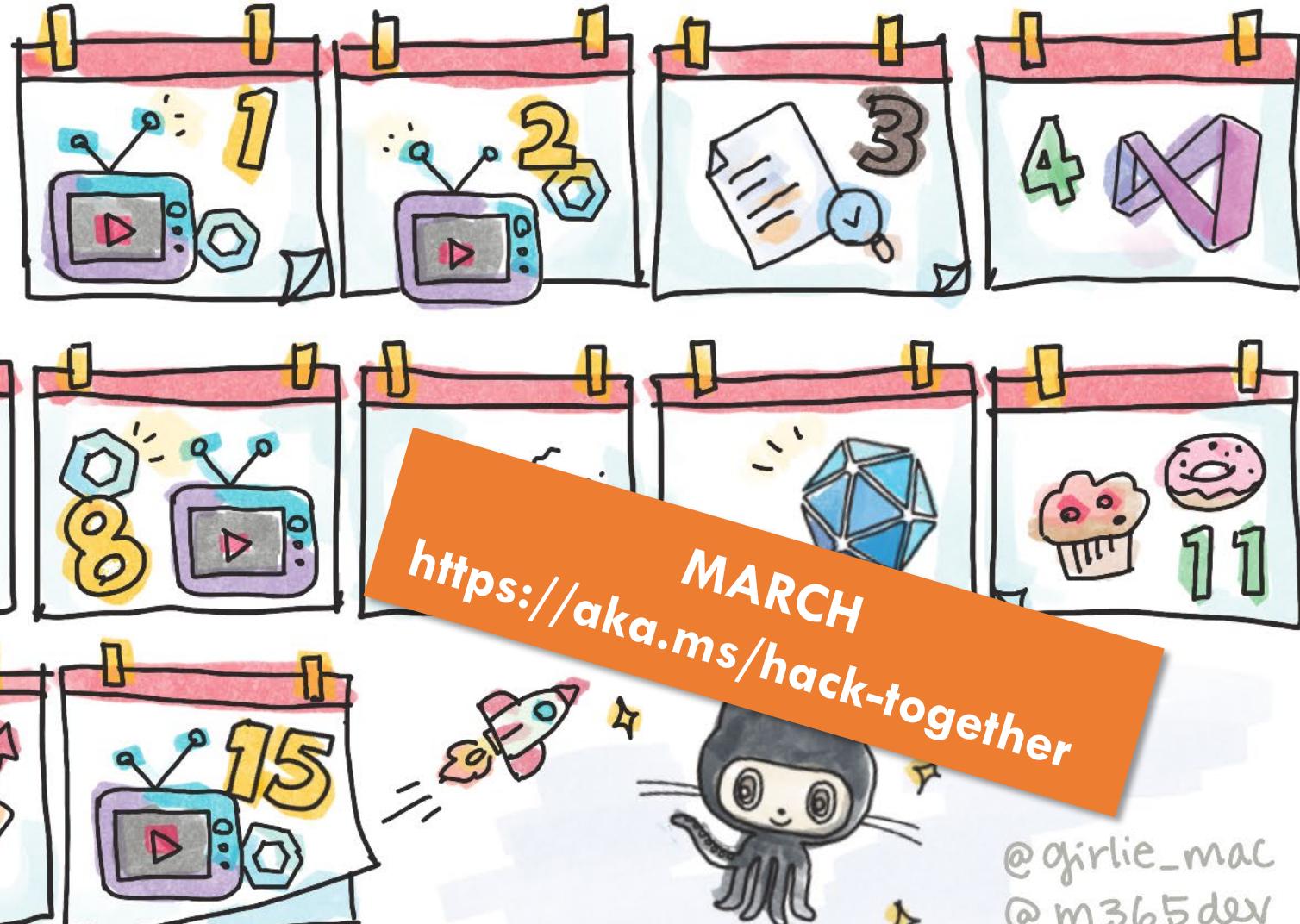
<https://aka.ms/community/recognition>

Hack Together

Microsoft Graph & .NET



Env Setup!
Pre-requisites!



<https://aka.ms/hack-together>
MARCH



@girlie_mac
@m365dev

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

PnP Framework

- >1.120M downloads!
- Released version 1.11.0
- Support for .NET 7, C# 10
- Documentation site ([PnP Framework documentation](#) | [PnP Framework](#)) started by Paul Bullock 🎉🔗🚀
- Added UndoCheckOutFile: Arnaud Rompen 🎉🔗🚀
- DefaultColumnValues fix: Giacomo Pozzoni 🎉🔗🚀

Roadmap

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

nuget.org/profiles/pnp

aka.ms/pnp/framework



PnP Core SDK

- >1.388M downloads!
- Released version 1.8.0
- Support for .NET 7, C# 10
- Support for listing, approving and denying api access requests after installing an app + enabling/disabling the app principal: Martin Loitzl 🎉🔗🚀
- Rename method on IFile, various smaller fixes 🎉🔗🚀

What key scenarios
are still missing?

[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 (generic host) for its core services. This implies that before you can actually use the PnP Core SDK you need to configure the needed services. Once that's done you can obtain a [PnPContext](#) from the [PnPContextFactory](#) and start using the library.

Where is the code?

The PnP Core SDK is maintained in the PnP GitHub repository: <https://github.com/pnp/pnppcore>. You'll find:

- 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 in the `docs` folder

Referencing the PnP Core SDK in your project

The recommended approach is to use the preview [PnPCore.nuget package](#) together with the preview [PnPCore.Auth.nuget package](#). The former is the actual PnP Core SDK library, while the latter is an helper library that provides a useful set of Authentication Providers to authenticate against Azure Active Directory. Each night these preview packages are refreshed, so you can always upgrade to the latest dev bits by upgrading your nuget package to the latest version.

NOTE

- If you want to use the PnP Core SDK authentication providers then simply add the [PnPCore.nuget package](#), the correct [PnPCore.nuget package](#) will be automatically added as it's a dependency of the [PnPCore.Auth.nuget package](#).
- If you want to debug the SDK code you can include the `source files` option in the `pnppcore.csproj` in your project as a reference.

~43 billion
requests a
month!





PnP PowerShell

Working on it

Cross Platform PnP PowerShell

V1.12.0 is out, the newer 2.x is available in nightly builds !!!

Many updates, improvements and fixes!

- **5 million downloads!**
- **140 million cmdlets executed per day!!**
- Docs shifted, no more docs.microsoft.com
- Documentation, Articles and tips available at :

<https://pnp.github.io/powershell>
- PnP PS runs in [PS 7.2.x, Azure CloudShell, Azure Functions, Azure Runbooks & Raspberry Pi](#)
- **Runs on Windows, Mac and Linux**

▪ New Stuff

- Bug fixes and improvements continue in nightly builds
- **Dropped PS 5 support**, the 1.x versions will keep working in PS5 , encourage folks to update to PS 7
- Improved **Add-PnPTeamsTab** cmdlet to better support adding Planner and SharePoint pages type tabs
- Added **DefaultSensitivityLabelForLibrary** parameter to **Set-PnPList** cmdlet
- Added **Undo-PnPFileCheckout** to discard changes to a checkedout file
- The **Add-PnPFile** cmdlet now defaults to **MinorCheckin**. You can change that by specifying **CheckinType** parameter
- **Would love to hear from you. Discussion/feedback/issues - head to Github ?**

>35K tenants and 37B requests in a month!



github.com/pnp/powershell



www.powerShellgallery.com
PnP.PowerShell

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

yo teams

<https://aka.ms/yoteams>

49K

Totals Downloads

What's new 🎉

- We have a new release →
 - **generator-teams@4.1.0**
 - **yoteams-build-core@1.8.1-preview**
 - **yoteams-deploy@1.4.0-preview**
- Added support for Teams manifest versions 1.14 and 1.15
- Fixed some minor things in the generator & docs
- **Give it a try → npm install generator-teams –global**

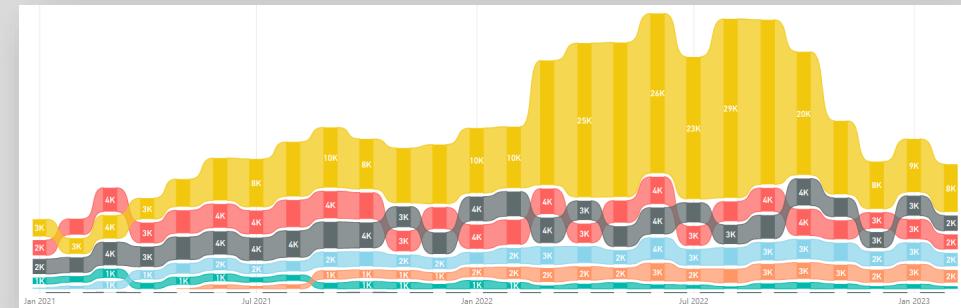
What's next? 💻

- Docs, Docs, Docs
- VS Code extension for yo teams (We would love your feedback) → **We're already working on that 😊**
- Support for SSO, MGT, meeting apps and many more
- Idea to produce videos for yo teams (tutorial-like)

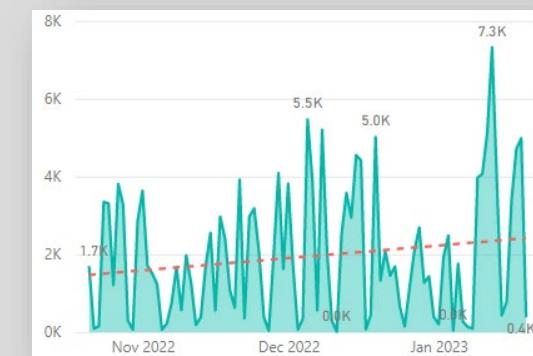
We need your help ❤️

- 🛠 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



```
# -----  
# > teamsfx pulse --year 2023 --week 7  
# -----
```



```
# -----  
# The latest highlights on Microsoft Teams developer tools  
# -----
```

# Product	::Recent highlights -vscode-extension	> v4.2.4 released > Node 18 supported > React 17 supported > Updated to use CloudAdapter > TeamsJS v2.7.1 > Minor bug fixes
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# Community	::Opportunities	> Research study > Share your feedback > Paid > https://aka.ms/AAjnc9a
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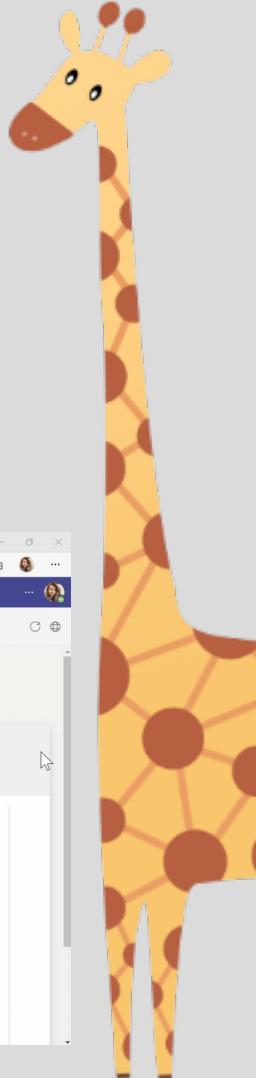
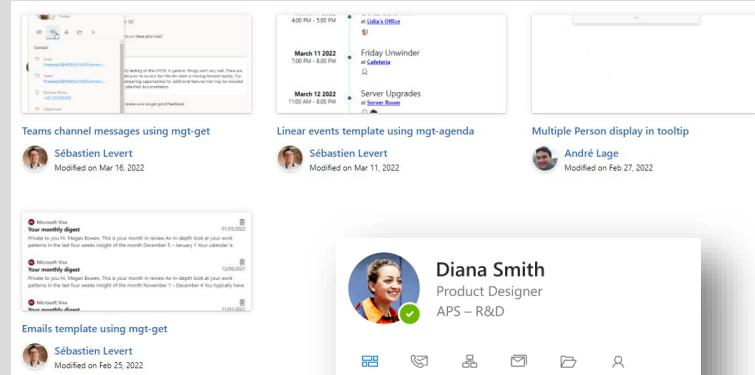


Microsoft Graph Toolkit

More information: aka.ms/mgt

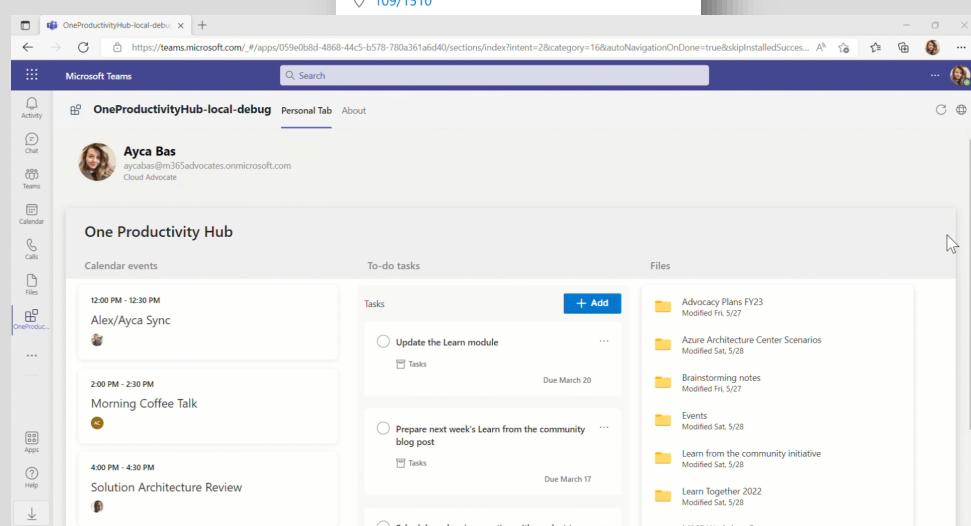
What's new 🎉

- Just shipped! V2.9.1 is our latest release! Update your packages! <https://aka.ms/mgt/2.9.1>
 - Updates to the mgt-loader, and mgt-people-picker
 - Thanks @masashiswingle for your contributions 🎉
- The MGT samples repository is live! Keep your contributions coming! <https://aka.ms/mgt/samples>



What's next? 🛠️

- Watch for our first official Preview for MGT v3.0! Happening in the next few days 🎉
- More generic components and theming capabilities
- Install our next packages!
 - `npm i @microsoft/mgt@next.fluentui`



We need your help ❤️

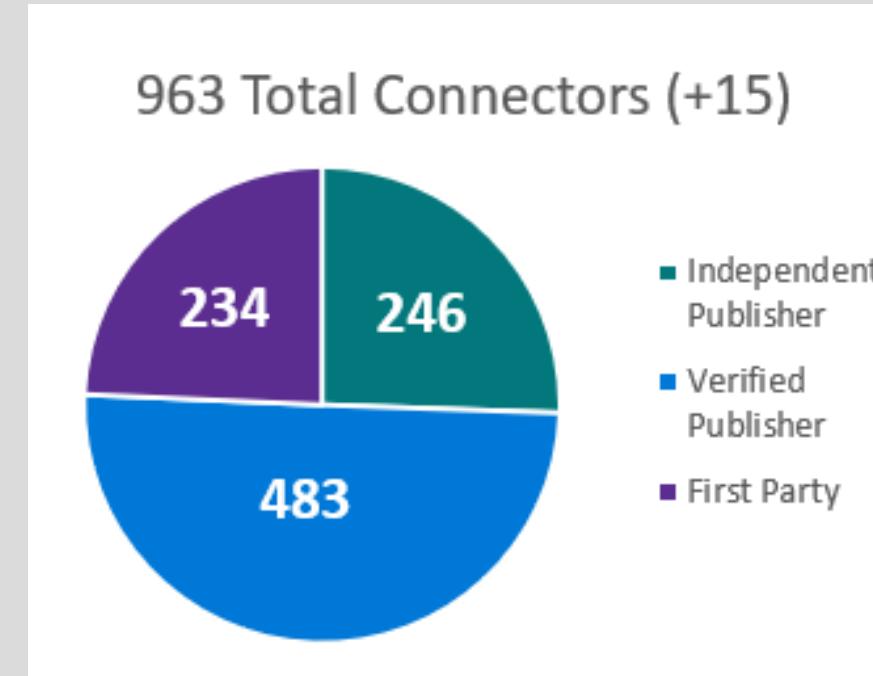
- Help us fix bugs
- Help us build/improve features
- help-wanted & good-first-issue -> <https://aka.ms/mgt/issues>



Independent Publisher Connectors

What's new?

- **78 Amazing Independent Publishers!**
- **246 Independent Publisher connectors! (+7)**
 - **Troy Taylor:** 1pt, Jservice, Affirmations, APITemplate
 - **Fördős András:** Airlabs
 - **Amjad Ayoub:** TAGGUN Receipt OCR Scanning
 - **Mint Management Technologies:** PaySpace



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

Site now has **171 scenarios and 225 scripts**, using Microsoft Graph, PnP PowerShell, SPO Management Shell tooling, CLI for Microsoft 365 and more... 😊 AND samples integrated into *Microsoft Sample Solution Gallery*

New set of awesome 🎉 😊 🎉 scenarios and samples:

New Scenarios – Microsoft Graph SDK (PowerShell)

- Add users to follow SharePoint Sites by **André Lage**
- Multilingual SharePoint Page Summarization with Open AI API and Microsoft Graph PowerShell SDK by **Anoop Tatti**

New Scenarios using PnP PowerShell

- Remove Title Area from SharePoint Page by **Ganesh Sanap**
- Use Invoke-PnPSiteTemplate with parameters by **Kasper Larsen**
- Export access shared links from SharePoint Library by **André Lage**
- Associate Multiple Site Collections to Hub Site by **Siddharth Vaghisia**



```
1 .\New-Sample.ps1 -ScriptFolderName "a-test-folder" -ScriptTitle "Test Script" `  
2 -ScriptShortDescription "This is a test script for checking the script" `  
3 -ScriptTool PnP PowerShell, CLI for Microsoft 365, SPO Management Shell `  
4 -AuthorFullName "Paul Bullock" -GitHubId "pkbullock"
```

Please reach out to **Paul Bullock** on GitHub Issues/Twitter (@pkbullock), open to DMs, if you need help to get going.



Thank you for your samples and contributions – your awesome!

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

The screenshot shows a web interface for 'Script Samples'. At the top, there are navigation tabs: 'PnP SAMPLES' (which is active), 'Scripts', 'By Tool', 'By Product', and 'Contributing'. Below the tabs, a section titled 'Script Samples' is displayed with a search bar labeled 'Search scripts'. There are four main cards shown:

- Add users to follow SharePoint Sites** by André Lage (Modified Mar 01 2023): A screenshot shows a SharePoint page with a 'Follow Site' button.
- Multilingual SharePoint Page Summarization with Open AI API and Microsoft Graph PowerShell SDK** by Anoop Tatti (Modified Feb 28 2023): A screenshot shows a PowerShell session with a summary of a SharePoint page.
- Use Invoke-PnPSiteTemplate with parameters**: A screenshot shows a SharePoint ribbon with 'Add column' and 'Stop sharing' options.
- Export access shared links from SharePoint Library**: A screenshot shows a SharePoint library with a CSV file containing export links.

Remember to
opt-in to the
recognition
program for a
BADGE



aka.ms/script-samples

Microsoft Teams Samples

Please contribute your Teams samples at <https://aka.ms/teams-samples>

New sample this week!

<https://aka.ms/who-is-next>

<https://aka.ms/who-is-next-article>

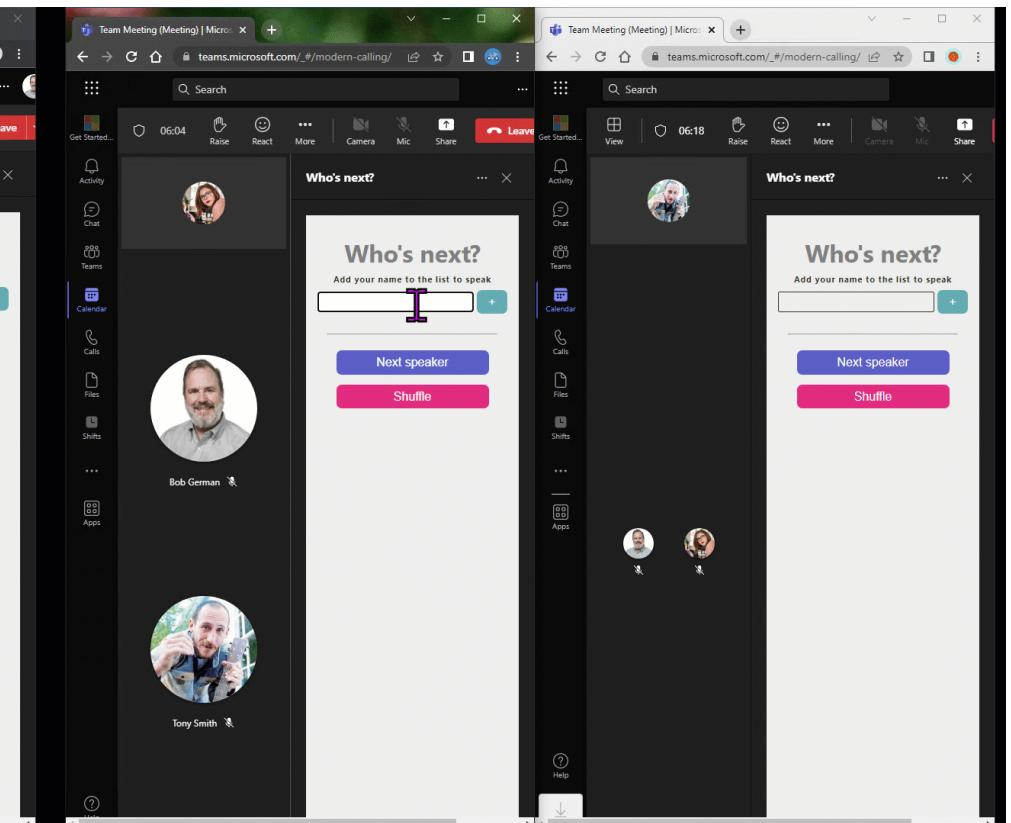
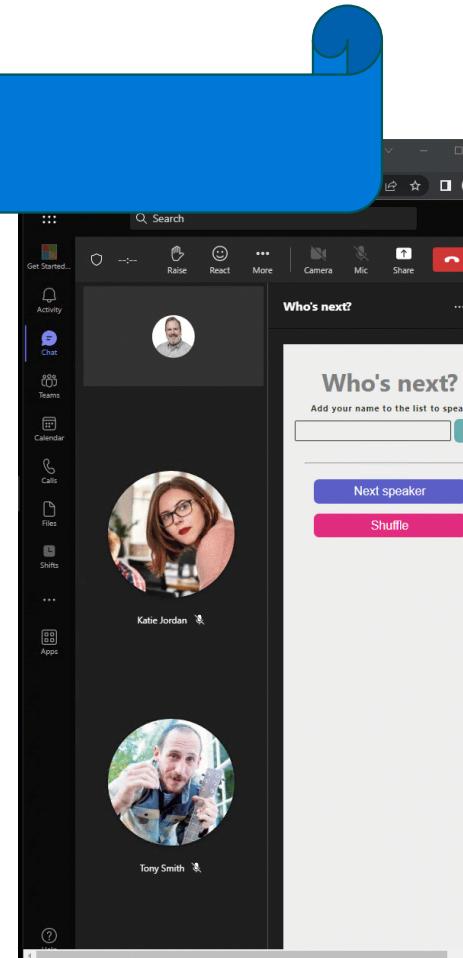
<https://aka.ms/who-is-next-video>

JS

Who's Next Meeting App

Rabia Williams and Bob German

- Meeting app built with Teams Toolkit
- Uses Live Share SDK and Fluid Framework to synchronize
- Low friction – zero permissions required



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

----- ATTENTION ----- ISV'S BUILDING MONETIZED TEAMS APPS

The ecosystem team wants to support you!
<https://aka.ms/TeamsApp/Support>

Please share your Teams app sample!
#SharingIsCaring



Power Platform Samples

New:

- Quality Assurance Assessments
Nati Turtledove | NatiTurts
- Company Pulse
Angelo Gulisano | angelogulisano



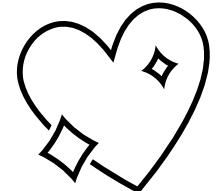
The top screenshot displays the 'Quality Assurance Assessments' application interface. It shows a list of items with details such as name, version, deployment date, creator, developer, environment, and a 'New Review' button. The bottom screenshot shows the 'Company Pulse' application interface, featuring a news feed with posts about Power Automate, Creator Kit, and Power Platform environments, each with a 'Visit Post' link.

Join the Power Platform Contributors
Sharing is Caring Session
March 15th

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 of two people, a man and a woman, looking at a laptop screen together. 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, which is open on a wooden desk. A white coffee cup is visible on the desk next to the laptop.

DEMO

- Using app only model with Microsoft Graph APIs for Planner
 - Anoop Tatti
- Improve your test strategy with Microsoft Graph Developer Proxy
 - Adam Wójcik

Community Calls Conversations

Let's continue the conversation!

Dedicated conversation space has been created to help continue the conversation from multiple Community Calls throughout the month. We will be including speakers and demonstrations that take place in the calls.

The tablet screen shows a community engagement page for 'Power Apps Community'. The title 'Community Calls Conversations' is displayed prominently. Below it, there is a section titled 'Join the discussion' with a purple 'Start a topic' button and a 'Options' dropdown. The main area lists several posts in a table format:

Subject	Replies	Views
Welcome to the Community Calls Conversations- PLEA... by ADMIN DavidWarner 48m ago	0	35
Jan 19 M365 & Power Platform Dev Community Call ... by ADMIN DavidWarner Friday	0	57
Jan 19 Demo: Create a conversational bot in Team... by ADMIN DavidWarner Friday	0	60
Jan 19 Demo: Building a Extend Azure AD to add p... by ADMIN DavidWarner Friday	0	34
Jan 18 Power Platform Community Call Main Meet... by ADMIN DavidWarner Friday	0	36
Jan 18 Demo: Effortlessly showing grids of data		



Community Calls Conversations

Anoop Tatti

[@anooptells](#) 



Using app only model with Microsoft
Graph APIs for Planner



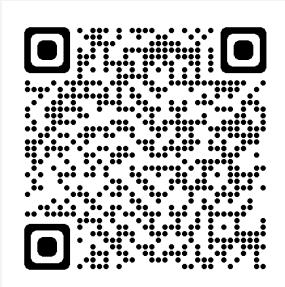
[aka.ms/Mar2-Demo1](#)

Adam Wójcik

[@Adam25858782](#) 



Improve your test strategy with
Microsoft Graph Developer Proxy



[aka.ms/Mar2-Demo2](#)

Thank you

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

Follow us in Twitter for updates @m365pnp
or see the updates in LinkedIn <https://aka.ms/community/li>

Next M365 & Power Platform bi-weekly call: **March 16th at 07:00am PT**
Next Viva Connections & SharePoint Framework call: **March 9th at 07:00am PT**
See all other community calls from <https://aka.ms/community/calls>



Thank you