

Your host in this call:
David Warner (Microsoft)

Microsoft 365 & Power Platform Development – Bi-weekly call

February 16th, 2023

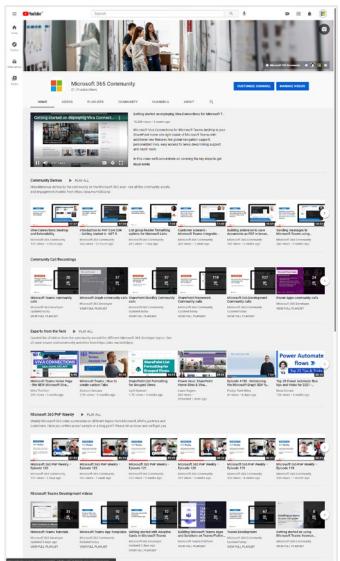


Agenda

- 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!**
- **Ramin Ahmadi** - Build Microsoft Teams tabs with Adaptive Cards
- **Federico Sapia** – Creating an Internal CV (Curriculum Vitae) with List Formatting



Microsoft 365 & Power Platform community videos



aka.ms/community/videos

Subscribe today!

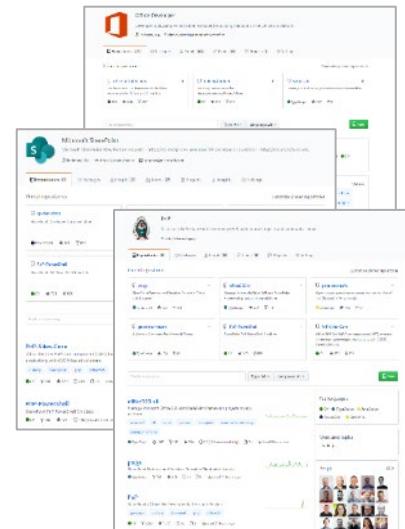
LinkedIn group for discussions



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 provides pre-built solutions for various Microsoft products. It includes galleries for:

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

Some examples shown in the gallery include:

- One Productivity Hub (using Microsoft Lists)
- SPFx Form customizer (using Microsoft Lists)
- Working with multiple providers (using Microsoft Lists)
- Lead Dashboard 1 (using Microsoft Lists)
- Review pending SharePoint item (using Microsoft Lists)
- Review SharePoint item (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



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 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>



Microsoft 365 & Power Platform (Microsoft Speakers)

21st of February @8 AM PT

- Latest news from Microsoft engineering on the [Microsoft 365 & Power Platform](#) topics
- Community together mode group photo
- **Dan Wahlin** – Integrate Azure Communication Services Calling into a React App
- **Garry Trinder** – Teams Toolkit Learn Path - Build a bot using Teams Toolkit for Visual Studio Code

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



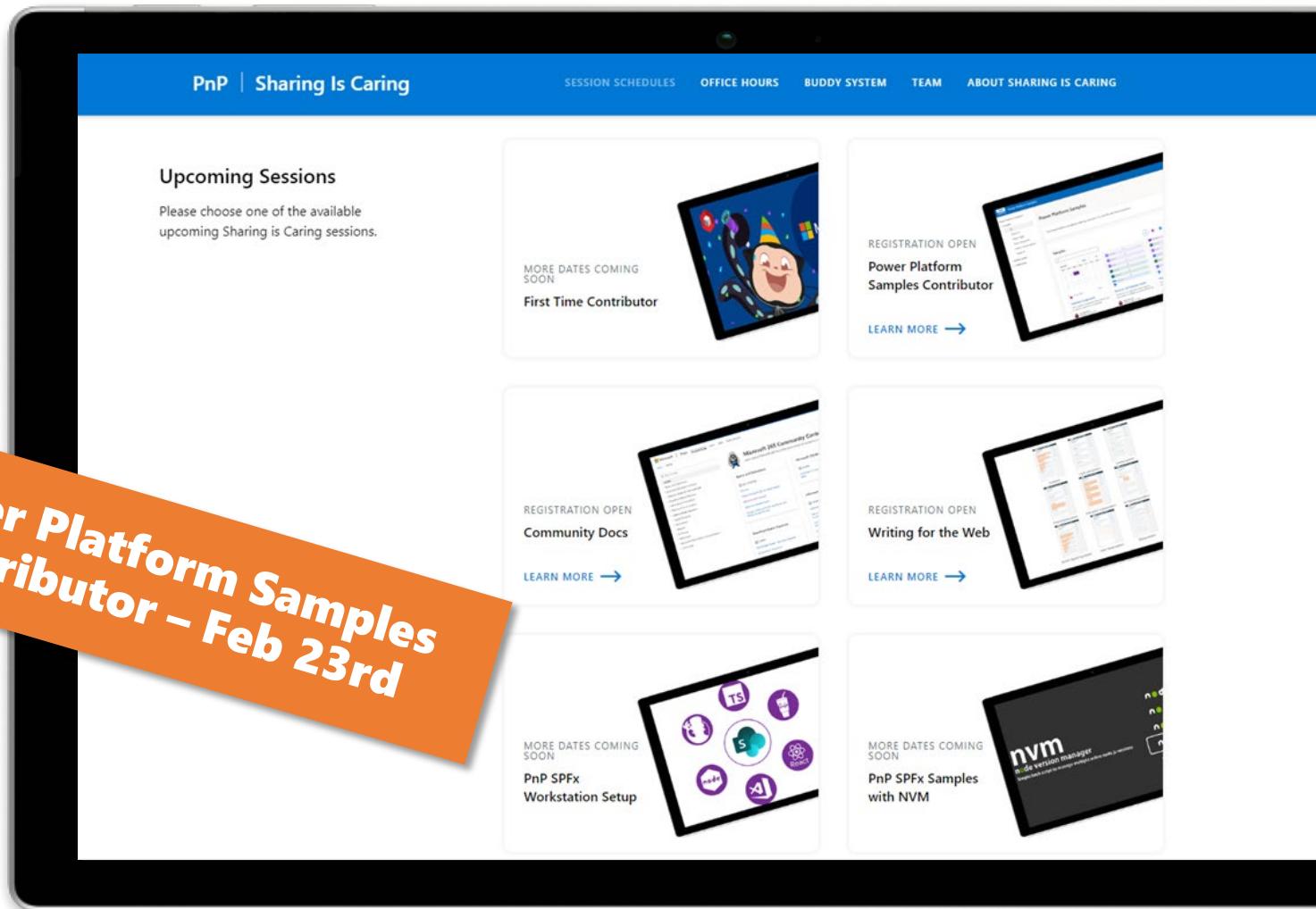
GUIDANCE

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

Upcoming Sessions:

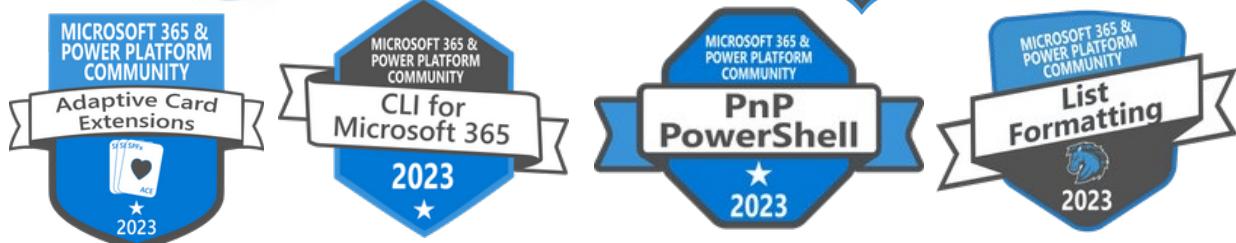
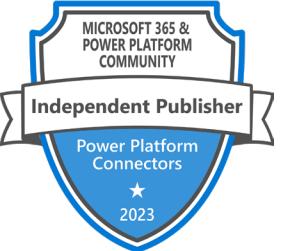
- First-time contributor
- Power Platform Samples Contributor
- Writing for the Web
- Community Content Docs
- SPFx Developer Workstation Setup
- Using PnP SPFx samples w/ NVM
- More than code with VS Code
- First-time presenter
- M365 Maturity Model Practitioners

**Power Platform Samples
Contributor – Feb 23rd**



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

COMMUNITY



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

Hack Together

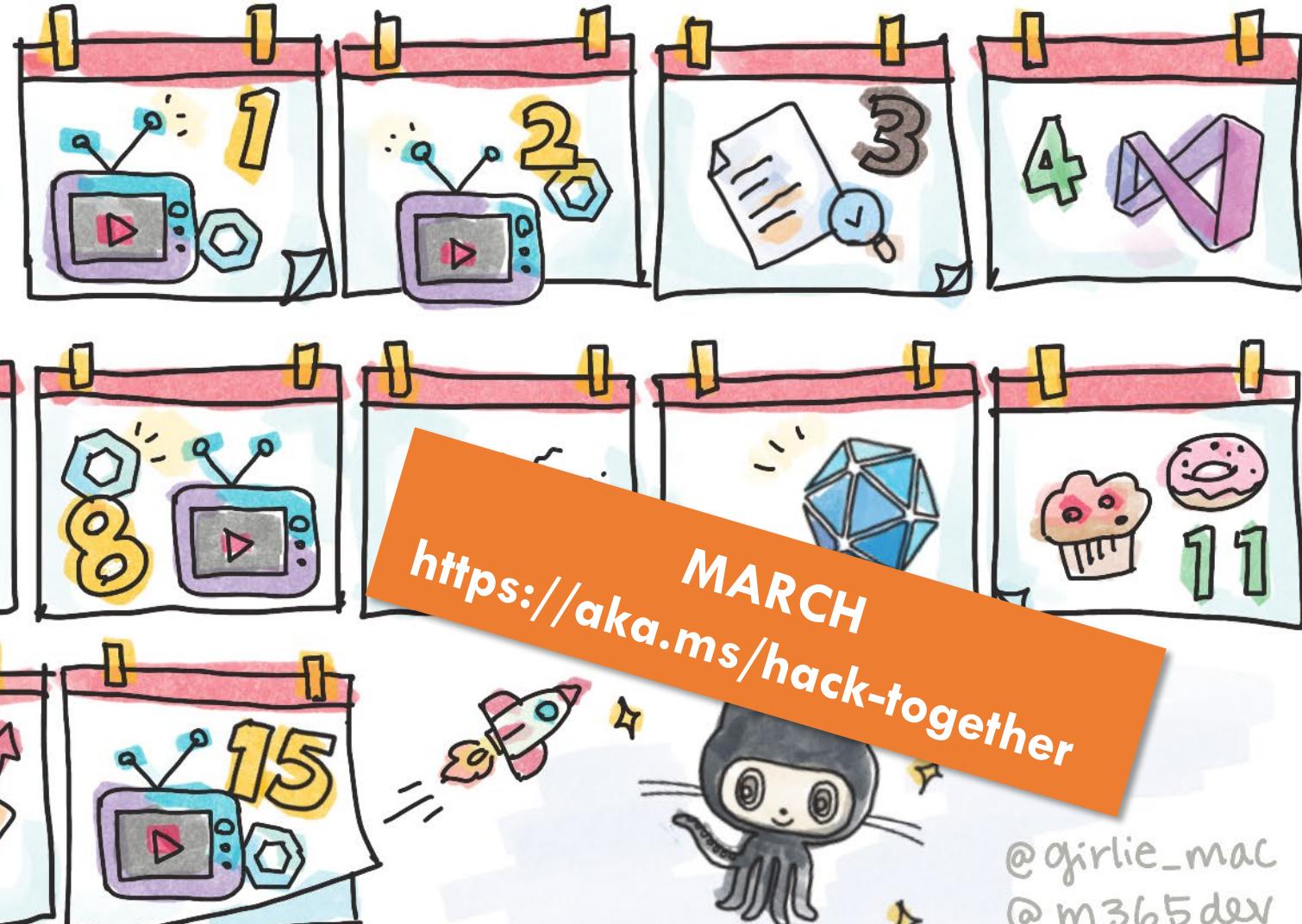
Microsoft Graph & .NET



Env Setup!



Pre-requisites:



@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

Roadmap

PnP Framework

- >1.080M downloads!
- Released version 1.11.0
- Support for .NET 7, C# 10
- Documentation site ([PnP Framework documentation](#) | [PnP Framework](#)) started by Paul Bullock 🎉🚀
- Smaller fixes: Miguel Angel García Martínez and Jerome Bolliet 🎉🚀
- No hardcoded graph.microsoft.com and *.microsoftonline.com references, dropped .NET 5 support 🎉🚀

PnP Core SDK

- >1.344M downloads!
- Released version 1.8.0
- Support for .NET 7, C# 10
- Grant/revoke permissions for existing sharing links : Mathijs Verbeeck 🎉🚀
- Documentation updates: Dmitriy Van der Elst, Amartya Yadav 🎉🚀
- Improved extension model enabling testability using mocking: Patrick Lamber 🎉🚀
- Support for news digest pages, dropped .NET 5 support, various smaller fixes 🎉🚀

What key scenarios
are still missing?

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

nuget.org/profiles/pnp

aka.ms/pnp/framework



nuget.org/profiles/pnp



aka.ms/pnp/coresdk

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 (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.nuget package`.
- If you want to debug the SDK code you can include the `PnPCore` folder (located in `src\ sdk\PnPCore.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
- ⑩ Added support for sending large lists to Recycle bin in **Remove-PnPList**
- ⑩ Added ability to set **VivaConnectionsDefaultStart** in **Set-PnPHomeSite**, similar improvement done in **Get-PnPHomeSite** to retrieve its status
- ⑩ Improved **Invoke-PnPSPRestMethod** and **Invoke-PnPGraphMethod** to handle complex JSON payload
- **Would love to hear from you. Discussion/feedback/issues - head to Github ?**

>35.000 tenants and 37 billion (not a typo) 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 preview release →
 - **generator-teams@4.1.1-preview.2**
 - **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@preview -global`

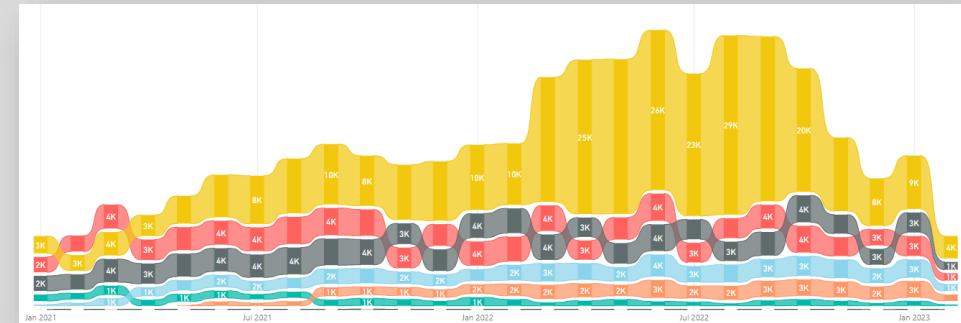
What's next? 💻

- Release stable version 4.1.1 of yo teams
- 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)

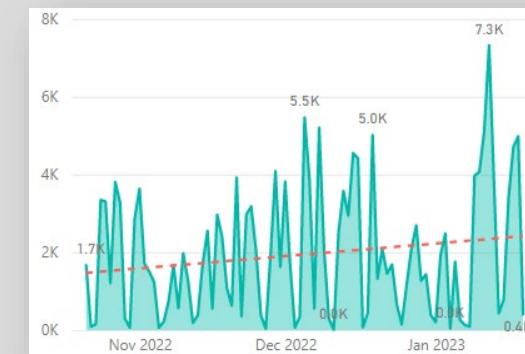
We need your help ❤️

- 🛠 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 | > v4.2.2 released > Node 18 supported > React 17 supported > Updated to use CloudAdapter > TeamsJS v2.7.1 > Minor bug fixes |
|-----------|--|--|

| | | |
|-------------|-----------------|--|
| # Community | ::Opportunities | > Research study > Share your feedback > Paid > https://aka.ms/AAjnc9a |
|-------------|-----------------|--|



Microsoft Graph Toolkit

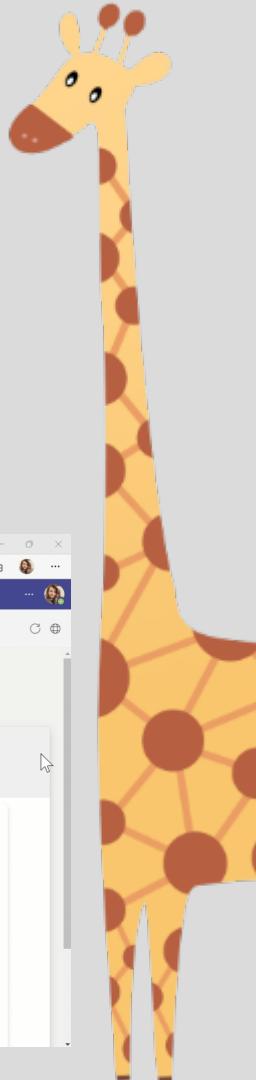
More information: aka.ms/mgt

What's new 🐝

- Just shipped! V2.9.0 is our latest release! Update your packages! <https://aka.ms/mgt/2.9.0>
 - Updates to the mgt-person-card and mgt-people-picker
 - Thanks @nmtoblum and @sympmarc for your contributions 🐝
- The MGT samples repository is live! Keep your contributions coming!
<https://aka.ms/mgt/samples>

The collage includes:

- Teams channel messages using mgt-get
- Linear events template using mgt-agenda
- Multiple Person display in tooltip
- Emails template using mgt-get
- Contact card for Diana Smith
- OneProductivityHub-local-debug interface showing Activity, Chat, Calendar, Calls, Files, and Apps sections, along with a Personal Tab and a To-do tasks section.



What's 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

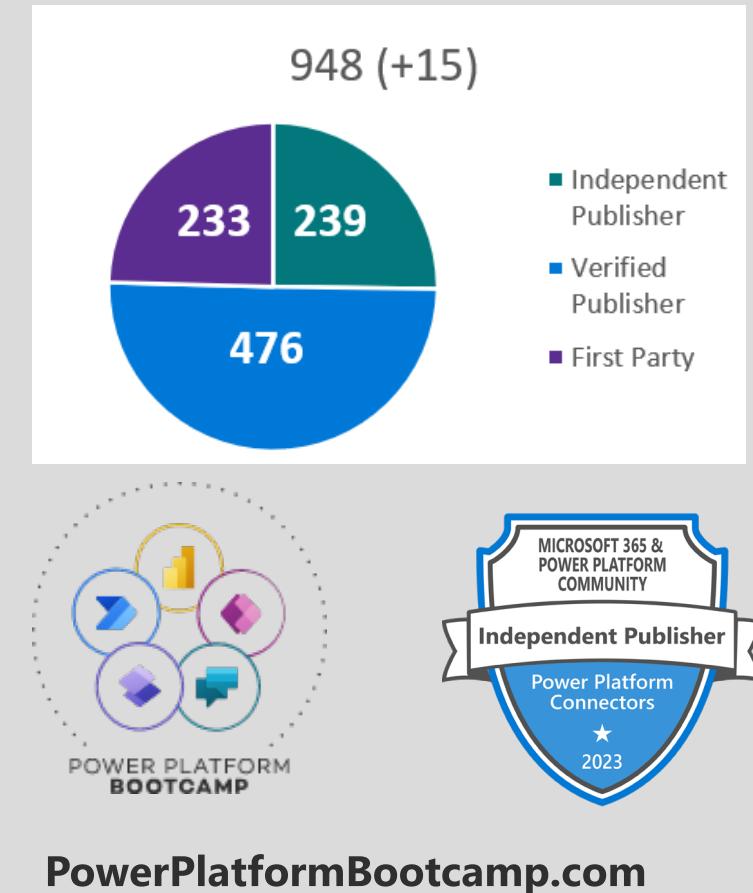
What's new?

- **77 Amazing Independent Publishers!**
- **239 Independent Publisher connectors! (+10)**
 - **Troy Taylor: NREL, Hugging Face, Lexica, DiceBear**
 - **Lucas Titus: IBM Watson Text to Speech and Assistant**
 - **Zakariya Fakir: WhatsApp**
 - **Osazee Odigie: Krozu PM**
 - **Clement Oliver: MeaningCloud**
 - **NovaGL: Coupa**

The screenshot shows the Microsoft Power Platform studio interface. At the top, there's a logo for 'OpenAI' with the text 'now supports DALLE2'. Below this, a code snippet in Power Automate is shown:

```
Set(varImage,
First(
'OpenAI(IndependentPublisher)'.CreateImage(TextInput1.Text).data
)
)
```

Below the code, there are buttons for 'Format text', 'Remove formatting', and 'Find and replace'. A text input field contains the query: "Two elephants and a giraffe are having a party, watercolor". At the bottom, there's a generated image of three cartoon-style animals (two elephants and a giraffe) at a party, with balloons and confetti.



PowerPlatformBootcamp.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

Site now has **165 scenarios and 218 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 using PnP PowerShell

- Bulk import data from multiple files to multiple lists by **Reshmee Auckloo**
- Pinpoint the items/docs that hasn't been indexed yet after an update by **Kasper Larsen**

New Scenarios using General PowerShell

- Bulk Email Send from CSV using Microsoft Graph API by **Siddharth Vaghasia**

Visual Updates to site to make the filters clearer and links to Microsoft Sample Solution Gallery

UPDATED the contribution guidance to support contributors, but still having issues please reach out to **Paul Bullock** on GitHub Issues/Twitter (@pkbullock), open to DMs, if you need help to get going.

We have [sample idea](#) in the GitHub Repo with sample ideas of scripts that you could contribute to, please comment to assign 😊 <https://github.com/pnp/script-samples>

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 titled "Script Samples". At the top, there are navigation links: "PnP SAMPLES", "Scripts", "By Tool", "By Product", and "Contributing". Below the header, a search bar is labeled "Search scripts". The main content area displays several cards, each representing a different scenario or sample. One card features a brown circular graphic and is titled "Pinpoint the items/docs that hasn't been indexed yet". Another card shows a screenshot of a PowerShell window with the text "#COMMUNITY ROCKS" and is titled "Compare files hash from two different SharePoint tenants". Other cards include "Bulk Email Send from CSV using Microsoft Graph API" and "Sample showing how to ensure that the Role/Title in each People web part is updated". Each card includes a small profile picture of the contributor and a timestamp indicating when it was modified.

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



aka.ms/script-samples



Microsoft Teams Samples

New sample this week!

<https://aka.ms/tab-office-offer-creation> 

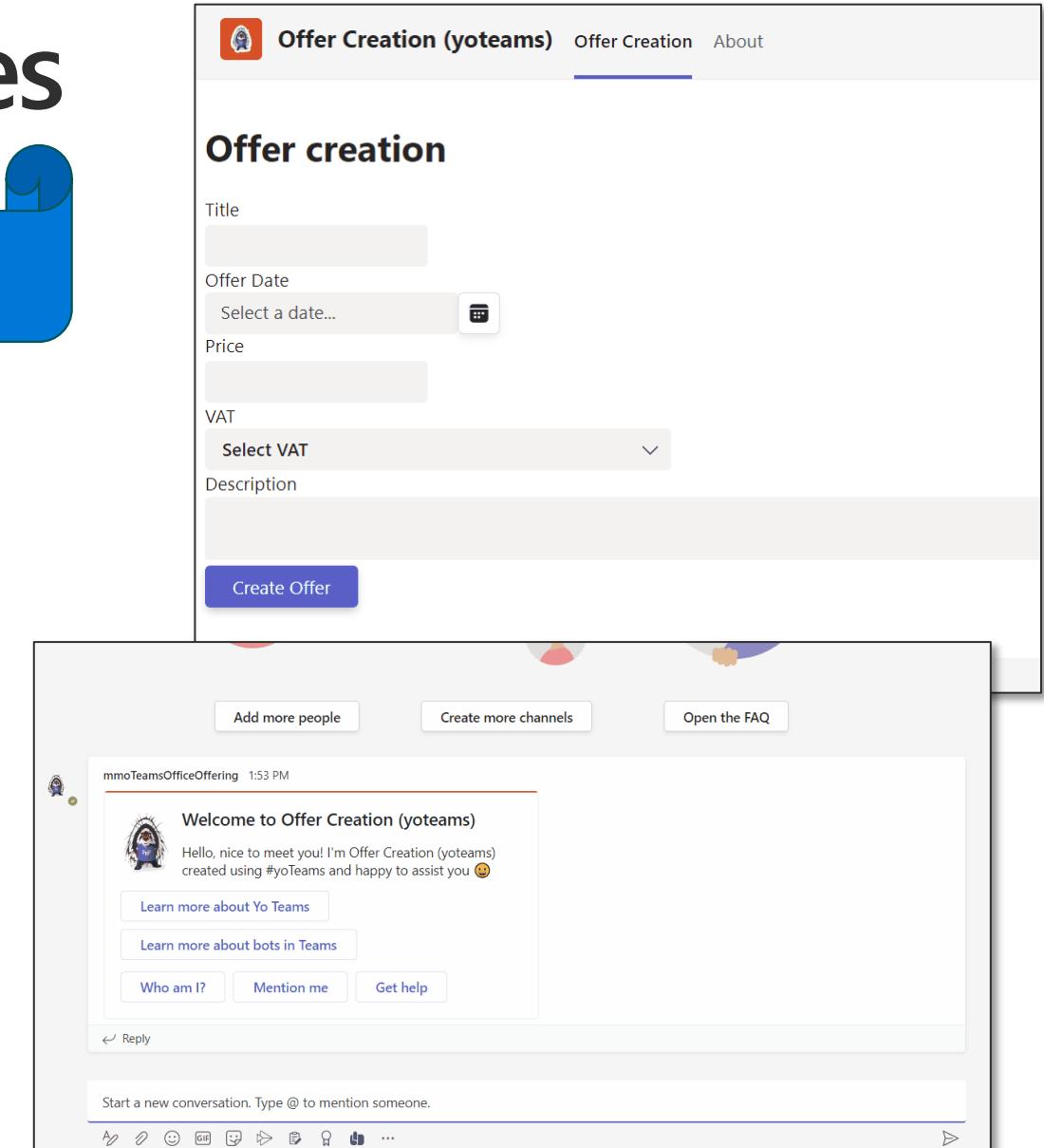
Offer Document Creation App

- Generates offer documents from Teams, Outlook, and Office.com
- Tab for offer creation; message extension for offer review
- Shows how to use Teams SSO to call the SharePoint REST API
- Shows document generation by injecting metadata into a template doc



Thanks to Markus Moeller
@moeller2_0 !

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



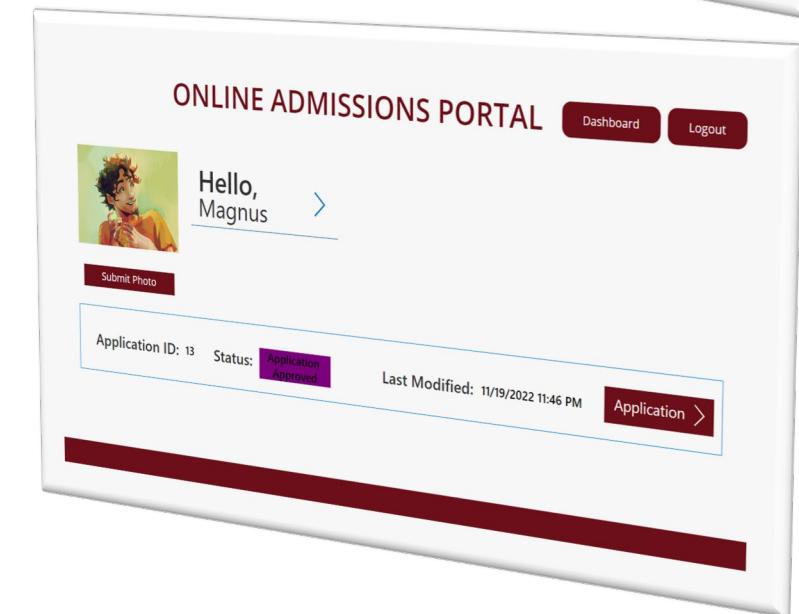
Please share your Teams app sample!
#SharingIsCaring



Power Platform Samples

New:

- App Login
Seth Addo | seths10
- Search Movies
Aaryan Arora | aaryan2134
- Student Application Process
Samia Sohail Azim | sam-404



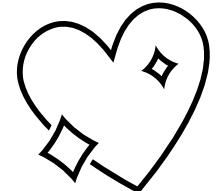
Join the Power Platform Contributors
Sharing is Caring Session
February 23rd

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!



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 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 next to the laptop.

DEMO

- **Build Microsoft Teams tabs with Adaptive Cards**
– Ramin Ahmadi
- **Creating an Internal CV (Curriculum Vitae) with List Formatting**
– Federico Sapia

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 with the following details:

Power Apps Community > Community Engagement

Community Calls Conversations

Join the discussion

Start a topic **Options**

| 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 | | |



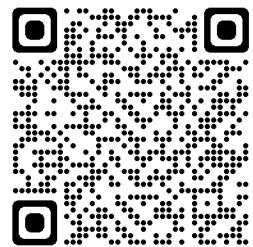
Community Calls Conversations

Ramin Ahmadi

@raminahmadi1986 



Build Microsoft Teams tabs with
Adaptive Cards



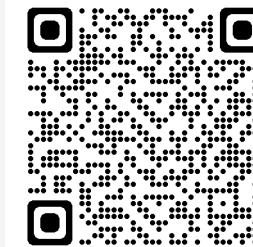
aka.ms/Feb16-Demo1

Federico Sapia

@X365Fede 



Creating an Internal CV (Curriculum
Vitae) with List Formatting



aka.ms/Feb16-Demo2

Thank you

Recording will be available in 24 hours on
Microsoft 365 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 2nd at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **February 23rd at 07:00am PT**

See all other community calls from <https://aka.ms/community/calls>



Thank you