

Microsoft 365 & Power Platform Development – Bi-weekly call

March 30th, 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!**

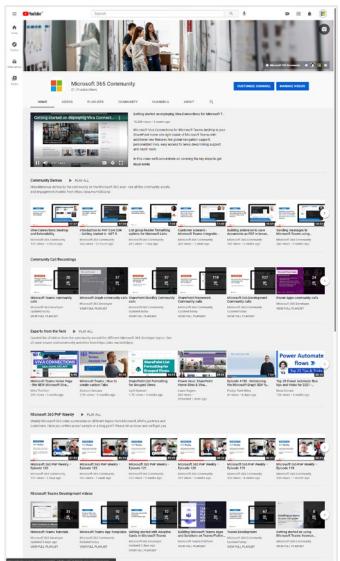
- **Lee Ford** - Have fun with DALL-E generated art in your Teams conversations

- **André Lage** – List Formatting - Convert data into graphical information

- **Matt Collins-Jones** – Companies House Independent Publisher Connector - How API integration adds value



Microsoft 365 & Power Platform community videos



aka.ms/community/videos

Subscribe today!

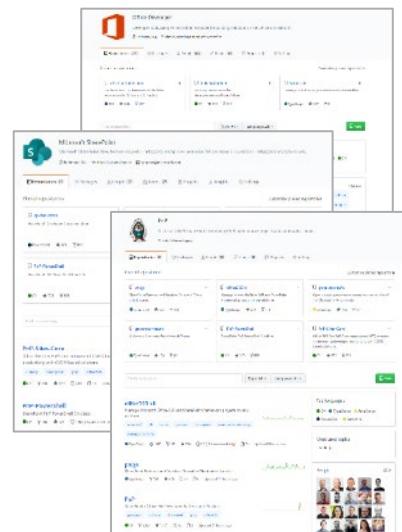
LinkedIn group for discussions



aka.ms/community/Li

Join today!

Open-source



github.com/pnp
[github.com/officedev](https://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:

- Products:** Microsoft Lists, Microsoft Teams, Azure AD, Office, Power Apps, Power Automate, Power Fx, SharePoint, Viva, Microsoft Graph.
- Solutions submitted by Waldik Martynkaz:**
 - One Productivity Hub
 - SPFx Form customizer
 - Workflows for Power Automate
 - Lead Dashboard 1
 - Review pipeline
 - Review SharePoint 2019
- Lead Dashboard:** A sample solution for creating a Microsoft Teams personal app.

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)

4th of April @8 AM PT

- Latest news from Microsoft engineering on the [Microsoft 365 & Power Platform](#) topics
- Community together mode group photo
- **Bob German** – Build a Teams Meeting app with Live Share SDK - Who's Next sample
- **Rajdeep Chanda** – Latest on the Microsoft Graph Connectors
- **To be announced** – Microsoft Graph Hackathon - Winner demo #1

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



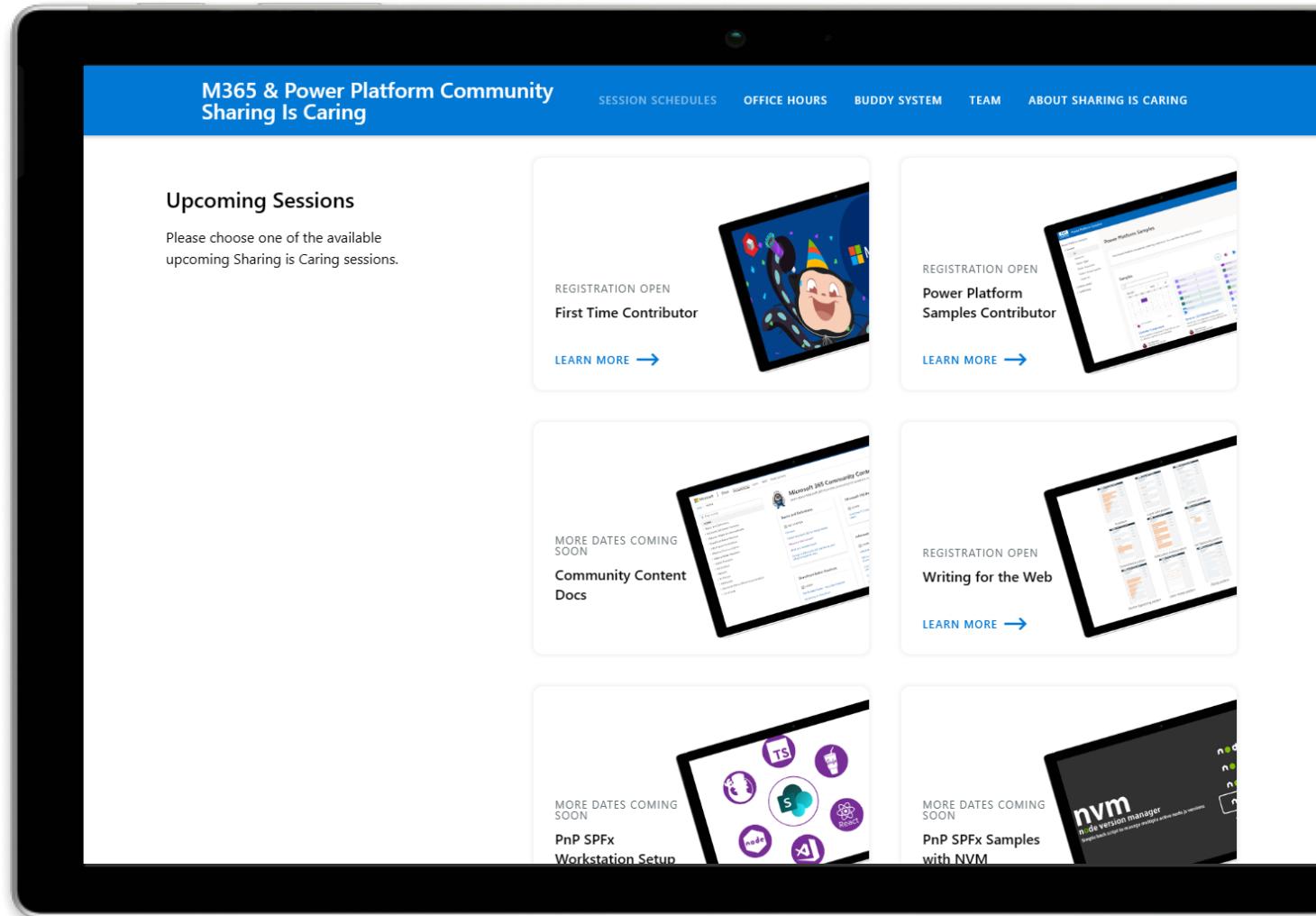
GUIDANCE

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

Upcoming Sessions:

- **General First Time Contributor**
- **Power Platform Samples Contributor**
- **Writing for the Web**
- **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 April



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

COMMUNITY



<https://aka.ms/community/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

Roadmap

PnP Framework

- >1.208M downloads!
- Prep for version 1.12.0 (end of March, tomorrow)
- Documentation site ([PnP Framework documentation](#) | [PnP Framework](#)) started by Paul Bullock

PnP Core SDK

- >1.487M downloads!
- Prep for version 1.9.0 (end of March, tomorrow)
- Move method for list items: Martin Loitzl
- Support for discovery of SharePoint AddIns and Azure ACS principles, package dependency updates, 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 in your application, simply add the `PnPCore.nuget package` to your project. The correct `PnPCore.Auth.nuget package` will be automatically added as a dependency.
- If you want to use the `PnPCore.nuget package` in your project as a dependency, you can include it in your project as a dependency.

133K tenants
and 39B
requests in a
month!





PnP PowerShell

Working on it

Cross Platform PnP PowerShell

V1.12.0 is out,
v2.0 coming tomorrow (if all goes well)

Many updates, improvements and fixes!

- 5.8 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

- Dropped **PS 5 support**, the 1.x versions will keep working in PS5 , encourage folks to update to PS 7.2 or later
- Added **Get-PnPSharePointAddIn** cmdlet to retrieve SharePoint addins in a site collection
- Added **Get-PnPAzureACSPrincipal** cmdlet to retrieve the ACS principal
- Added support for setting Azure AD app logo in **Register-PnPAzureADApp** cmdlet
- Improved **Send-PnPMail** cmdlet to also use Graph
- Added **DisableCommenting** parameter to **Set-PnPList** cmdlet
- Would love to hear from you. Discussion/feedback/issues - head to Github ?

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



github.com/pnp/powershell



www.powerhellgallery.com
PnP.PowerShell

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

powershell/MIGRATE-1.0-to-2.0.md at dev · pnp/powershell (github.com)

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**

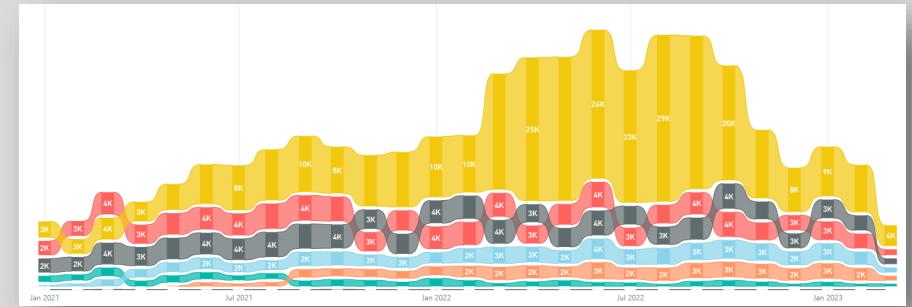
What's next? 💻

- Preparing v4.2.0
 - Fixed invalid HTML in generated Tabs → Thanks Appie 🙏
- 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)

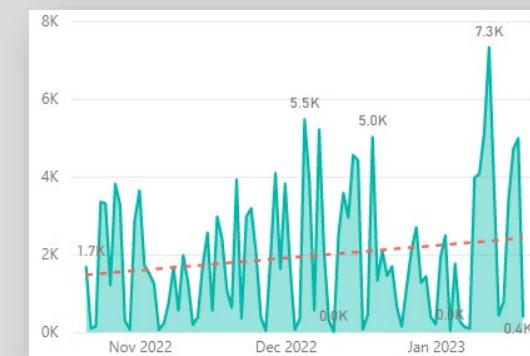
We need your help ❤️

- 🛠 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 13  
# -----
```



```
# -----  
# The latest highlights on Microsoft Teams developer tools  
# -----  
# Product           ::Recent highlights          > 5.0 Pre-Release  
#                   -vscode-extension             > Composable automation  
#                                         > Office add-ins  
#                                         > React 18 support, other QoL  
#                                         > ???  
#                                         > Productivity 🚀  
# -----  
# Community          > .NET developer? Let's chat!  
#                                         > https://aka.ms/ttk-chat
```

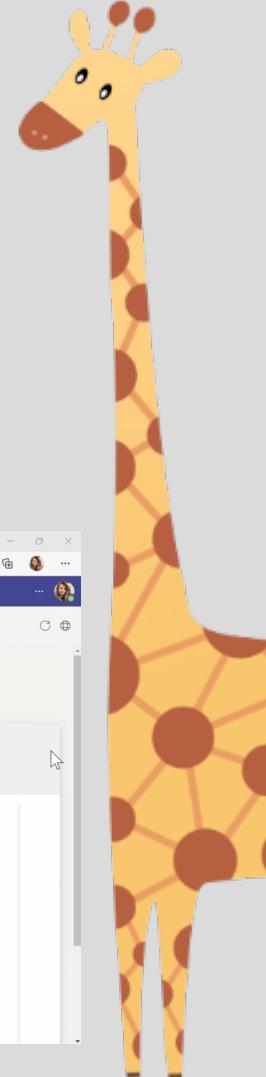
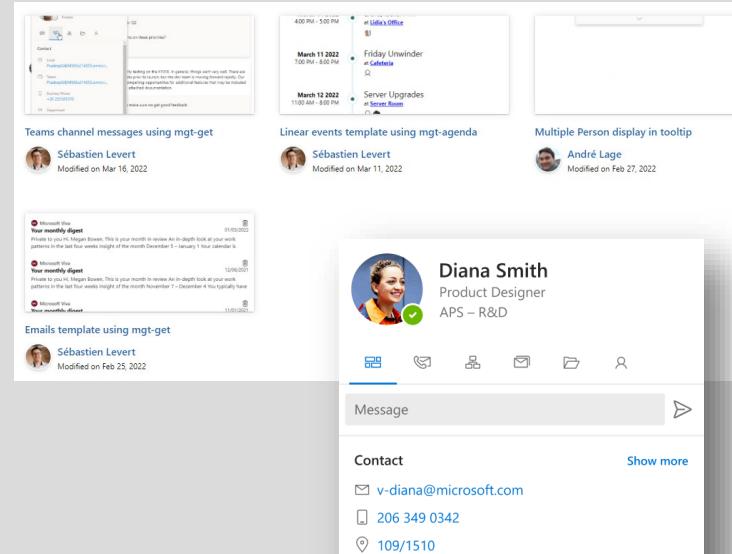


Microsoft Graph Toolkit

More information: aka.ms/mgt

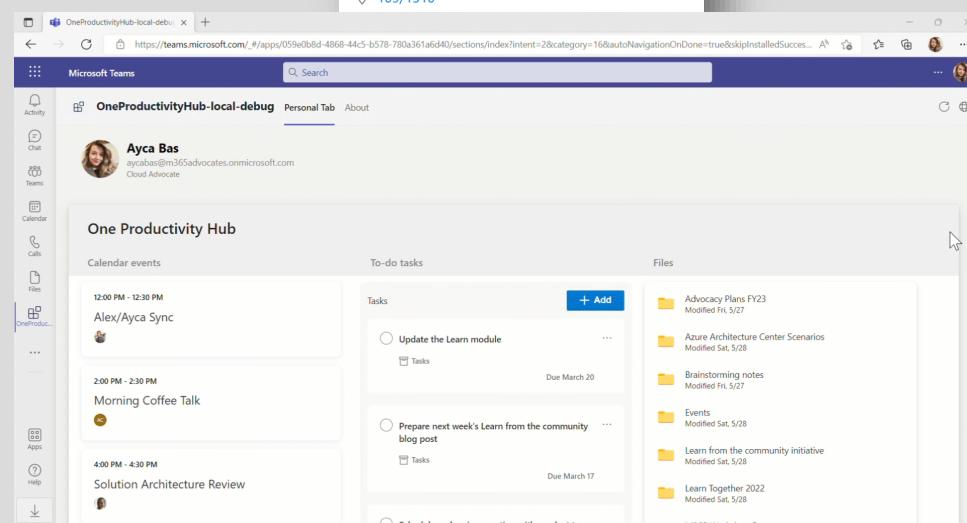
What's new 🎉

- Just shipped! V2.9.2 is our latest stable release! Update your packages! <https://aka.ms/mgt/2.9.2>
 - Updates to the mgt-person
 - Thanks @JoshWhite for your contributions 🎉
- Just shipped! V3.0.0-Preview.1 is now available! Try it NOW!**
<https://aka.ms/mgt/3.0.0-preview.1>
- The MGT samples repository is live! Keep your contributions coming! <https://aka.ms/mgt/samples>



What's next? 🛠️

- A new preview happening every month until GA!
- Install our next packages!
 - `npm i @microsoft/mgt@next`



We need your help ❤️

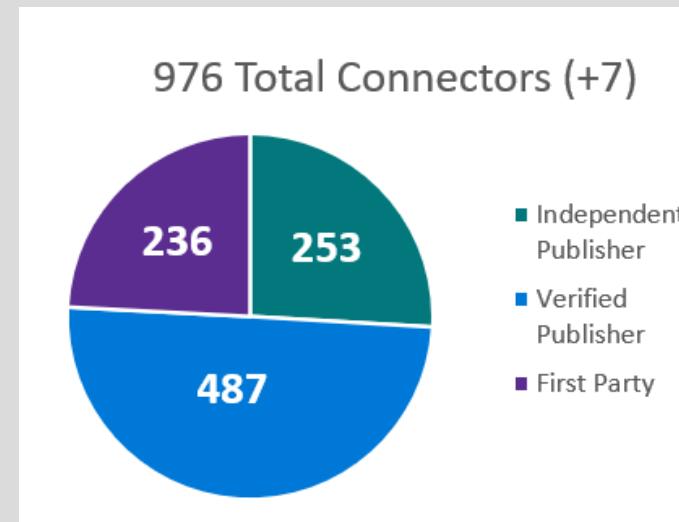
- Help us fix bugs
- Help us build/improve features
- help-wanted & good-first-issue -> <https://aka.ms/mgt/issues>



Independent Publisher Connectors

What's new?

- **82 Amazing Independent Publishers!**
(+3)
 - Welcome to the community, **Glen Hutson, Oscar Hui, and Resheme Auckloo**
- **253 Independent Publisher connectors!** (+5)
 - Worldwide Bank Holidays
 - Webex Integration
 - Cohere
 - Exact Time & Billing
 - Pushover



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 **178 scenarios and 233 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

- Change SharePoint Online List URL by **Ganesh Sanap**
- Disable SharePoint List Commenting at list level by **Ganesh Sanap**
- Export User Profiles to CSV by **Kasper Larsen**

Updated Scenarios using CLI for Microsoft 365

- Export User Profiles to CSV by **Valeras Narbutas**

Updated Scenarios using PnP PowerShell

- Add/Update Image in SharePoint Image column by **Matt Jimison**

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

Thank you for your samples and contributions – you're 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 script. One card is titled "Add users to follow SharePoint Sites" and another is titled "Multilingual SharePoint Page Summarization with Open AI API and Microsoft Graph PowerShell SDK". Other cards show screenshots of PowerShell and SharePoint interfaces, and descriptions of how to use them.

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>

Featured sample of the week!

Code: <https://aka.ms/bot-uam-cardbot>

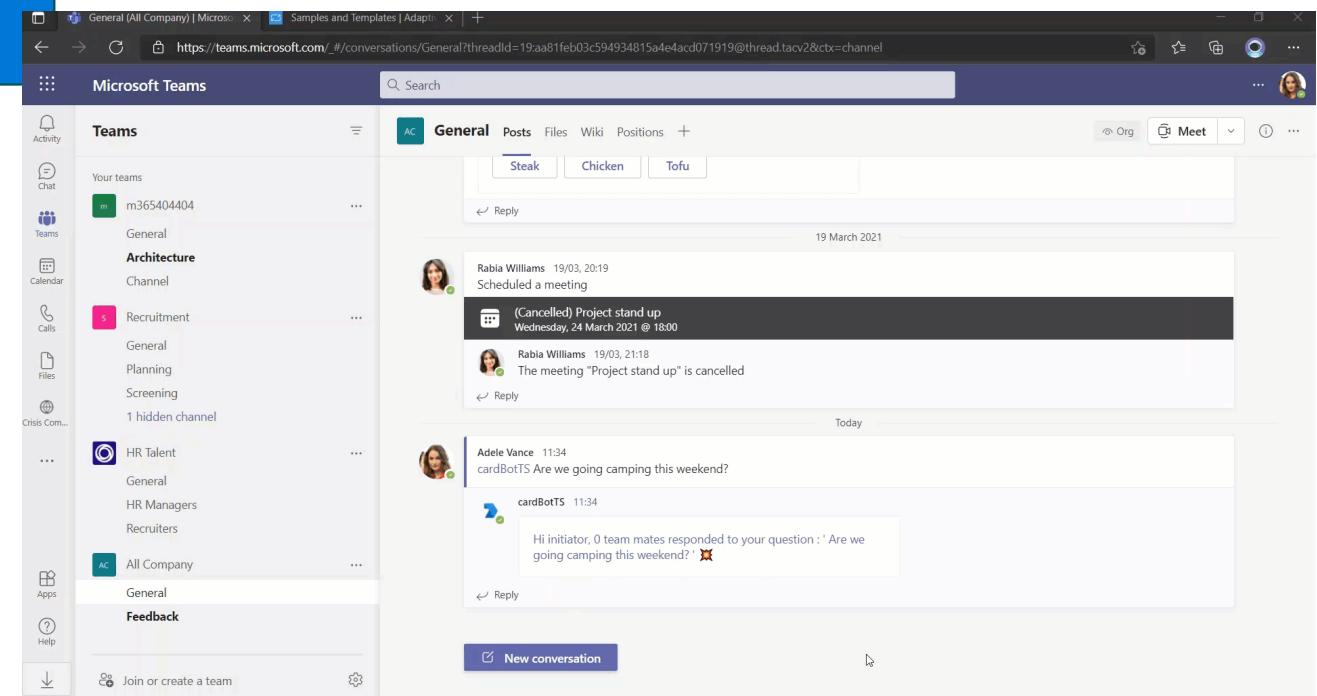
Adaptive Card Universal Actions

Send the same Adaptive Card to both Teams and Outlook
Implement and maintain a single, synchronized backend service to handle action execution, whether end-users are taking those actions from Teams or Outlook

by Rabia Williams - @williamsrabia

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

For the latest updates on building for Teams, Outlook, and M365 app:
<https://aka.ms/BuildWithTeams-playlist>



----- 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 Assessment Solution
Nati Turtledove | NatiTurts
- Power Happening
Wilmer Alcivar | walcivar
Ben den Blanken | BendenBlanken



Updated:

- Name Pronunciation Recorder
Lindsay Shelton | lsheltonSTO

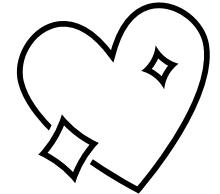


The screenshot shows the Power Apps Power Happening sample application. The interface includes a navigation menu on the left with options like Home, Recent, Pinned, Events, Event Agenda, Organization, Sponsors, Venues, and Event Registrations. The main area displays a calendar for the 'Power Happening Summit' on 2/19/2023. The calendar grid shows sessions in Boston, Brussels, and Vienna. A session titled 'Intro to Custom Pages' is highlighted in the grid. To the right of the calendar, there is a sidebar with three cards: 'Power Happening it's happening!', 'Creating your first PCF', and 'Custom APIs, a new world!'. The bottom of the screen displays the footer: 'Quality Assurance Assessment ■ Version 1.0.0.3 ■ QA Environment: Internal QA'.

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.



DEMO

- Have fun with DALL-E generated art in your Teams conversations
– Lee Ford
- List Formatting - Convert data into graphical information
– André Lage
- Companies House Independent Publisher Connector - How API integration adds value
– Matt Collins-Jones

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 forum titled "Community Calls Conversations". The top navigation bar includes "Power Apps Community > Community Engagement" and "Start a topic" and "Options" buttons. Below the title, there is a section for "Join the discussion". A table lists several posts:

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		



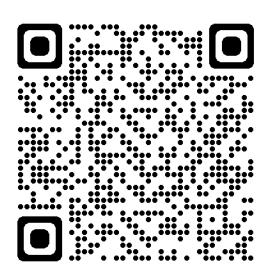
Community Calls Conversations

Lee Ford

[@lee_ford](https://twitter.com/lee_ford)



Have fun with DALL-E generated art in
your Teams conversations



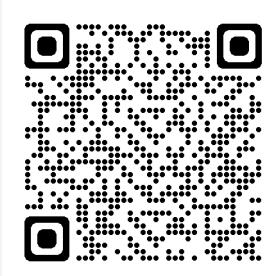
aka.ms/Mar30-Demo1

André Lage

[@aaclage](https://twitter.com/aaclage)



List Formatting - Convert data into
graphical information



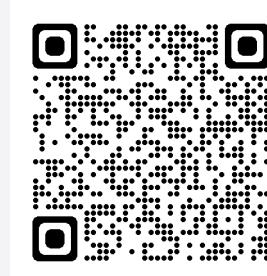
aka.ms/Mar30-Demo2

Matt Collins-Jones

[@D365Geek](https://twitter.com/D365Geek)



Companies House Independent
Publisher Connector - How API
integration adds value



aka.ms/Mar30-Demo3

Give us feedback about the calls – rate the call content and provide input on how we can improve ❤️🚀

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



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: **April 13th at 07:00am PT**
Next Viva Connections & SharePoint Framework call: **April 6th at 07:00am PT**
See all other community calls from <https://aka.ms/community/calls>



Thank you