

Your host in this call:  
David Warner (Microsoft)

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

January 19<sup>th</sup>, 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!**
  
- **Luise Freese** - Extend Azure AD to add pronouns to a people card component in Power Apps using Microsoft Graph
  
- **Lee Ford** – Create a conversational bot in Teams using OpenAI



# Opportunities to Participate in the community

Demo solution  
or technical  
pattern

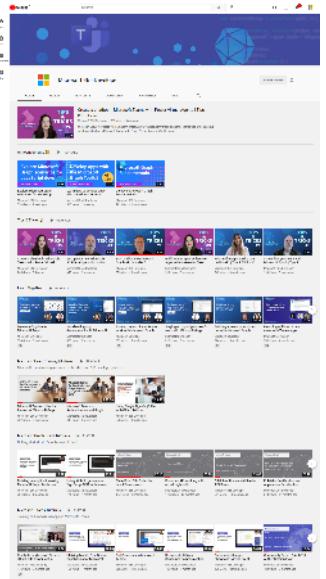
Contribute on  
GitHub

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.

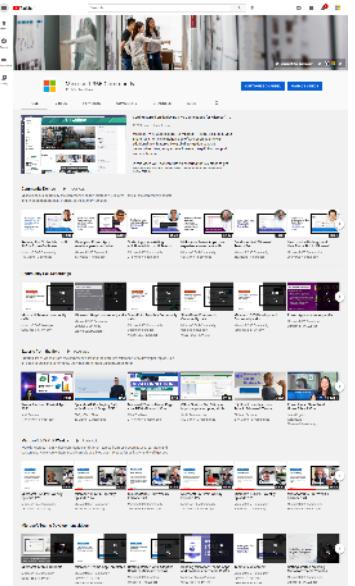
Request a demo spot on the call  
<https://aka.ms/community/request/demo>

## Microsoft 365 developer videos



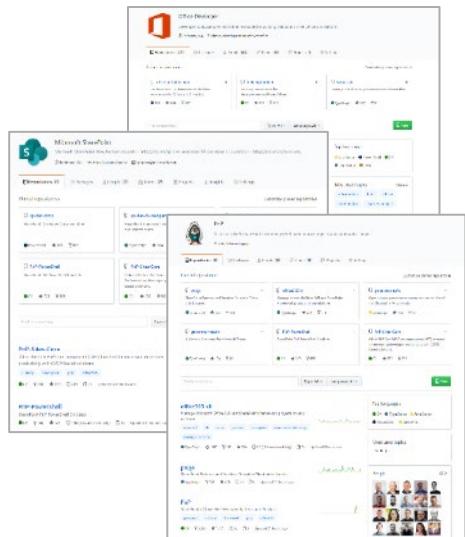
[aka.ms/m365devyoutube](https://aka.ms/m365devyoutube)

## Microsoft 365 community videos



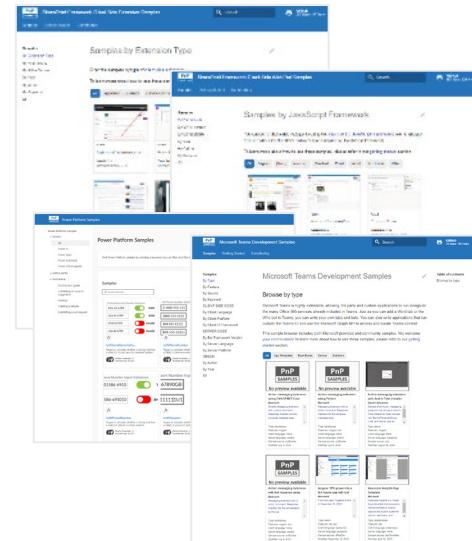
[aka.ms/m365pnp/videos](https://aka.ms/m365pnp/videos)

## 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>

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/community/calls>

# Microsoft 365 platform call

24<sup>th</sup> 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
- **Luca Bandinelli, John Nguyen, Alex Terentiev**– SPFx and next steps with Microsoft engineering
- **Vesa Juvonen** and **Andrew Connell** (Voitanos) – Introduction to Viva Connection learn module - tutorial 3



# 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 Dates  
Scheduled for  
February 2023

PnP | Sharing Is Caring

SESSION SCHEDULES OFFICE HOURS BUDDY SYSTEM TEAM ABOUT SHARING IS CARING

Upcoming Sessions

Please choose one of the available upcoming Sharing Is Caring sessions.

MORE DATES COMING SOON First Time Contributor

REGISTRATION OPEN Power Platform Samples Contributor

LEARN MORE →

REGISTRATION OPEN Community Docs

LEARN MORE →

REGISTRATION OPEN Writing for the Web

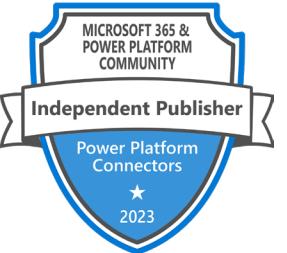
LEARN MORE →

MORE DATES COMING SOON PnP SPFx Workstation Setup

MORE DATES COMING SOON PnP SPFx Samples with NVM

<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 screen displays the title "Community Recognition Program". Below it is a large, stylized achievement badge. The badge has a dark blue top section with the text "MICROSOFT 365 & POWER PLATFORM COMMUNITY" and "Community Contributor". The bottom section is light blue with the year "2023" in large white letters.

<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

## PnP Framework

- >1.003M downloads!
- Released version 1.11.0
- Support for .NET 7, C# 10
- Documentation site ([PnP Framework documentation](#) | [PnP Framework](#)) started by Paul Bullock 🎉🔗🚀
- Updated build script to support .NET 7, optionally providing BCC addresses to send a mail: Suman Tokori, Koen Zomers 🎉🔗🚀

Roadmap

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

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

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

## PnP Core SDK

- >1.254M downloads!
- Released version 1.8.0
- Support for .NET 7, C# 10
- Audience targeting support for libraries, navigation and documents, additional tenant and site properties, ValidateUsersAsync and ValidateAndEnsureUsersAsync methods: Bert Jansen 🎉🔗🚀

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

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 a dependency.
- If you want to debug the SDK code you can include the `PnPCore` folder (and its `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 !!!**

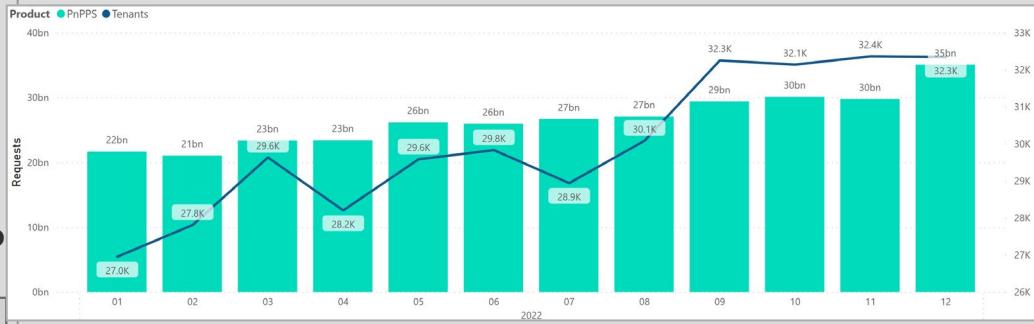
**Many updates, improvements and fixes!**

- **4.6 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>
- 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

- Bug fixes and improvements continue in nightly builds
- **.NET 6.0 support** is now available. Requires PS 7.2.x or later
- Added **Get-PnPFolderMetric** to retrieve storage metrics per folder
- Added **Filter** to **Get-PnPAzureADServicePrincipal** and **Get-PnPMicrosoft365Group** to support server-side filtering
- Improved **Invoke-PnPSPRestMethod**, so you can use response headers
- Improved **Set-PnPTenant** and **Set-PnPsite** cmdlets to support configuration of the new receive files to SharePoint Online folder feature
- Coming soon – **HTTP/2 support which improves performance**
- Would love to hear from you. Discussion/feedback/issues - head to **Github** ?

>32.000 tenants in a month!



[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>

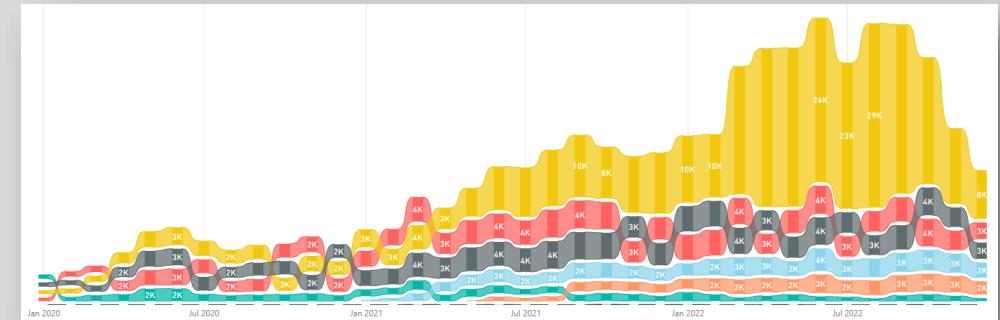
48K

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`

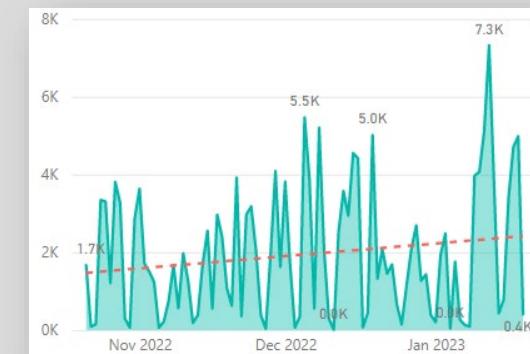
Package Downloads



## 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)

Daily build events



## 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>



# Microsoft Teams Toolkit

## Recent highlights

- Teams Toolkit for VS Code 4.2
  - New Dashboard template
  - Improvements that assist in acquiring a Microsoft 365 dev tenant
  - SPFx 1.16 support
  - SSO configuration improvements and support for bots
- Teams Toolkit for VS 17.5 Preview 2
  - Use existing app IDs, resources, and more with app.yml
  - Will remain in preview throughout 17.6

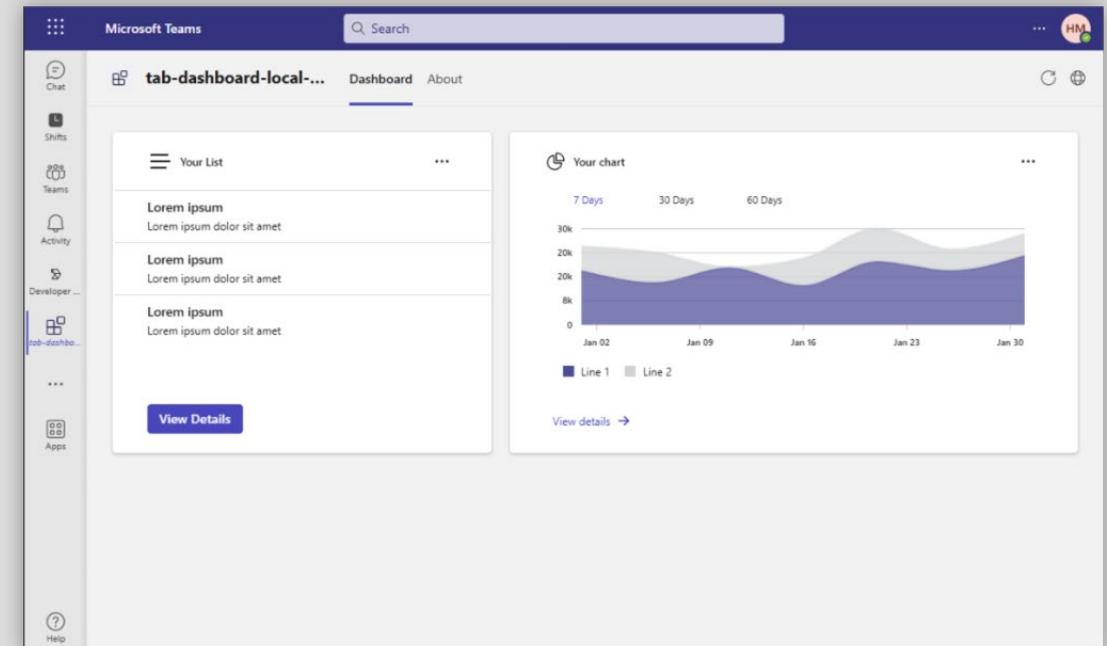
## What's next?

- Continuing our work to make the app/project model configurable – looking for feedback.
- Support for Office add-ins using the new Teams manifest schema
- Make it easier to get started and build bot apps (emulators? mock?)

## We need your help

Chat with me directly and share what's on your mind about Teams developer experience: <https://aka.ms/chat-teamsdevex>

 Share issues and bug findings at  
<https://github.com/OfficeDev/TeamsFx/issues>





# Microsoft Graph Toolkit

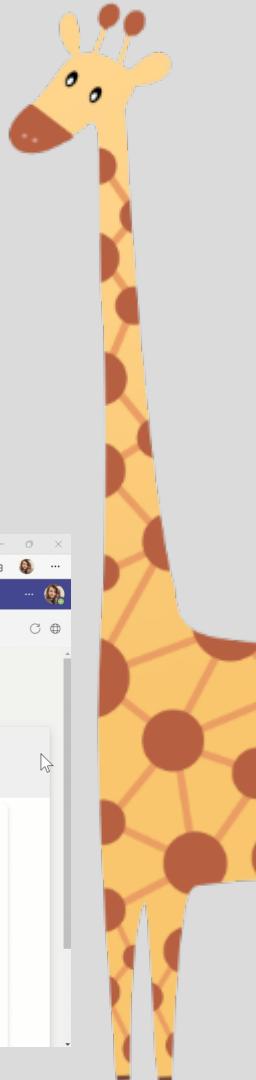
More information: [aka.ms/mgt](https://aka.ms/mgt)

## 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
- One Productivity Hub interface showing Calendar events, To-do tasks, and Files.



## 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 ❤️

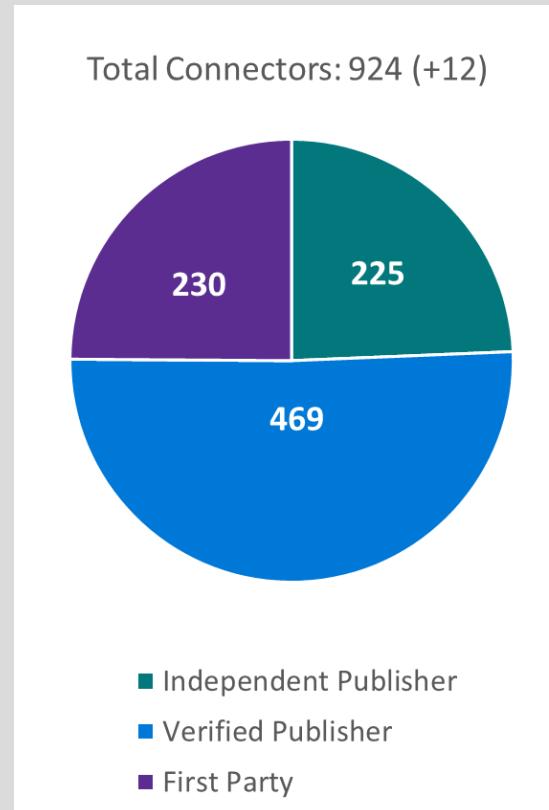
- Help us fix bugs
- Help us build/improve features
- help-wanted & good-first-issue -> <https://aka.ms/mgt/issues>



# Independent Publisher Connectors

## What's new?

- **72 Amazing Independent Publishers!**
- **225 Independent Publisher connectors! (+5)**
  - **Readwise (Troy Taylor)**
  - **Swagger Converter (Fördős András)**
  - **LanguageTool (Fördős András)**
  - **TSheets Quickbooks Time (Artesian Software)**
  - **Postman (Tomasz Poszytek)**



## 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 **158 scenarios and 209 scripts**, using Microsoft Graph, PnP PowerShell, SPO Management Shell tooling, CLI for Microsoft 365 and more... 😊 AND samples integrated into *Microsoft Sample Solution Gallery*

Ton of incredible awesome 🎉 😊 💥 💪 scenarios and samples:

## New Scenarios using Azure CLI + Microsoft Graph

- Uploads a large file to SharePoint using MS Graph REST API and PowerShell by **Paul Matthews**

## New Scenarios using Microsoft Graph PowerShell SDK

- Create Dynamic Install and Uninstall Azure AD Groups using Graph by **Andrew Taylor**

## New Scenarios using PnP PowerShell

- Creates and apply site designs by **Reshmee Auckloo**
- Enable page scheduling on a modern site pages library by **Nanddeep Nachan**
- Retrieve Message Centre announcements and post to teams by **Valeras Narbutas**
- Create Document Set in SharePoint Library by **Jimmy Hang**
- Enable Site Collection App Catalogs on a specific sites using CSV by **Nanddeep Nachan**
- Extract the employees shown on modern pages (Author byline) in a selection of Site Collections to CSV by **Kasper Larsen**

## New Scenario using Azure AD Module

- Create AD app, add permissions and connect to SharePoint by **Valeras Narbutas**

## Updated Scenario using CLI for Microsoft 365

- Create AD app, add permissions and connect to SharePoint by **Adam Wójcik**

## Updated Scenario using PnP PowerShell

- Deploy sppkgs and install apps by **Matteo Serpi**

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

Remember to opt-in to the recognition program



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>

The screenshot shows the 'Script Samples' repository on GitHub. The main page displays a search bar and a grid of cards representing different scripts. Each card includes a thumbnail image, the script name, a brief description, and the author's name and modification date. The cards are arranged in three columns.

- Extract the employees shown in the People Web part on pages in a selection of Site Collections to CSV** by Kasper Larsen (Modified Dec 23 2022)
- Activate a site feature in SharePoint online** by Kasper Larsen (Modified Dec 14 2022)
- Remove modern web part and apply** by Kasper Larsen (Modified Dec 14 2022)
- Extract the configuration web part and apply** by Kasper Larsen (Modified Dec 14 2022)
- Remove modern web part** by Kasper Larsen (Modified Dec 14 2022)

We have **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.

# Microsoft Teams Samples

## 4 Featured Teams App Samples with Full Tutorials



	<b>HR Consulting App</b>	Detailed labs in C# or Typescript Shows many app capabilities  (lab is in a PDF file in the root of each repo)	<a href="https://aka.ms/hr-talent-app">https://aka.ms/hr-talent-app</a> <a href="https://aka.ms/hr-talent-app-node">https://aka.ms/hr-talent-app-node</a>	
	<b>One Productivity Hub</b>	Get started with Graph Toolkit in Microsoft Teams	<a href="https://aka.ms/one-productivity-hub">https://aka.ms/one-productivity-hub</a>	
	<b>Emergency Response site</b>	Build Teams tabs using SharePoint pages and SharePoint Framework	<a href="https://aka.ms/emergency-response">https://aka.ms/emergency-response</a>	
	<b>Northwind Orders App</b>	Migrate an existing app to Teams and sell it in the Teams store	<a href="https://aka.ms/app-camp">https://aka.ms/app-camp</a>	

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

Please share your Teams app sample!  
#SharingIsCaring



# Power Platform Samples

New:

- PDF Reader Creator Kit

**Angelo Gulisano** | angelogulisano



The screenshot shows a PowerApp interface with a sidebar containing a search bar and a list of templates. The main content area displays a blog post titled "Create an app from PowerApps templates". The post includes a summary, a "Getting Started" section with steps, and a "Create an app from your data" section.

**PDF Reader Creator Kit**

- Conditional formatting in PowerApps
- Create a barcode scanning app in min...
- Create an app from PowerApps templ...
- Introduction To PowerApps
- Push notifications and Android N sup...
- Register and use Custom APIs in Pow...

**Create an app from PowerApps templates**

Templates are quick ways to create apps that use connected data sources. In addition to our current templates: Budget Tracker and Site Inspection, today we're releasing two new templates: Cost Estimator and Service Desk. Our goal is to offer a variety of templates you can choose from and customize to create an app that meets your needs. This blog post offers guidance on choosing the right template, walks you through the steps to create an app from a template, and shows you how to clear sample data so you can make the app your own.

**Getting Started**

Check out this detailed article to follow step by step instructions for creating your app from a template. I can summarize it into these 6 steps:

1. Install PowerApps Studio from the Windows Store, and login with your work or school account.
2. On New, select a 'Phone layout' or 'Tablet layout' option under 'App templates'. Note that whether you choose phone or tablet layout, your app will always run in a web browser.

Create an app from your data

PDF Reader with Creator Kit By Angelo Gulisano. Click me to visit <https://angelogulisano.com>

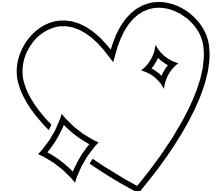
Join the Power Platform Contributors  
Sharing is Caring Session  
February 23<sup>rd</sup>

[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.*



# DEMO

- Extend Azure AD to add pronouns to a people card component in Power Apps using Microsoft Graph
  - Luise Freese
- Create a conversational bot in Teams using OpenAI
  - Lee Ford

# 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.

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		

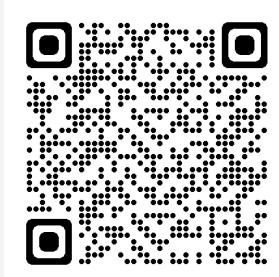
# Community Calls Conversations

**Luise Freese**

@LuiseFreese



Building a Extend Azure AD to add pronouns to a people card component in Power Apps using Microsoft Graph



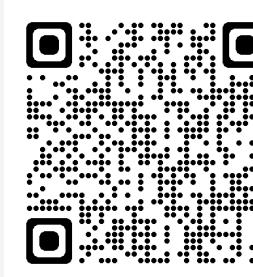
[aka.ms/Jan19-Demo1](https://aka.ms/Jan19-Demo1)

**Lee Ford**

@lee\_ford



Create a conversational bot in Teams using OpenAI



[aka.ms/Jan19-Demo2](https://aka.ms/Jan19-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 on Twitter

[@Microsoft365Dev](https://twitter.com/Microsoft365Dev) | [@M365PnP](https://twitter.com/M365PnP)

Next M365 General Dev call: **February 2<sup>nd</sup> at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **January 26<sup>th</sup> at 07:00am PT**

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



Thank you