

Your host in this call:
David Warner (Microsoft)

Microsoft 365 & Power Platform Development – Bi-weekly call

February 2nd, 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!**

- **Sabbika Siddiq** - Turn that 'Power Apps' app into a Mobile app!

- **Chris Kent** – List Formatting Magic



Opportunities to Participate in the community

Demo solution
or technical
pattern

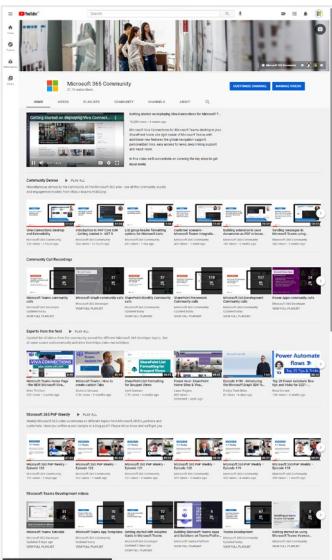
Contribute on
GitHub

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.

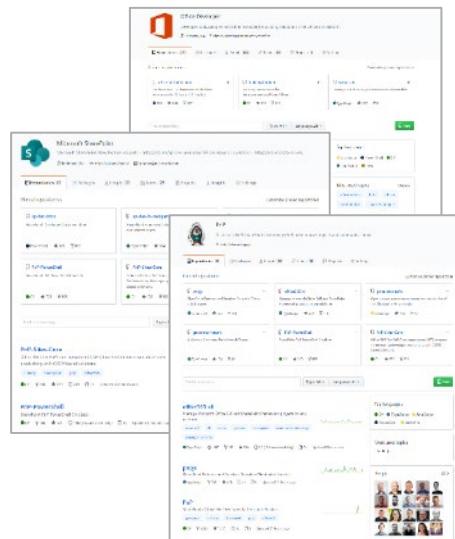
Request a demo spot on the call
<https://aka.ms/community/request/demo>

Microsoft 365 & Power Platform community videos



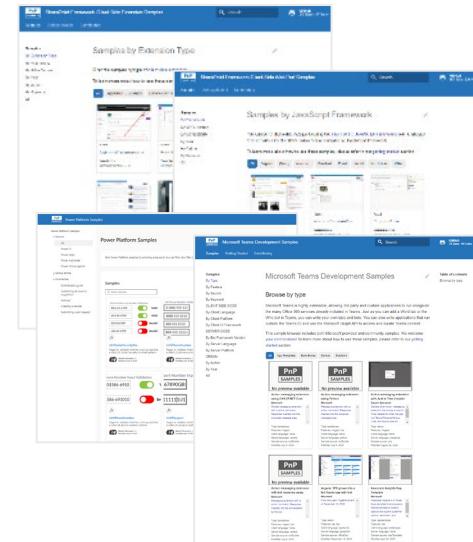
aka.ms/community/videos

Open-source



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

Sample galleries



aka.ms/m365/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/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

7th of February @8 AM PT

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



- Latest news from Microsoft engineering on the [Microsoft 365](#) topics
- Community together mode group photo
- **Ayca Bas & Dan Wahlin** – Getting Started with Azure Communication Services, Microsoft Graph, and Microsoft Teams
- **Garry Trinder** – Turn text to images in Microsoft Teams using OpenAI DALL-E 2 and Teams Toolkit for Visual Studio Code
- **Pranita Padalwar** - Power Pages Data workspace is now solution aware

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



<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". The bottom section is white with the text "Community Contributor" in large letters and "2023" in large numbers.

<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

- >1.040M downloads!
- Released version 1.11.0
- Support for .NET 7, C# 10
- Documentation site ([PnP Framework documentation](#) | [PnP Framework](#)) started by Paul Bullock 🎉 & 🚀
- Centralized logic to detect admin center URL, work in progress to better support other cloud environments 🎉 & 🚀

Roadmap

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

nuget.org/profiles/pnp

aka.ms/pnp/framework

PnP Core SDK

- >1.296M downloads!
- Released version 1.8.0
- Support for .NET 7, C# 10
- Return sites behind shared/private team channels, improved support for using mocking frameworks, various smaller fixes : 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

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 `PnPCore` folder (and its subfolders like `src\ sdk`) 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!

- **4.8 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**

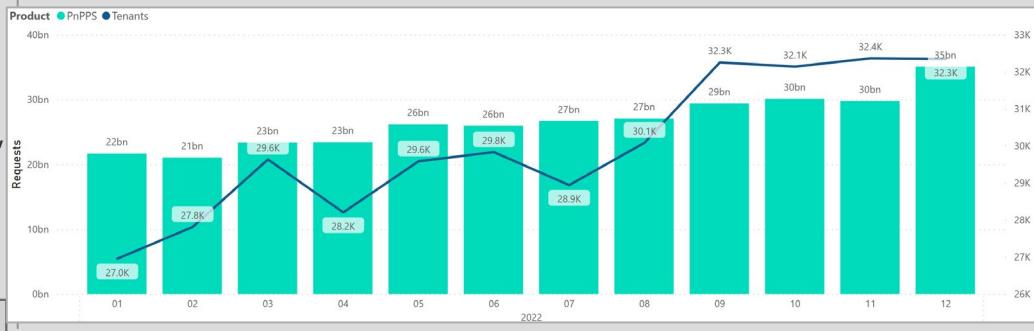


github.com/pnp/powershell

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 **Get-PnPFolder** cmdlet
- Improved **Add-PnPNavigationNode** to support modern audience targeting
- Improved Managed Identity auth support for Azure VMs in **Connect-PnPOnline**
- Added **BCC** support when using **Send-PnPMail**
- ⑩ Added support from adding **PrimarySiteCollectionAdmin** in **Add-PnPsiteCollectionAdmin** and **Set-PnPTenantSite**
- ⑪ Improved **Connect-PnPOnline –Interactive**, made the dialog more clear
- Added **HTTP/2 support** which improves performance
- **Would love to hear from you. Discussion/feedback/issues - head to Github ?** www.powershellgallery.com - PnP.PowerShell

>32.000 tenants in a month!



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`

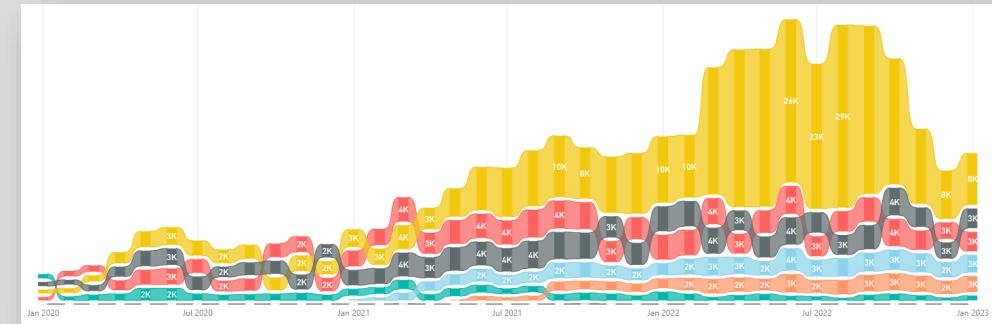
What's next? 💻

- 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)

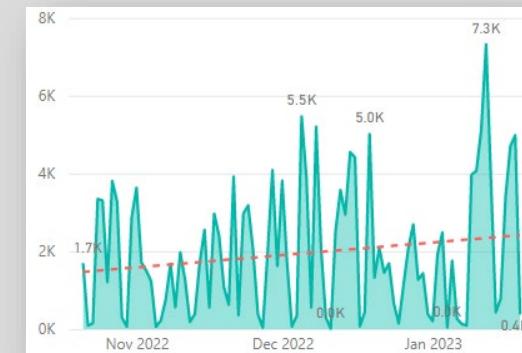
We need your help ❤️

- 🛡 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





Microsoft Teams Toolkit

Recent highlights

- @microsoft/teamsfx SDK
 - Deprecate usages of BotFrameworkAdapter and use CloudAdapter
- Learning resources
 - New learn module on building and deploying using Teams Toolkit for VS Code <https://aka.ms/learn/teamstoolkit>

What's next?

- Continuing improvements to the app model and configuration over convention.
- Start from a Teams app or Office add-in (dev preview)

Something on your mind?

Let's chat! Help me shape the future of Teams developer experiences: <https://aka.ms/chat-teamsdevex>

We're Open Source!

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



The screenshot displays the Microsoft Teams Toolkit extension interface in Visual Studio Code. On the left, the extension sidebar lists various tools like 'Teams Toolkit', 'Teams color theme for VS Code', and 'Teams Theme'. A modal window titled 'Configure your new project' is open, showing options for creating a 'Teams application'. It includes fields for 'Project name' (MyTeamsApp22), 'Location' (C:\Users\johmhp\), 'Solution name' (MyTeamsApp22), and 'Trigger type' (with options for 'HTTP Trigger (ASP.NET Core Web API)', 'HTTP Trigger (Azure Functions)', 'Timer Trigger (Azure Functions)', and 'HTTP + Timer Trigger (Azure Functions)'). Other tabs in the modal include 'Details', 'Feature Contribution', and 'Notification Bot' (described as sending a chat message to Microsoft Teams using an Azure Function trigger or timer). At the bottom right of the modal are 'Back' and 'Create' buttons. In the background, a browser window shows the GitHub repository for 'OfficeDev/TeamsFx' with 111 forks and 278 stars.



Microsoft Graph Toolkit

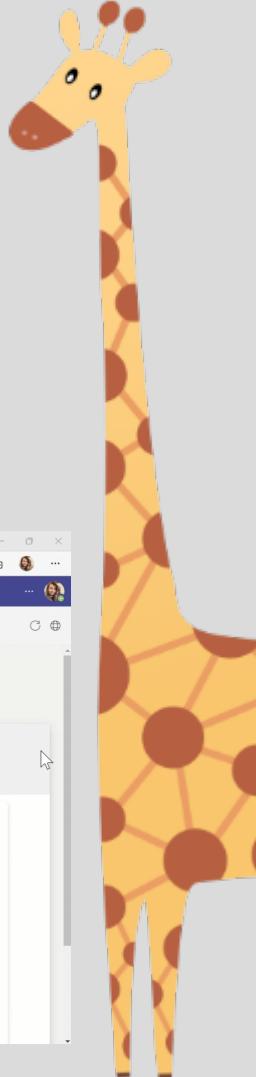
More information: aka.ms/mgt

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
- A Microsoft Teams contact card for Diana Smith
- A Microsoft Teams personal tab showing Ayca Bas's profile and activity
- A One Productivity Hub interface displaying 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 ❤️

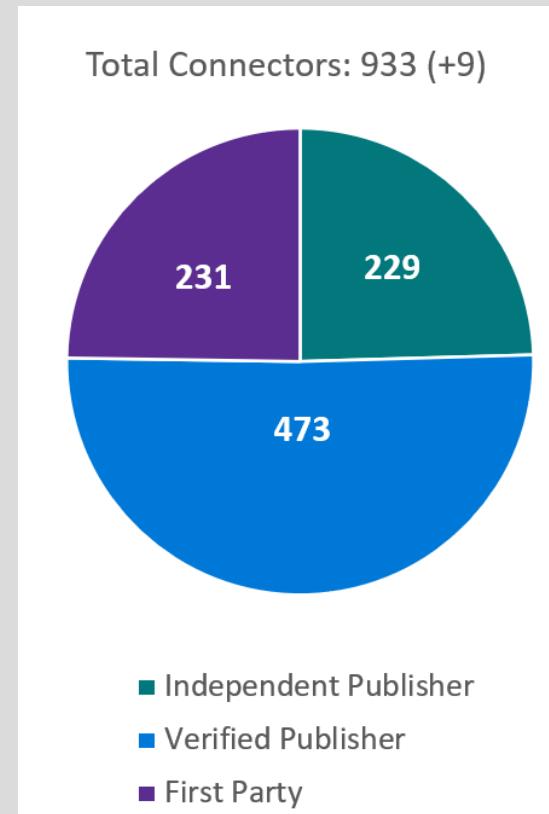
- Help us fix bugs
- Help us build/improve features
- help-wanted & good-first-issue -> <https://aka.ms/mgt/issues>



Independent Publisher Connectors

What's new?

- **73 Amazing Independent Publishers!**
- **229 Independent Publisher connectors! (+5)**
 - **Amjad Ayoub:** Spoonacular Meal Planner, Spoonacular Recipe, Spoonacular Food
 - **Troy Taylor:** Shorty SMS



OpenAI

Power Platform Integrations /
Connectors LABs Participant Form



We need your help

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

OR

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

SCRIPT SAMPLES

Site now has **162 scenarios and 215 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

- Get and compare documents hash from different by **Valeras Narbutas**
- How to ensure that the Role/Title in each People web part is updated by **Kasper Larsen**
- Grant permissions for a given Azure Active Directory application registration by **Michał Romiszewski**
- Export of Stream (Classic) Web Parts and pages that use them by **Tetsuya Kawahara**

Updated Scenario using CLI for Microsoft 365

- Retrieve Message Centre Announcements and post to MS Teams Channel by **Nanddeep Nachan**
- Report of where a Term is used by **Adam Wójcik**

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 dark-themed website for 'Script Samples'. At the top, there's a navigation bar with links for 'PnP SAMPLES', 'Scripts', 'By Tool', 'By Product', and 'Contributing'. Below the navigation is a section titled 'Script Samples' with a search bar. The main area displays several cards, each representing a different scenario or sample. One card for Kasper Larsen shows how to extract employees from a People Web part. Another for Tetsuya Kawahara shows how to export Stream Web Parts. A third for Nanddeep Nachan shows how to retrieve Message Centre Announcements. A fourth for Adam Wójcik shows how to report term usage. Each card includes a small preview image, a title, a brief description, and the author's name and modification date.

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

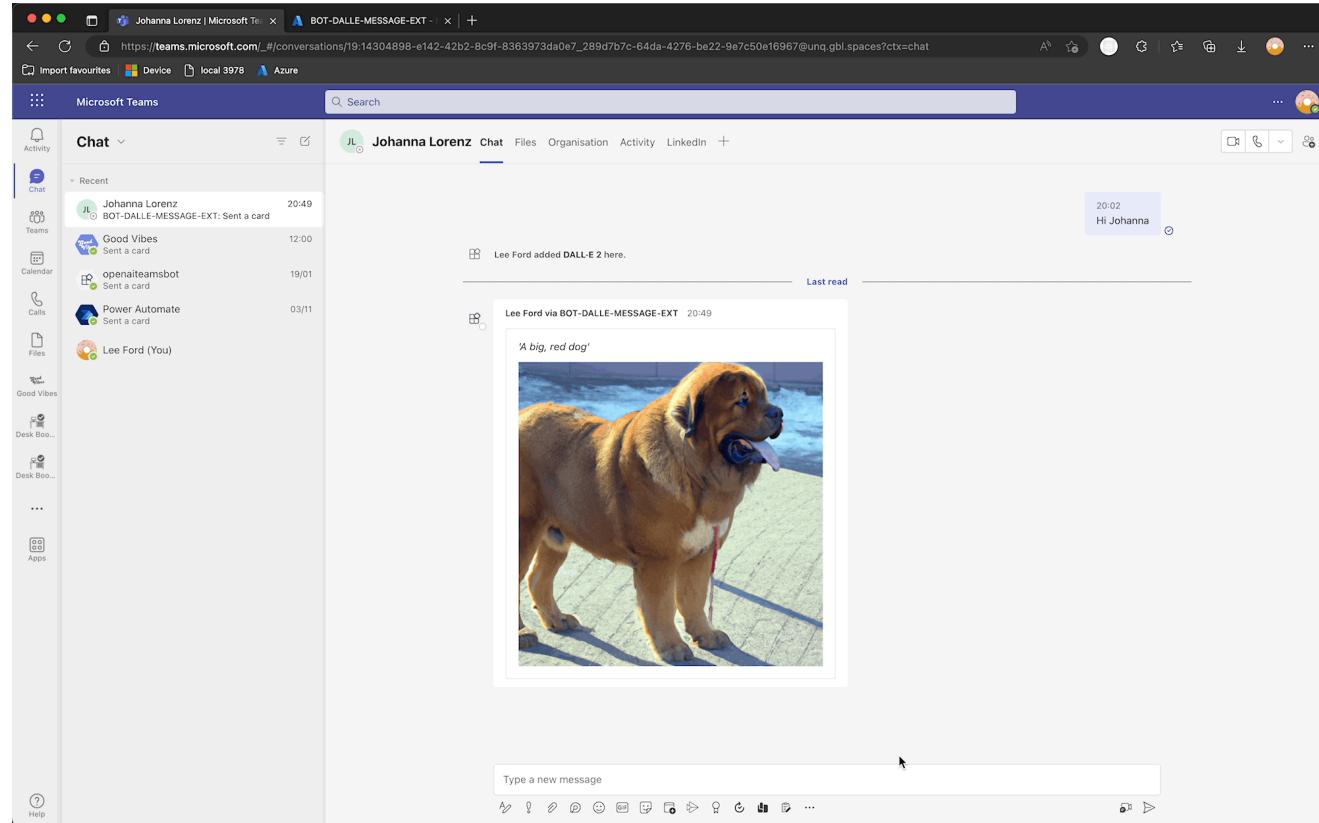


aka.ms/script-samples



Microsoft Teams Samples

Teams Message Extension with DALL-E 2
<https://aka.ms/msgext-dalle>



The screenshot shows a Microsoft Teams chat window. On the left, the sidebar lists various Teams features like Activity, Chat, Calls, and Files. The main area shows a conversation with Johanna Lorenz. A message from Lee Ford via BOT-DALLE-MESSAGE-EXT at 20:49 contains the text "A big, red dog" and includes a photo of a large, brown, wrinkled dog standing on a sidewalk.



Parker the artistic porcupine

Thanks to for this new sample
<https://aka.ms/msgext-dalle>

Lee also created a Chat GPT Bot for Teams!
<http://aka.ms/bot-openai>

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



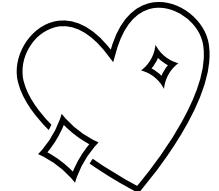
Join the Power Platform Contributors
Sharing is Caring Session
February 23rd

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!



By enabling your camera for the picture, you'll give us the permission to share your picture in social media.

A photograph showing a man and a woman looking at a laptop screen. A coffee cup with a cartoon character on it sits on the desk in front of them. In the foreground, there's a small, semi-transparent image of a person wearing a flight suit and goggles.

DEMO

- Turn that 'Power Apps' app into a Mobile app!
 - Sabbika Siddiq
- List Formatting Magic
 - Chris Kent

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 discussion board. At the top, it says "Power Apps Community > Community Engagement". Below that is the title "Community Calls Conversations". There is a "Join the discussion" button, a "Start a topic" button (which is highlighted in purple), and an "Options" dropdown menu. The main area displays a list of 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

Sabbika Siddiq

[@sabbika](#) 



Turn that 'Power Apps' app into a
Mobile app!



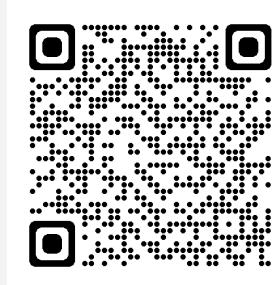
[aka.ms/Feb2-Demo1](#)

Chris Kent

[@theChrisKent](#) 



List Formatting Magic



[aka.ms/Feb2-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](#) | [@M365PnP](#)

Next M365 General Dev call: **February 16th at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **February 9th at 07:00am PT**

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



Thank you