



Your host in this call:  
David Warner (Microsoft)

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

August 18<sup>th</sup>, 2022



# Agenda

- Latest Updates on community
- PnP .NET libraries
- PnP PowerShell
- Independent Publisher Connectors
- Latest on script samples
- Latest Microsoft Teams samples
- Latest on Power Platform samples
- Picture time with the Together Mode!
- **Mitanshu Garg** - Independent Publisher Connectors - RegEx Matching Demo
- **Chris Kent** - List Formatting Magic – Data and Time formatting options



# Opportunities to Participate in the community

Demo solution  
or technical  
pattern

Contribute on  
GitHub

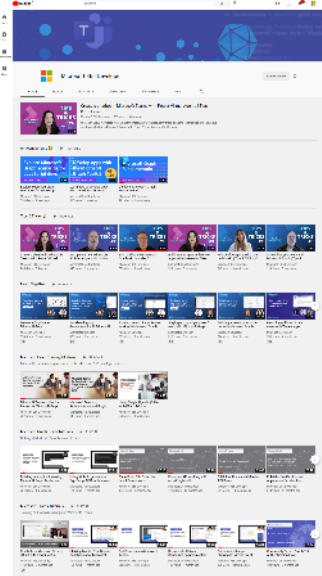
Provide  
feedback

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/m365pnp/request/demo>

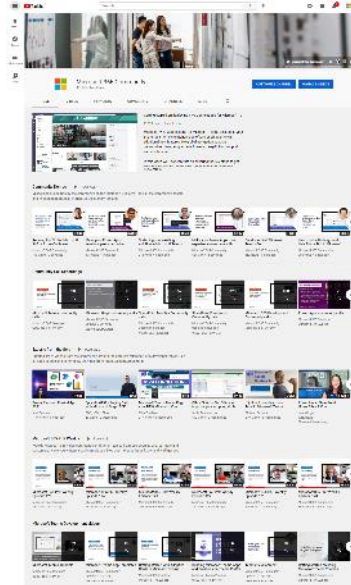


## Microsoft 365 developer videos



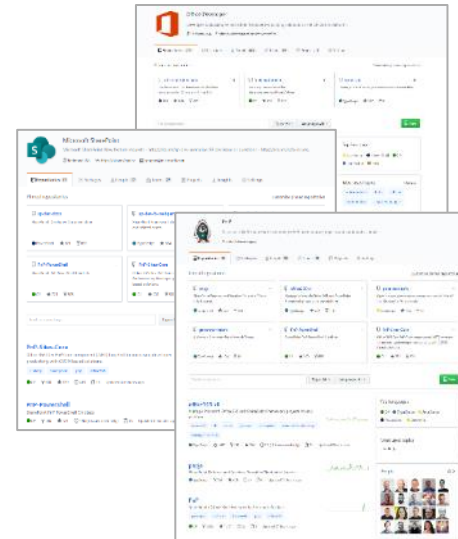
[aka.ms/m365devyoutube](https://aka.ms/m365devyoutube)

## Microsoft 365 community videos



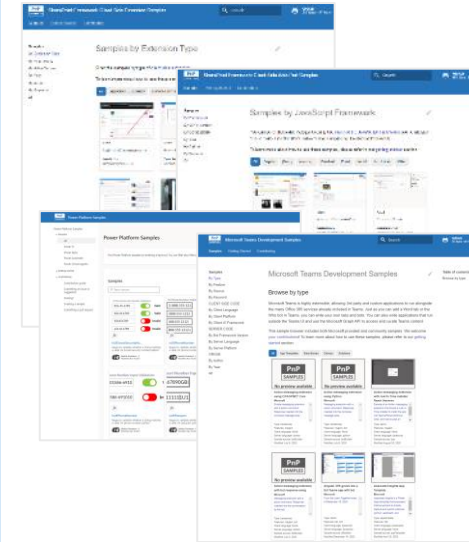
[aka.ms/m365pnp/videos](https://aka.ms/m365pnp/videos)

## 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>

➔ (Notice. This call is on a summer break between July 1<sup>st</sup> and 31<sup>st</sup> of August 2022 – next call on 6<sup>th</sup> of September)

Adaptive Cards

<https://aka.ms/adaptivecardscommunitycall>

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/m365/calls>

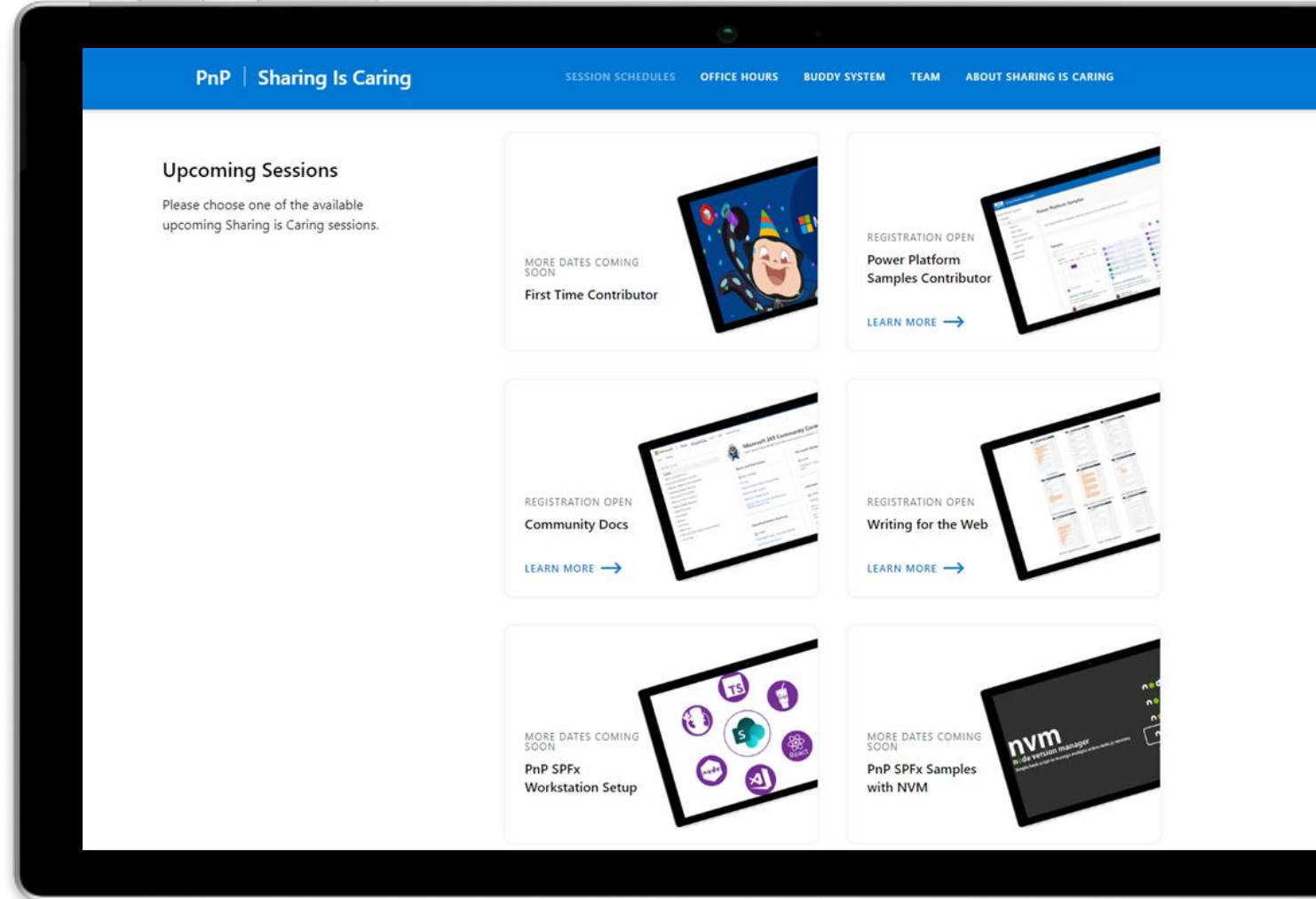
# GUIDANCE

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

## Upcoming Sessions:

- First-time contributor
  - **Power Platform Samples Contributor**
  - 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
- 
- **Writing for the Web**
  - **Power Platform Samples Contributor**

**September Dates!!!**



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

# COMMUNITY



## PnP Recognition Program

- Showcasing your contributions
- Powered by Credly
- More achievement levels coming soon



<https://aka.ms/m365pnp-recognition>

# PnP .NET libraries

A set of libraries that helps Microsoft 365 .NET developers to be more productive when working with SharePoint and Teams





# PnP .NET libraries

Working on it

Roadmap

## PnP Framework

- >687,000 downloads!
- Prepping 1.11.0 (**after summer break**):
  - Merge pending PRs
  - Support for new SFPx Form Customizers for lists and libraries
  - General fixes and improvements: 👍🚀

## PnP Core SDK

- >900,000 downloads!
- Prepping for 1.8.0 (**after summer break**):
  - Support for using RefinementFilters: Llewellyn Roos 👍🚀
  - Getusereffectivepermissions support: Mathijs Verbeeck 👍🚀
  - Fixes and improvements: Bert Jansen 👍

What key scenarios are still missing?

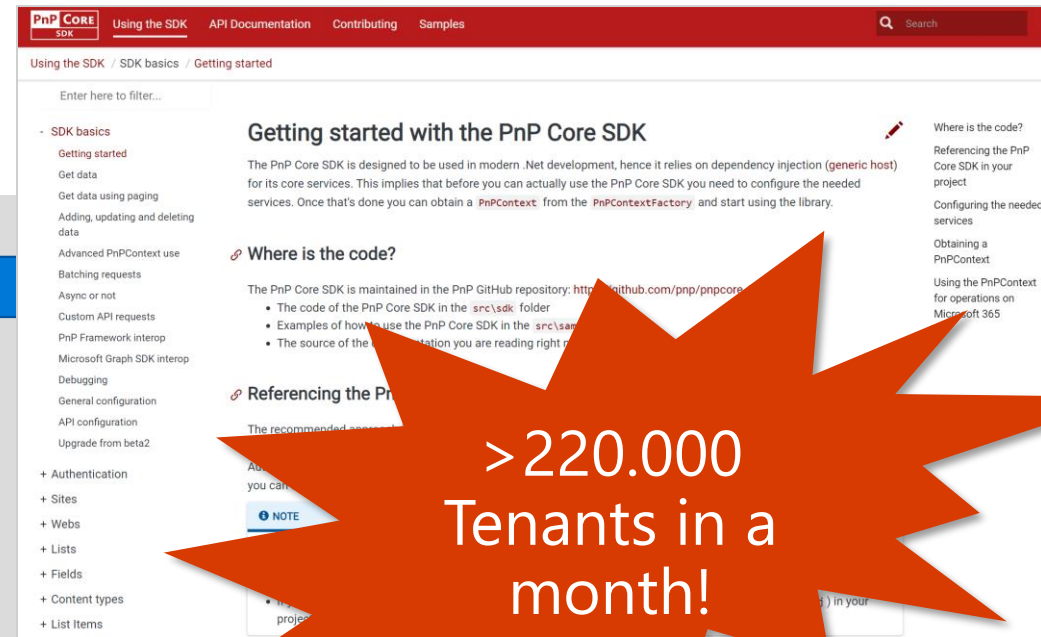
<https://github.com/pnp/pnpcore/blob/dev/src/sdk/CHANGELOG.md>

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

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

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

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



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.

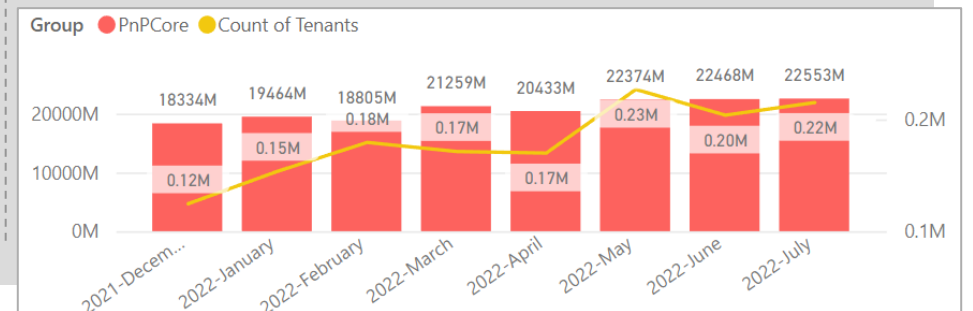
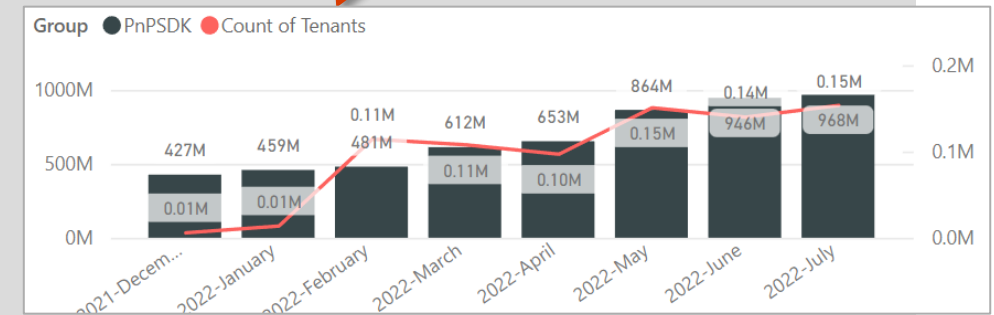
Where is the code?

The PnP Core SDK is maintained in the PnP GitHub repository: <https://github.com/pnp/pnpcore>

- 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

Referencing the PnP Core SDK

The recommended approach is to use the `PnP.Core` package in your project.



# PnP PowerShell

Open-source cmdlets which provide you an easy way to manage your SharePoint and Teams environment.



# PnP PowerShell

## Cross Platform PnP PowerShell

V1.11.0 released, back from summer break

Many updates, improvements and fixes!

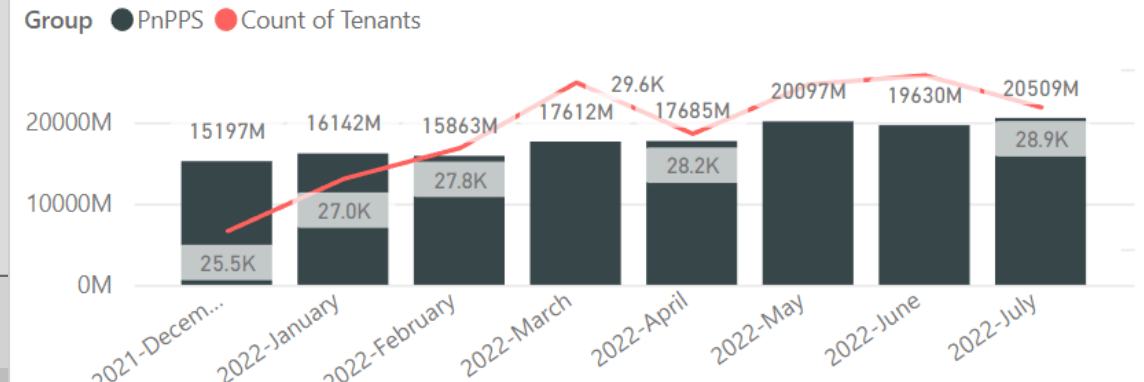
- 2.7 million downloads!
- 100 million cmdlets executed per day!!
- Docs shifted, no more **docs.microsoft.com**
- Documentation, Articles and tips available at <https://pnp.github.io/powershell>
- Thinking of dropping support for PS 5, any strong objections ???
- PnP PS runs in **PS 5, PS 7, Azure CloudShell, Azure Functions, Azure Runbooks & Raspberry Pi**

### ▪ New Stuff

- 1.11.0 released, nightly builds continue, go check it out
- Minor documentation fixes, bug fixes and docs updates
- Anything you would like to have in here ?
- What next ? Would love to hear your thoughts !
- Release:

<https://github.com/pnp/powershell/releases/tag/v1.11.0>

~29.000  
monthly  
tenants!



[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

Open-source Yeoman generator for Microsoft Teams development





# yo teams

<https://aka.ms/yoteams>

43K

Totals Downloads

generator-teams – The Teams apps generator

V4 Released

Package Downloads

Docs published at <https://pnp.github.io/generator-teams/>

Latest release: 4.0.0 [2022-06-23]

- Added `1.13` manifest
- Added `1.12` manifest
- Added `m365DevPreview` manifest
- Added component documentation for configuration and scaffolding details
- [Breaking] Upgraded Team JS SDK to version 2.0 (promises based)**
- Updated all outdated references
- Manifest version 1.11 no longer selectable in scaffolding
- Default manifest version is 1.13
- Added a warning regarding Connectors not working with Teams JS SDK 2.0**
- Calling bot support removed
- Viva Connections Tab scaffolding removed
- Removed individual component README files (available in Yo Teams docs)
- Fixed issue with telemetry timeout at the end of scaffolding

yoteams-build-core

Latest release: 1.7.0 [2022-06-23]

- Added support for Schema 1.13.
- Requires Node 14 or later
- Dependency package updates
- Fixed issue with telemetry timeout at the end of scaffolding

Preview: n/a

Roadmap: ???

yoteams-deploy

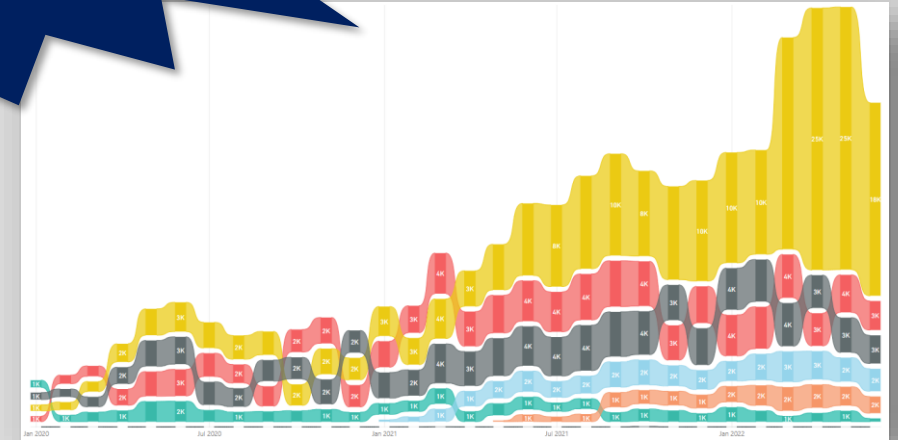
Latest release: 1.2.0 [2022-06-23]

- Requires Node 14 or later
- Dependency package updates

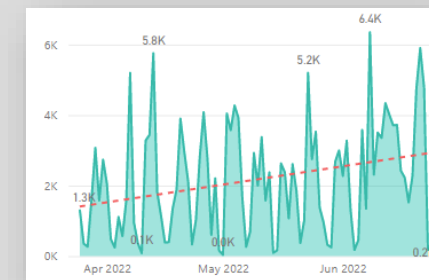
Preview: : n/a

Roadmap:

???



Daily build events



# Microsoft Graph Toolkit

Web Components powered by Microsoft Graph



# Microsoft Graph Toolkit

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

## What's new 🦋

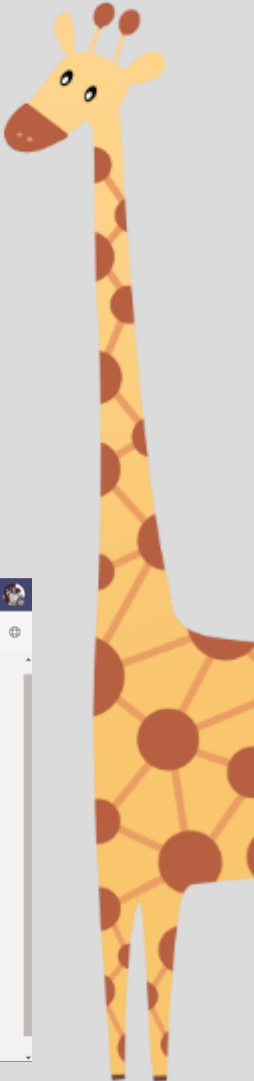
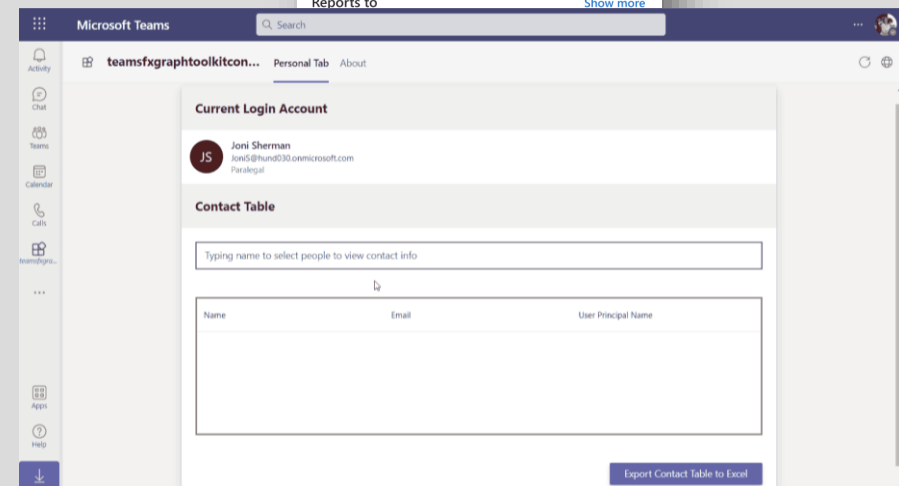
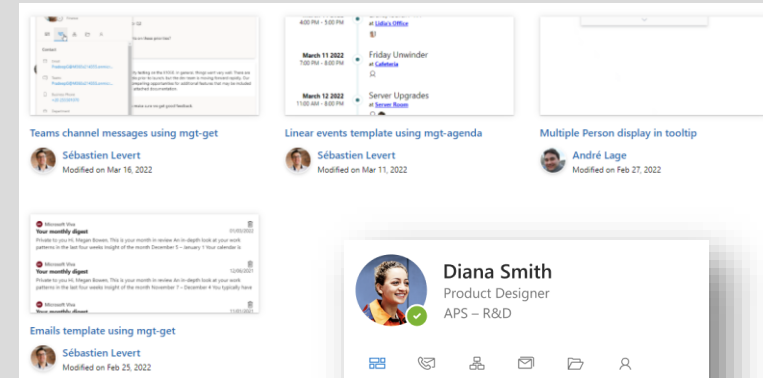
- V2.6.0 is our latest release! Update your packages! <https://aka.ms/mgt/v2.6.0>
  - Accessibility updates
  - Support for SPFx 1.15
  - Documentation on TeamsFx
  - Updates mgt-people-picker
  - Thanks @wuxiaojun514 for your contributions 🦋
- The MGT samples repository is live! Keep your contributions coming! <https://aka.ms/mgt/samples>

## What's next? 💻

- Aligning all Toolkit components to Fluent UI Web Components
- More generic components and theming capabilities

## We need your help ❤️

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





# Independent Publisher Connectors

## What's new

- 53 Awesome Independent Publishers!
- 166 Independent Publisher connectors!
- Updates to existing connectors:
  - **Troy Taylor**- Square Business
  - **Troy Taylor**- Square Payments

## 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

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

Site now has **164 scenarios** and **249 scripts**, using Microsoft Graph, CLI for Microsoft 365, PnP PowerShell, SPO Management Shell tooling and more... 😊 AND samples integrated into "**Unified**" Solution Gallery

**Awesome** 🤖 😊 🧠 🙌 **Samples Include :**

## *New scenario using PnP PowerShell*

- Export checked-out files in all sites associated with a hub site to CSV by **Arash Aghajani**
- Restore large number of items from SharePoint Recycle bin in bulk by **Paul Matthews**
- Request Reindex of SharePoint User Profile Properties by **Todd Klindt**
- Create a SharePoint site using the configuration of another site by **Lewis Baybutt**
- Bulk Publish Syntex Models To Libraries by **Leon Armston**
- Update web part properties on modern pages by **Ramin Ahmadi**

## *New scenarios using CLI for Microsoft 365 Scripts*

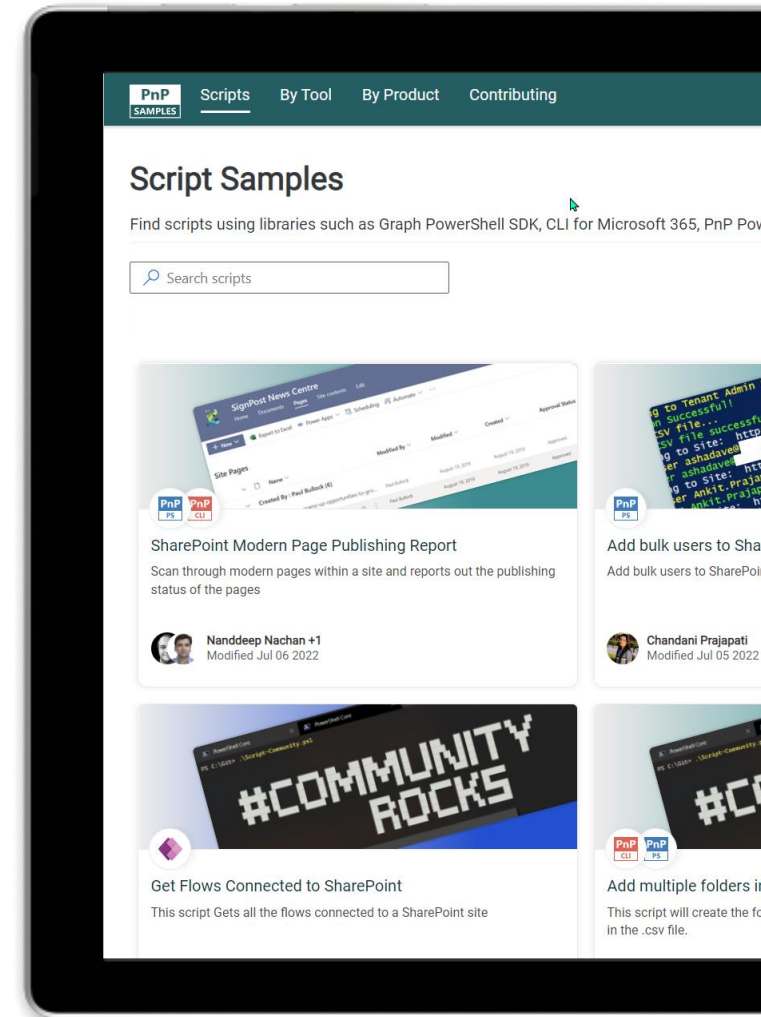
- Get Azure AD app permission info by **Michaël Maillot**

## *Updated Scenarios with PnP PowerShell Scripts*

- Add a document library web part to a page by **Todd Klindt**
- Request Reindex of SharePoint User Profile Properties by **Todd Klindt**
- Copy Planner Plan by **Reshmee Auckloo**

**Site Feature:** Now filter scripts used for security and permissions

Thank you for your samples and contributions – your awesome and happy summer holidays!



aka.ms/script-samples



# Microsoft Teams Samples

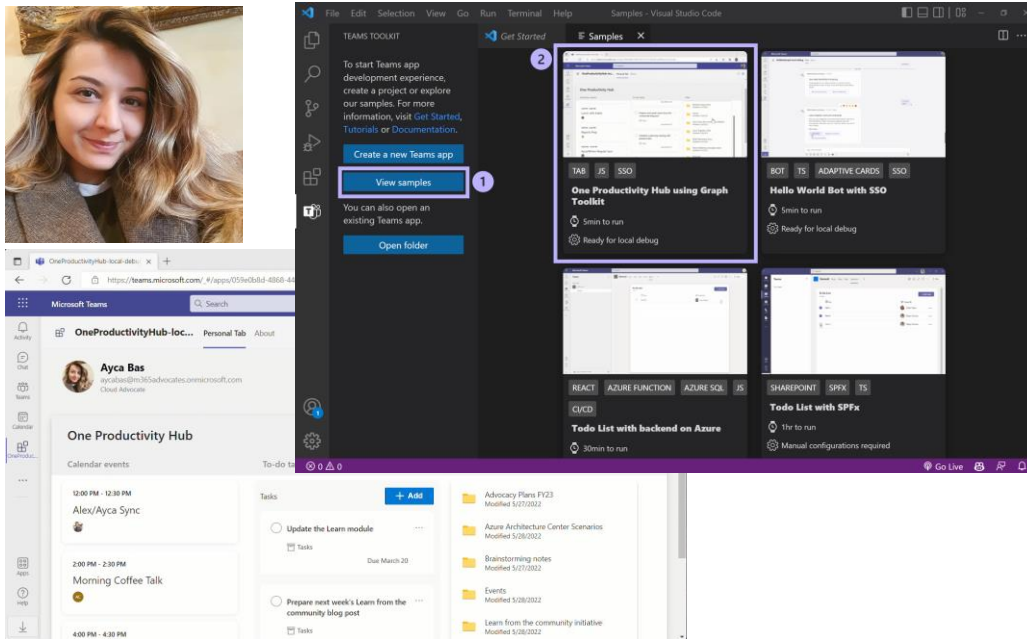


Please check out all the samples!

<https://aka.ms/m365-samples>

<https://aka.ms/teams-samples>

## New Teams Toolkit sample

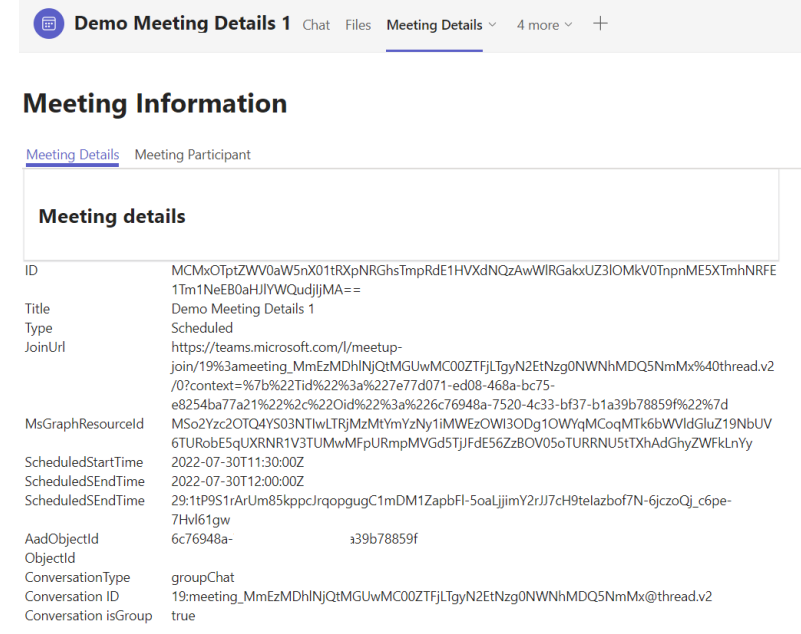
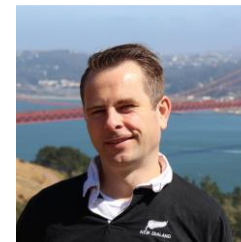


One Productivity Hub - view calendar, to-do tasks and files using Microsoft Graph Toolkit components and TeamsFx Provider

Ayca Bas @aycabs

<https://aka.ms/teamsfx-one-productivity-hus>

## Teams Meeting Details



Teams Meeting Details – shows how to use a bot to obtain details about the current meeting and participant

Markus Möller @Moeller2\_0

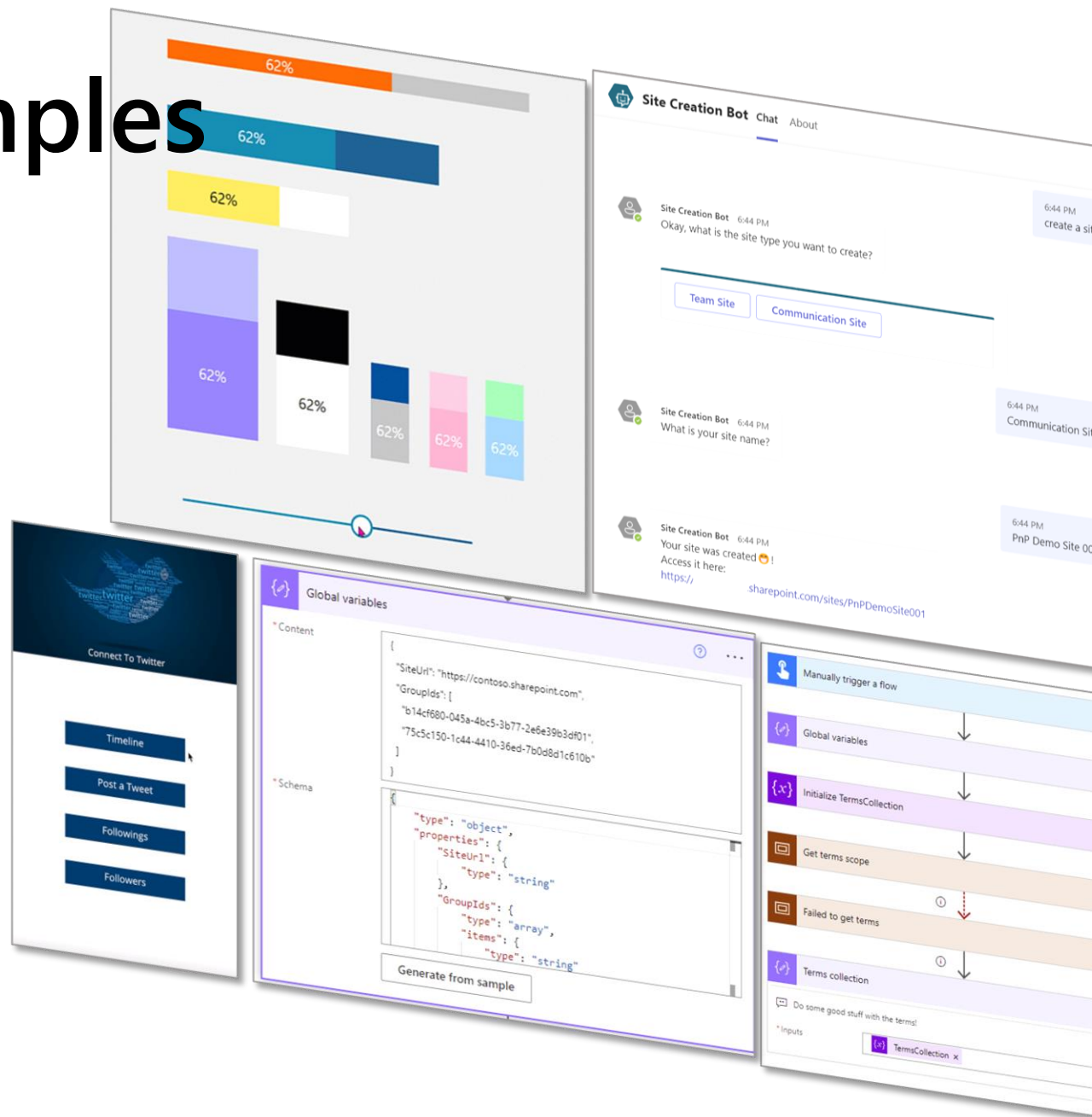
<https://aka.ms/tab-meeting-details>



# Power Platform Samples

## New:

- Progress-Bar Components  
**Luise Freese** | @LuiseFreese
- Twitter Connection  
**Lama Alluwaymi** | Lama-alluwaymi
- Get terms from Term Store  
**Ramin Ahmadi** | @raminahmadi1986
- SharePoint Site Creation Bot  
**Michel Mendes** | @michelcarlo



# 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



- Independent Publisher Connectors - RegEx Matching Demo  
– Mitanshu Garg



- List Formatting Magic - Data and Time formatting options  
– Chris Kent

# Thank you

Recording will be available in 24 hours on  
Microsoft 365 Community (PnP) YouTube channel

<https://aka.ms/m365/videos>

*(subscribe today)*

Follow us on Twitter

[@Microsoft365Dev](#) | [@M365PnP](#)

Next M365 General Dev call: **September 1<sup>st</sup> at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **August 25<sup>th</sup> at 07:00am PT**

See all other community calls from <https://aka.ms/m365/calls>





Thank you