



Your host in this call:  
David Warner (Microsoft)

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

July 7<sup>th</sup>, 2022



# Agenda

- Latest on PnP Framework and Core SDK extension
- Latest on PnP PowerShell
- Latest on yo Teams
- 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!**
- **Clément Olivier** - Independent Publishing Connectors  
- Mailjet Demo
- **Pankaj Surti** - How Microsoft Graph "Sites.Selected" work for granular permissions in SharePoint Online
- **Chris Kent** - List Formatting – Warrior Horse Return



# Opportunities to Participate in the community

Demo solution  
or technical  
pattern

Contribute on  
GitHub

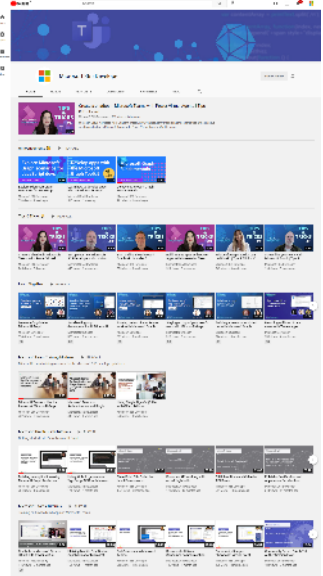
Provide  
feedback

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>

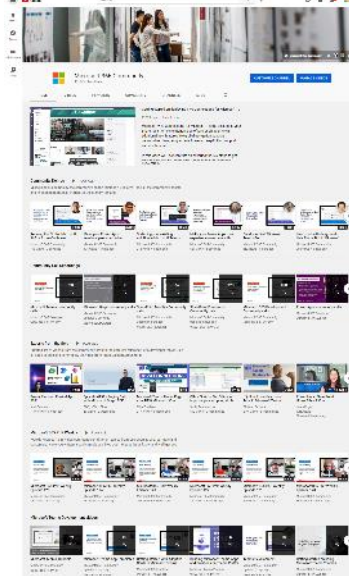


## Microsoft 365 developer videos



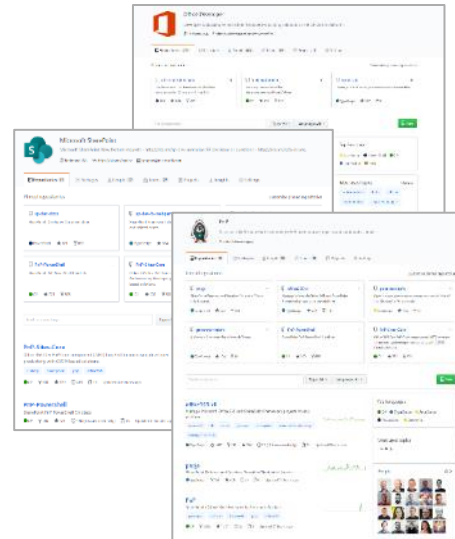
[aka.ms/m365devyoutube](https://aka.ms/m365devyoutube)

## Microsoft 365 community videos



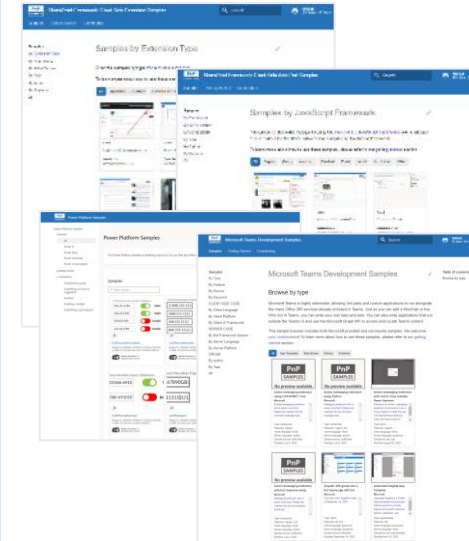
[aka.ms/m365pnp/videos](https://aka.ms/m365pnp/videos)

## 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)

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

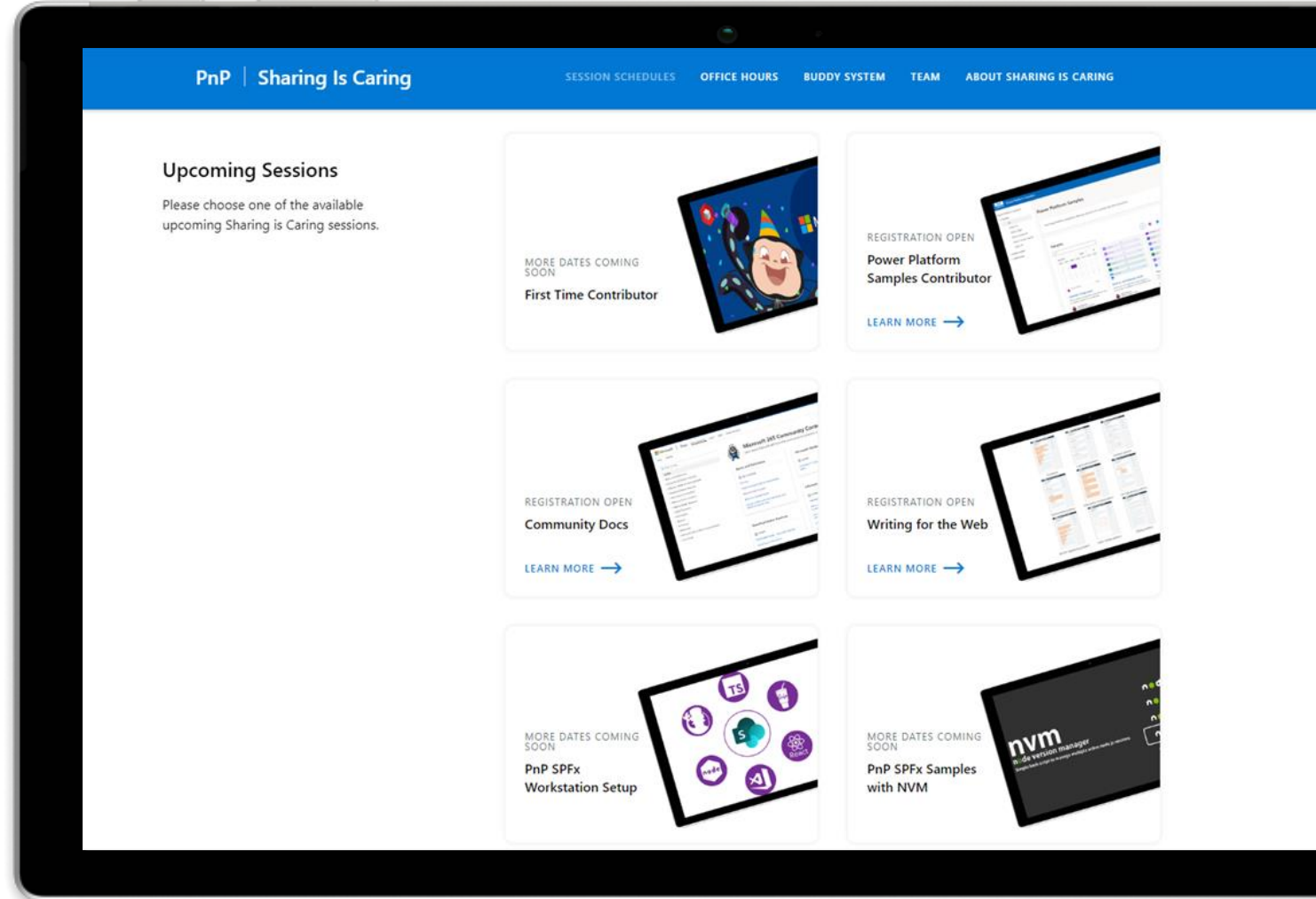
Learn how to get started in the open-source PnP community!

## 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**

**Next Week!!**

**Power Platform – Power Pages**



<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

## PnP Framework

- 615,000 downloads!
- Version 1.10.0 released!
  - Merge pending PRs
  - General fixes and improvements: Gautam Sheth and Koen Zomers
- § Prepping 1.11.0 (**after summer break**):

## PnP Core SDK

- 820,000 downloads!
- Version 1.7.0 released!
  - Content Type hub support, file conversions and embeddable preview links : Mathijs Verbeeck
  - Support for link unfurling, site and file analytics: Bert Jansen
  - Fixes and improvements: Bert Jansen
- Prepping for 1.8.0 (**after summer break**)

What key scenarios are still missing?

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

Roadmap



[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)

PnP CORE SDK

Using the SDK / SDK basics / Getting started

### 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/pnpsdk>. You can find the code in the `src/sdk` folder.

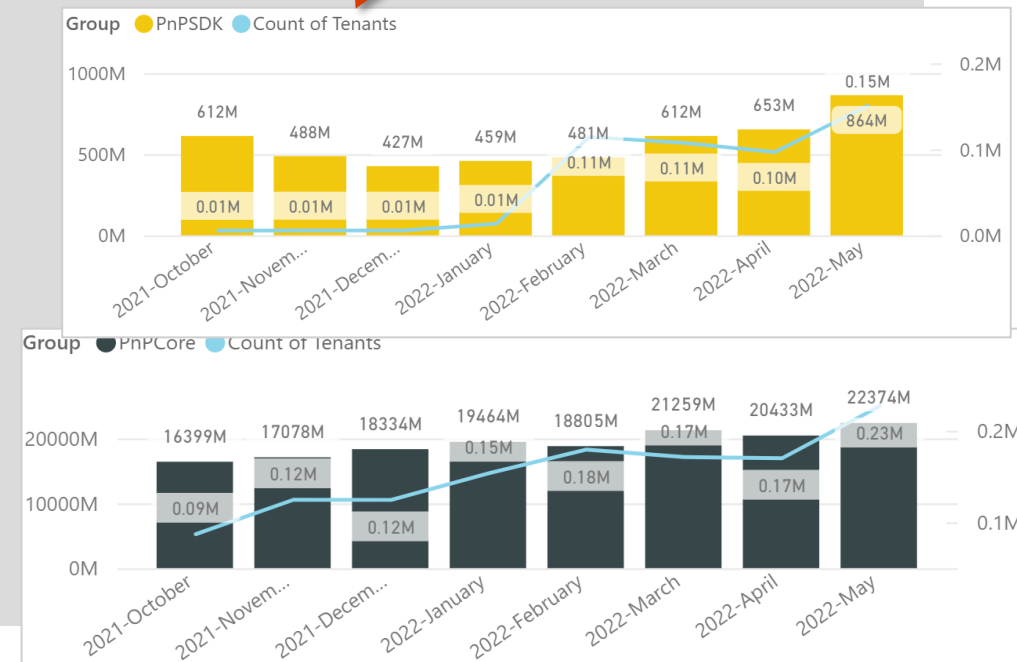
- The code of the PnP Core SDK in the `src/sdk` folder
- Examples of how to use the PnP Core SDK in the `src/samples` folder
- The source of the documentation you are reading right now

#### Referencing the PnP Core SDK

The recommended approach is to use the PnP Core SDK as a NuGet package in your project.

Where is the code?  
Referencing the PnP Core SDK in your project  
Configuring the needed services  
Obtaining a `PnPContext`  
Using the `PnPContext` for operations on Microsoft 365

>220.000 tenants!



# 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, summer break

Many updates, improvements and fixes!

- 2.4 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**

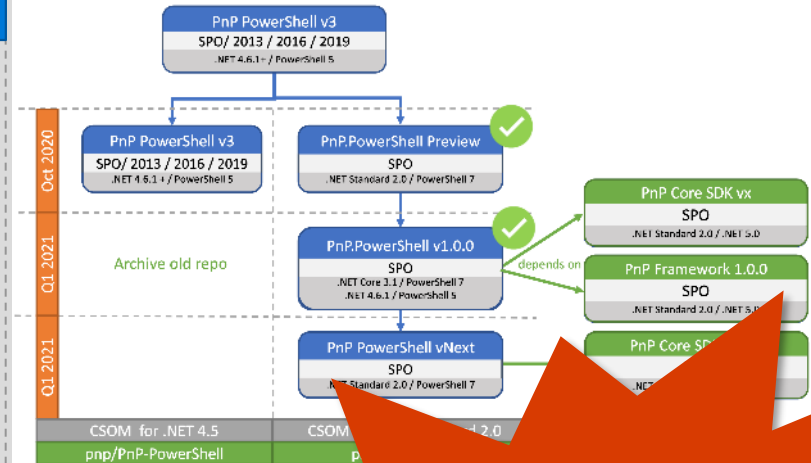
### ▪ New Stuff

- 1.11.0 released, go check it out
- Minor documentation fixes and docs updates
- What next ? Would love to hear your thoughts !
- Release:

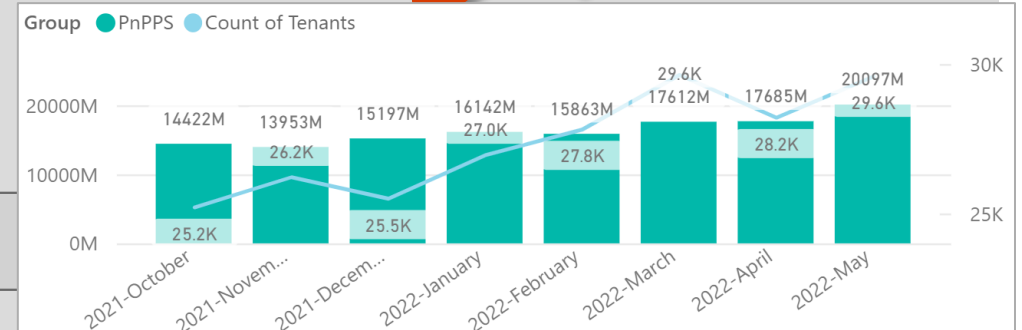
<https://github.com/pnp/powershell/releases/tag/v1.11.0>

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

gallery.com  
erShell



>29.500  
tenants!



# 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

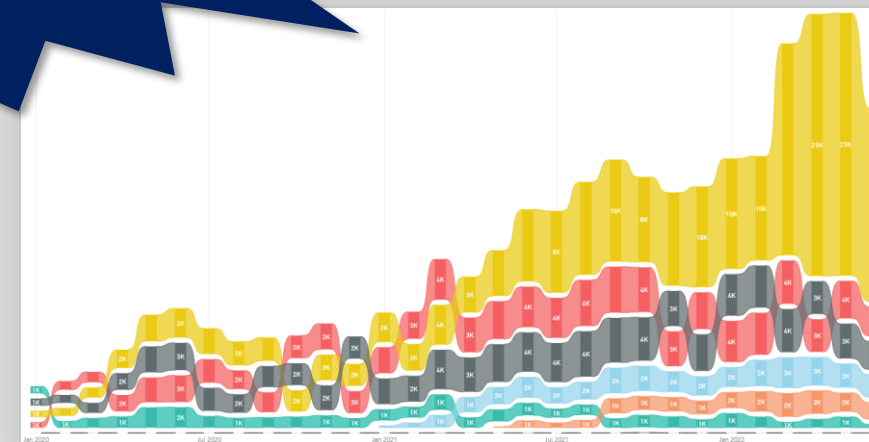
Latest release: 1.2.0 [2022-06-23]

- Requires Node 14 or later
- Dependency package updates

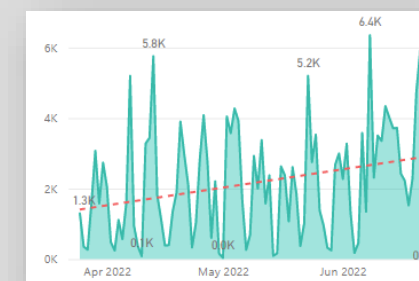
Preview: : n/a

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

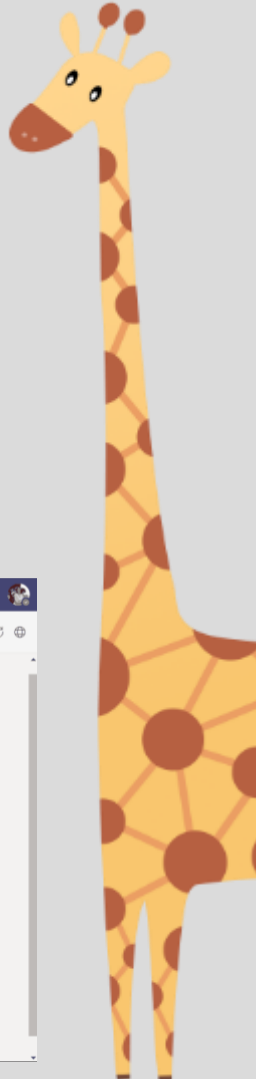
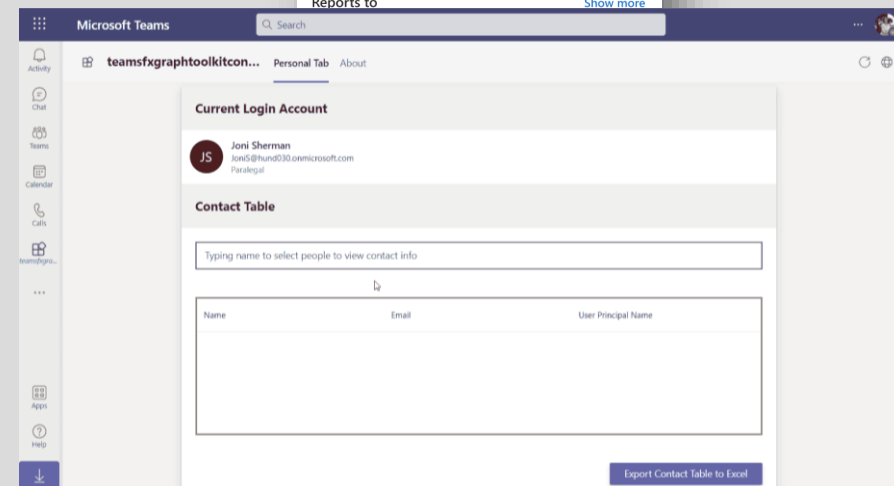
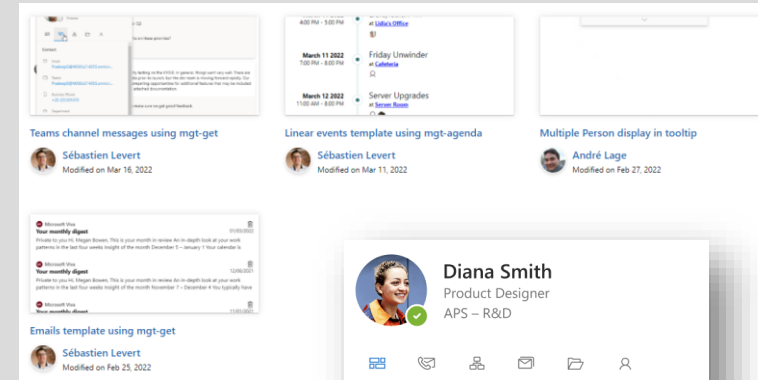
- The MGT samples repository is now LIVE! <https://aka.ms/mgt/samples>
- v2.5.2 is our latest release! Update your packages!  
<https://aka.ms/mgt/v2.5.2>
  - Updates to our Msal2 and Teams providers
  - GA release of our TeamsFx provider
  - Thanks @jocsch, @stniemin and @estrufy for your contributions 
- Our playground is now a PWA! Have a look <https://aka.ms/mgt/dev>

## What's next?

- Our 2.6.0 is coming very soon! Try it now! `npm i @microsoft/mgt@next`
  - Updates to our accessibility guidelines
  - SPFx 1.15 supported for our mgt-spfx package
  - Bug fixes
- Aligning all Toolkit components to Fluent UI Web Components
- More generic components and theming capabilities

## 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

- **50 Awesome Independent Publishers!**
- **147 Independent Publisher connectors!**
- **15 New connectors:**
  - **Troy Taylor**- Easyship
  - **Troy Taylor**- DadJokesIO
  - **Troy Taylor**- CarbonFootprint
  - **Troy Taylor**- Givebutter
  - **Woong Choi**- DHL Shipment Tracking
- **1 Update to existing connectors:**
  - **Mitanshu Garg**- RegEx Matching



## We need your help

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



# SCRIPT SAMPLES

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

Site now has **155 scenarios** and **237 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*

- Add bulk users to SharePoint site groups from CSV by **Chandani Prajapati**

### *New scenarios using Power App PowerShell SDK*

- Get Flows Connected to SharePoint by **Russell Gove**

### *Updated Scenarios with CLI for Microsoft 365 Scripts*

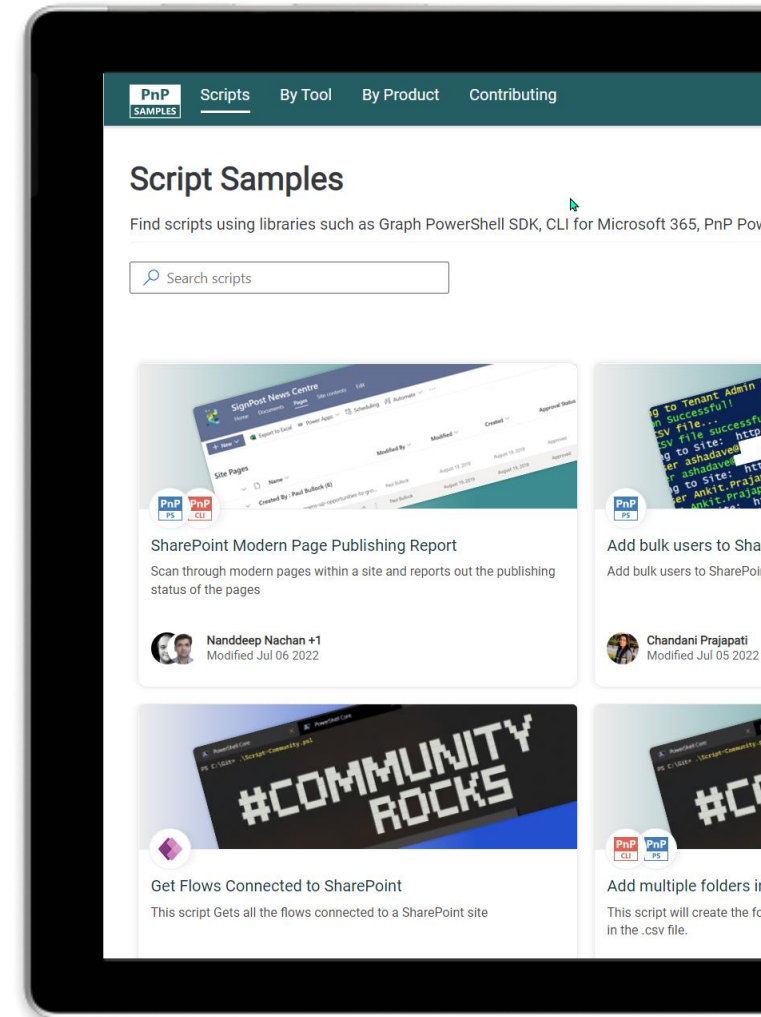
- Planner migration to SharePoint list By **Jasey Waegebaert**
- SharePoint Modern Page Publishing Report by **Nanddeep Nachan**
- Multiple Samples update – m365 connection check By **Jasey Waegebaert**
- Copy Planner plan by **Milan Holemans**
- Copy library view to another library(ies) by **Reshmee Auckloo**

### *Updated Scenarios with PnP PowerShell Scripts*

- Add multiple folders in libraries using a CSV file by **Jiten Palmer**

We have **good first issue** in the GitHub Repo with sample ideas of scripts you could write – thank you **Adam Wójcik!** <https://github.com/pnp/script-samples>

Thank you for your samples and contributions! 🙌



[aka.ms/script-samples](https://aka.ms/script-samples)

# Microsoft Teams Samples

**Thank You Community!**



Got a cool Teams app to share?  
Please contribute – or make  
use of the samples yourself!

All the samples are at  
<https://aka.ms/m365-samples>





Teams samples w/filtering  
<https://aka.ms/teams-samples>



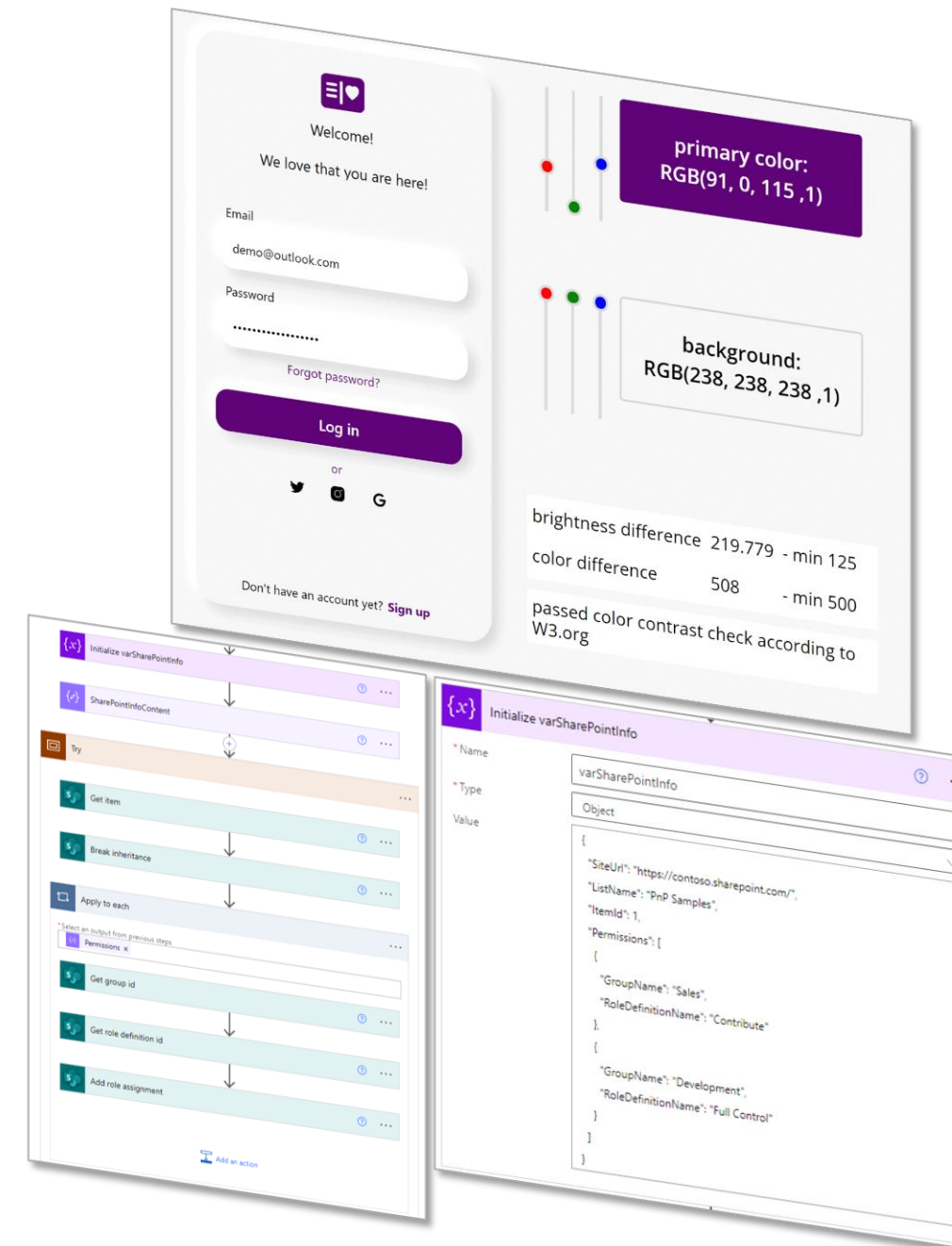


# Power Platform Samples

## New:

-  Accessibility color checker   
**Luise Freese** | @LuiseFreese
-  Power Automate – Set SharePoint item level permissions   
**Ramin Ahmadi** | @raminahmadi1986

Join the Power Platform Contributors  
Sharing is Caring Session – July 20th

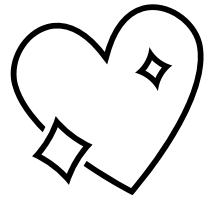


[aka.ms/powerplatform-samples](https://aka.ms/powerplatform-samples)

# 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

- Independent Publishing Connectors
  - Mailjet Demo
  - Clément Olivier
- How Microsoft Graph "Sites.Selected" work for granular permissions in SharePoint Online
  - Pankaj Surti
- List Formatting - Warrior Horse Return
  - 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: **July 21<sup>st</sup> at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **July 14<sup>th</sup> at 07:00am PT**

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





Thank you