



Your host in this call:
David Warner (Microsoft)

Microsoft 365 & Power Platform Development – Bi-weekly call

June 23rd, 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!**
- **André Lage** - List Formatting - Tab and Percentage Chart
- **Federico Sapia** - Keep track of your activities with Microsoft Lists and Power Automate
- **Sohil Bhalla** - Build your own Microsoft Teams using Microsoft Graph Toolkit and .NET Core API and Integrate using Web Components



Opportunities to Participate in the community

Demo solution
or technical
pattern

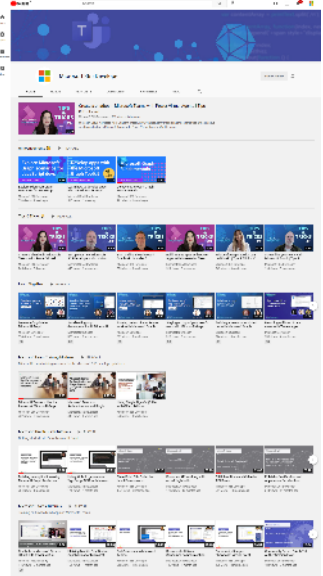
Contribute on
GitHub

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.

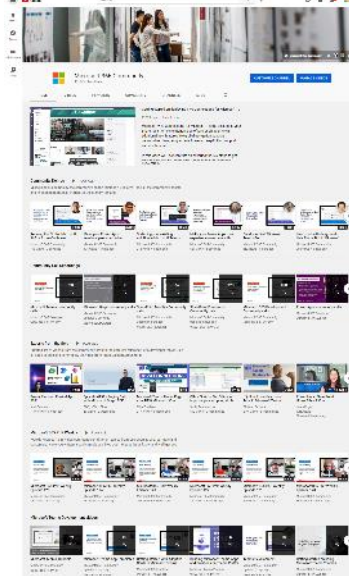
Request a demo spot on the call
<https://aka.ms/m365pnp/request/demo>

Microsoft 365 developer videos



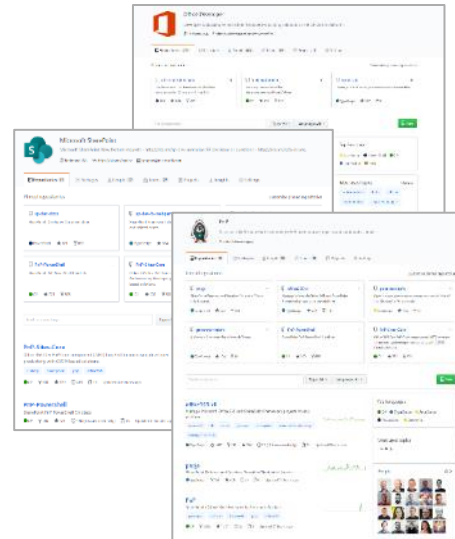
aka.ms/m365devyoutube

Microsoft 365 community videos



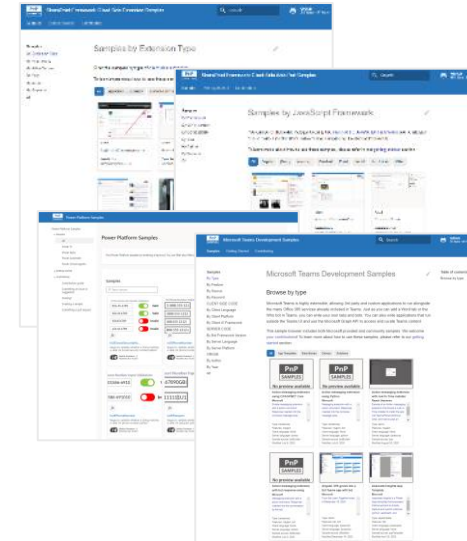
aka.ms/m365pnp/videos

Open-source



github.com/sharepoint
github.com/pnp
github.com/officedev
github.com/microsoftgraph

Sample galleries



aka.ms/m365/samples
aka.ms/teams-samples
aka.ms/spfx-webparts
aka.ms/powerplatform-samples
aka.ms/spfx-extensions
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>

→ (Notice. This call is on a summer break between July 1st and 31st 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>

AGENDA

Microsoft 365 platform call 28th of June @ 8 AM PT

Weekly call with Microsoft presenters covering the latest Microsoft 365 platform updates

Download recurrent invite from
<https://aka.ms/m365-dev-call>

Last call before
summer break
1st of July – 31st of August

- Latest news from Microsoft engineering on [Microsoft 365](#) topics
- Community together mode group photo
- **Rabeb Othmani** - Taking advantage of the Microsoft Graph postman collections
- **Geeta Ramakrishnan, Divyanka Malik, Malabika Roy** - Introduction on the Microsoft Viva Learning extensibility
- **Benjamin Olson** - Introduction to Virtual Appointment API



GUIDANCE

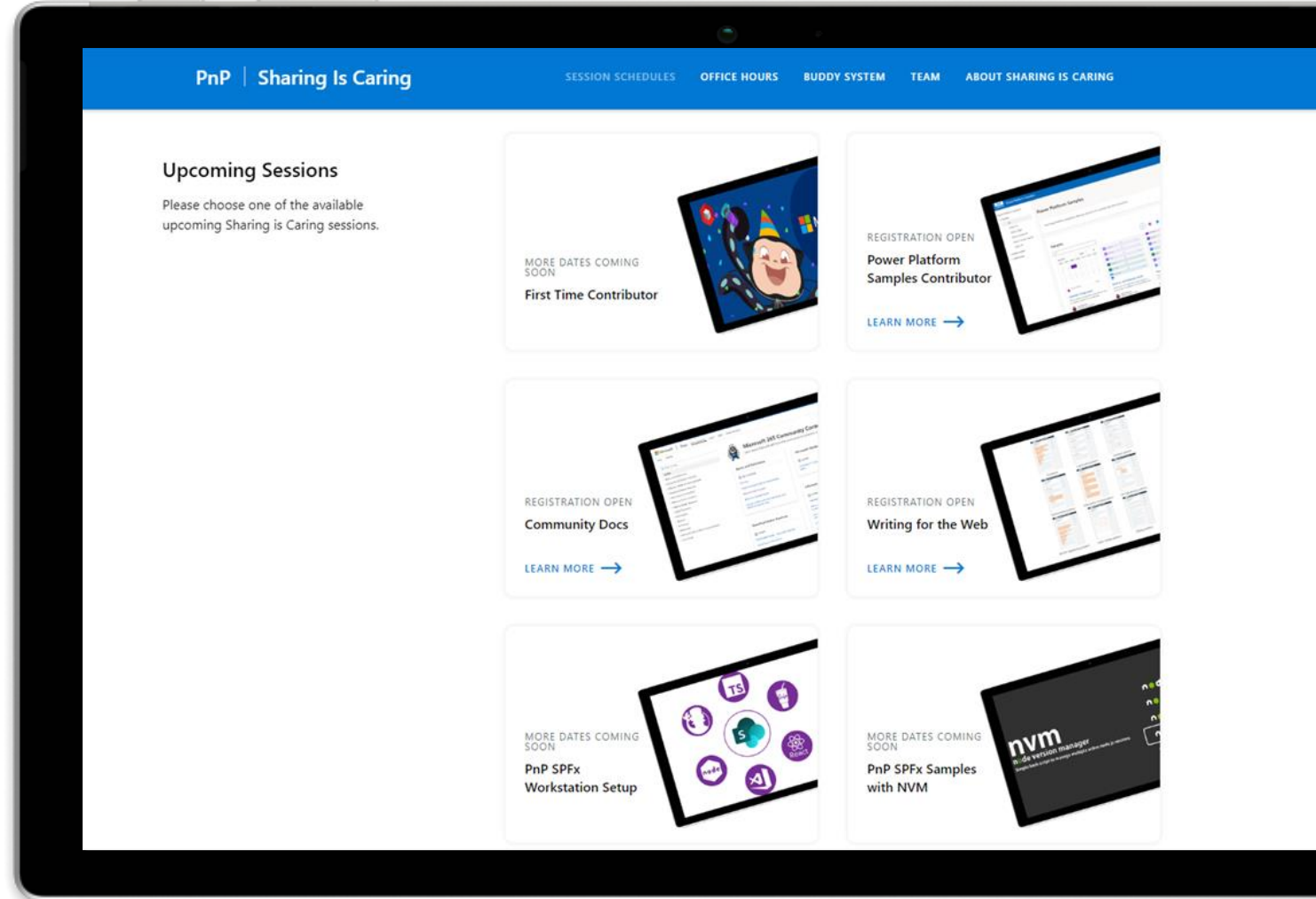
Learn how to get started in the open-source PnP community!

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**

JULY!! – New Date

Power Platform – Power Pages



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

COMMUNITY



PnP Recognition Program

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



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



PnP .NET libraries

Working on it

Roadmap

PnP Framework

- 589,000 downloads!
- Version 1.9.0 released!
- Prepping 1.10.0 (**next week!**):
 - Merge pending PRs
 - General fixes and improvements: Gautam Sheth and Koen Zomers

PnP Core SDK

- 788,000 downloads!
- Version 1.6.0 released!
- Prepping for 1.7.0 (**next week!**):
 - 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

What key scenarios are still missing?

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

nuget.org/profiles/pnp

aka.ms/pnp/framework

nuget.org/profiles/pnp

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.

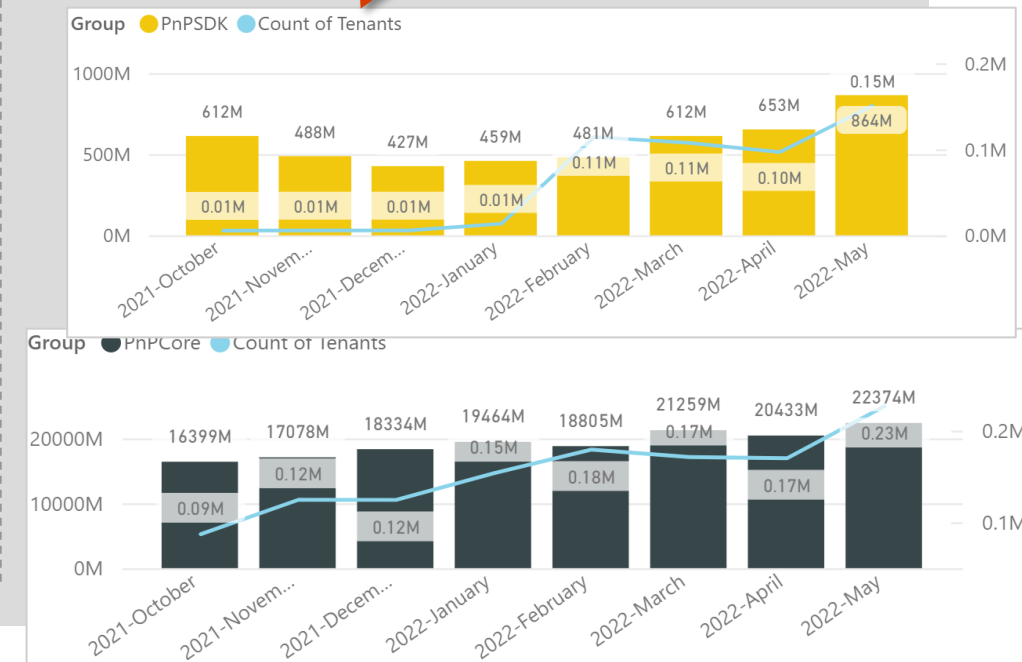
Where is the code?

The PnP Core SDK is maintained in the PnP GitHub repository: <https://github.com/pnp/pnpcore>. 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 `PnPContext` for operations on Microsoft 365.



PnP PowerShell

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



PnP PowerShell

Cross Platform PnP PowerShell

V1.10.0 released, 1.11 coming very soon !

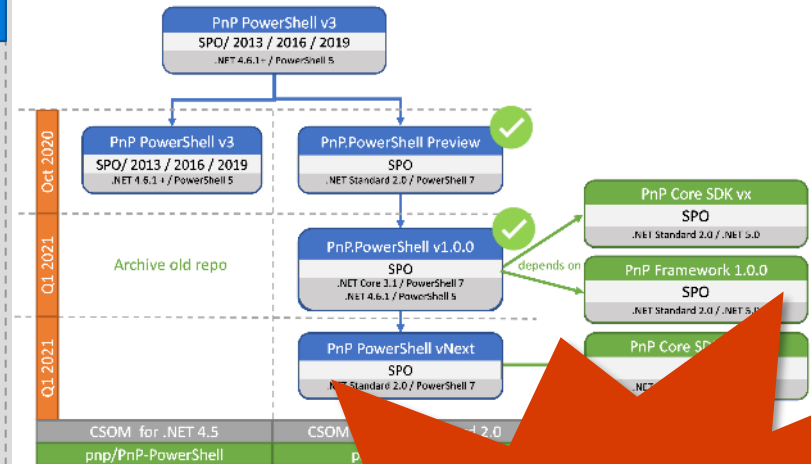
- Many updates and fixes!
- 2.3 million downloads!
- 100 million cmdlets executed per day!!
- Docs shifted, no more **docs.microsoft.com**
- Documentation, Articles and tips available at <https://pnp.github.io/powershell>
- Thinking of dropping support for PS 5, any strong objections
- PnP PS runs in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

▪ New Stuff

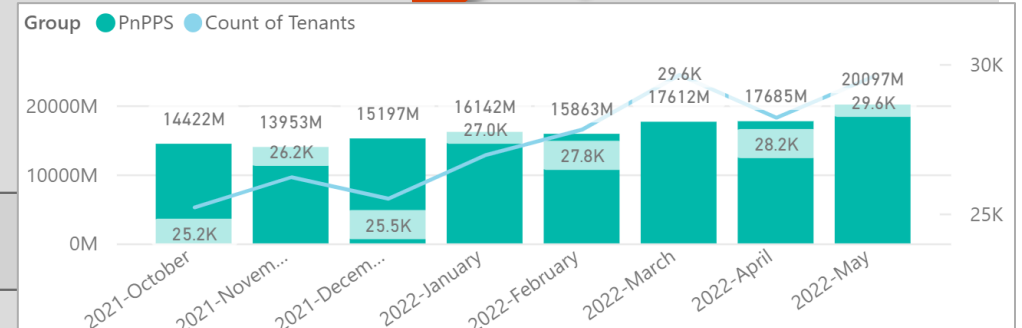
- Added **Add/Get/Delete-PnPListItemAttachment** for dealing with list item attachments
- Added **Get-PnPSensitivityLabel** to get Microsoft Purview sensitivity label values
- Added **Add-PnPViewsFromXML** to add list views from XML files .
- Added **Set-PnPContentType** to update content type properties.
- Improvements to **Connect-PnPOnline, Planner cmdlets**
- Bug fixes and improvements continue to **1.11** release.
- What next ? Would love to hear

<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

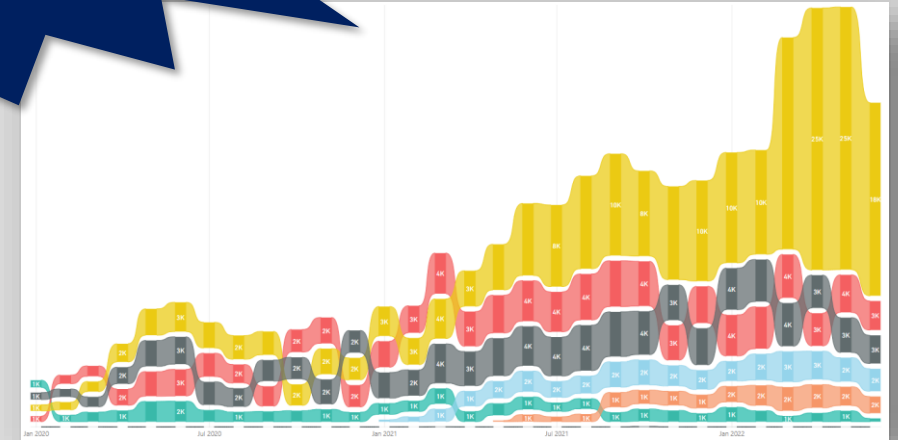
Latest release: 1.2.0 [2022-06-23]

- Requires Node 14 or later
- Dependency package updates

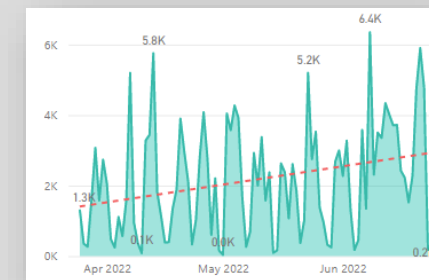
Preview: : n/a

Roadmap:

???



Daily build events



Microsoft Graph Toolkit


Web Components powered by Microsoft Graph



Microsoft Graph Toolkit

 More information: aka.ms/mgt



What's new

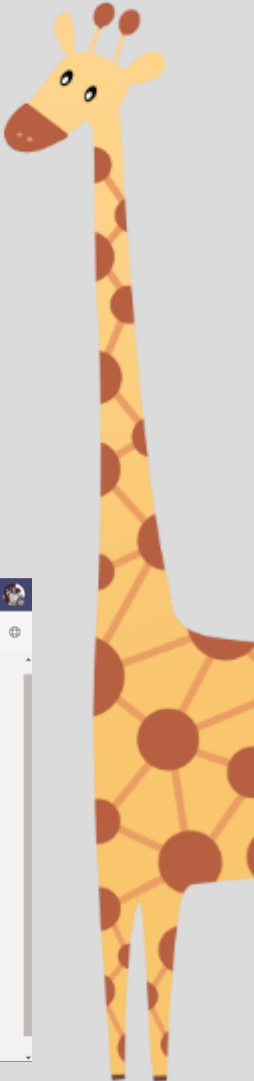
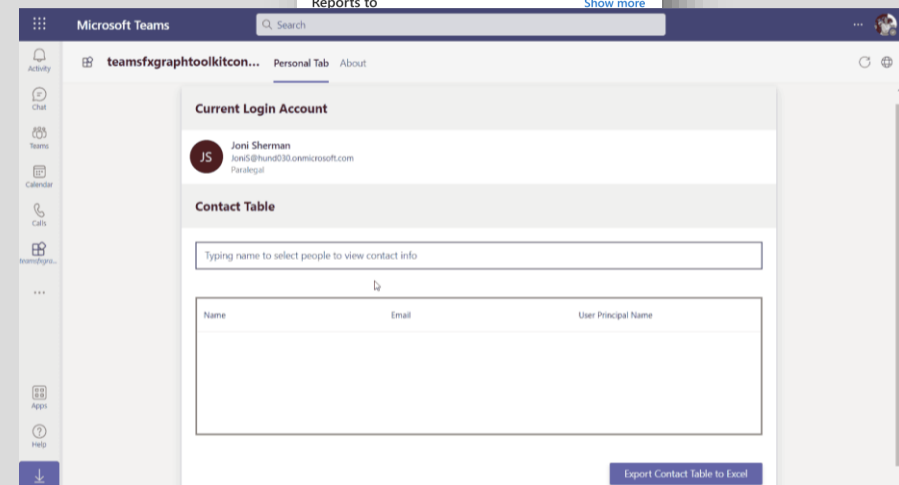
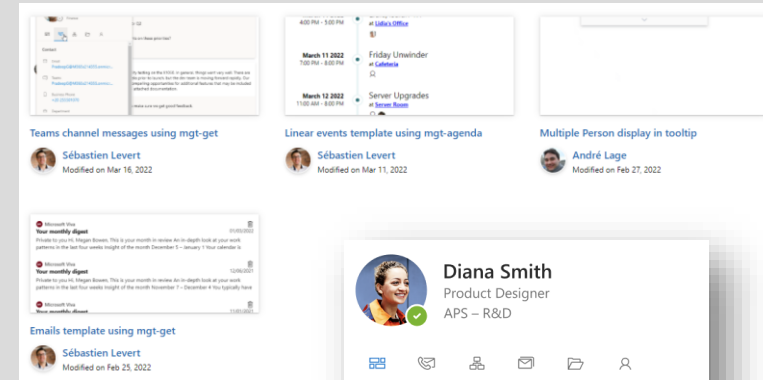
- The MGT samples repository is now LIVE! <https://aka.ms/mgt/samples>
- v2.5.2 was released! Update your packages! <https://aka.ms/mgt/v2.5.2>
 - Updates to our Msal2 and Teams providers
 - GA release of our TeamsFx provider
 - Thanks @jocsch, @stniemin and @estruf for your contributions 
- Our playground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

- **48 Awesome Independent Publishers!**
- **132 Independent Publisher connectors!**
- **4 New connectors:**
 - **Jay Jani**- MS Graph Groups and Users
 - **Mitanshu Garg**- RegEx Matching
 - **Troy Taylor**- Meme
 - **Troy Taylor**- Unofficial Netflix Search
- **1 Update to existing connectors:**
 - **Woong Choi**- GoQR (originally built by Rui Santos)



We need your help

- **Become an Independent Publisher by building one of these connectors:** [Top Connector Asks · microsoft/PowerPlatformConnectors Wiki \(github.com\)](#)
- **Attend the next Power Platform LABs call on June 29 at 11am ET at** [aka.ms/PowerPlatformIntegrationLABs](#)
 - Welcome to the Community that will fuel and empower your dream towards building integration solutions! From key connector topics, such as implementing webhook triggers, to gateways- our goal is to learn together, ask questions, & provide the tools and knowledge needed to build your next integration to the Power Platform.

SCRIPT SAMPLES

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

Site now has **153 scenarios** and **233 scripts**, using Microsoft Graph, CLI for Microsoft 365, PnP PowerShell, SPO Management Shell tooling and more... 😊 AND samples integrated into "**Unified**" Solution Gallery

Samples Include (Bumper 2nd Edition 🎉)

New scenarios using CLI for Microsoft

- Install Solution and Deploy to the SharePoint site by **Nanddeep Nachan**

Updated Scenarios with Power Apps PowerShell Scripts

- Add/Remove users (bulk from Power Apps from CSV file by **Luise Freese**

Updated Scenarios with CLI for Microsoft 365 Scripts

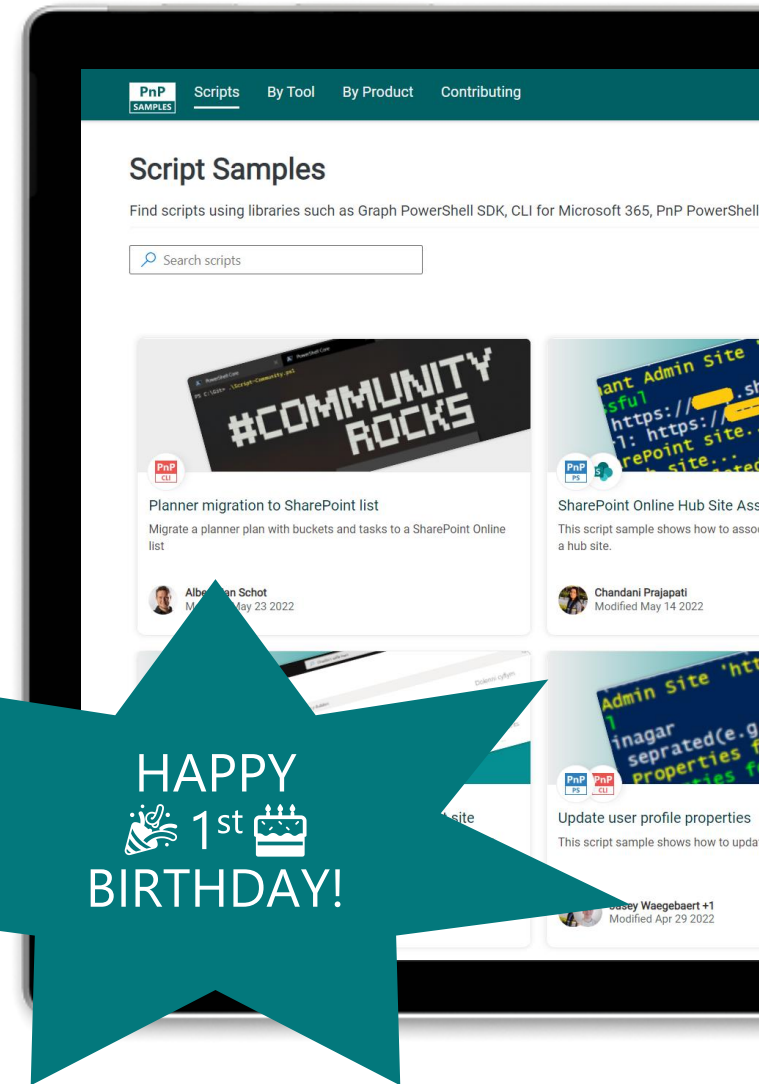
- Set Home site for SharePoint online tenant by **Smita Nachan**
- Bulk Create Teams with JSON File by **Nanddeep Nachan**
- Export SharePoint List Data to CSV with attachments by **Nanddeep Nachan**
- Create bulk dummy documents, including major/minor versions by **Mathijs Verbeeck**

Updated Scenarios with PnP PowerShell Scripts

- Delete custom color themes from SharePoint by **Leon Armston**
- Read SharePoint List Items Using CAML Query by **Jago Pauwels**

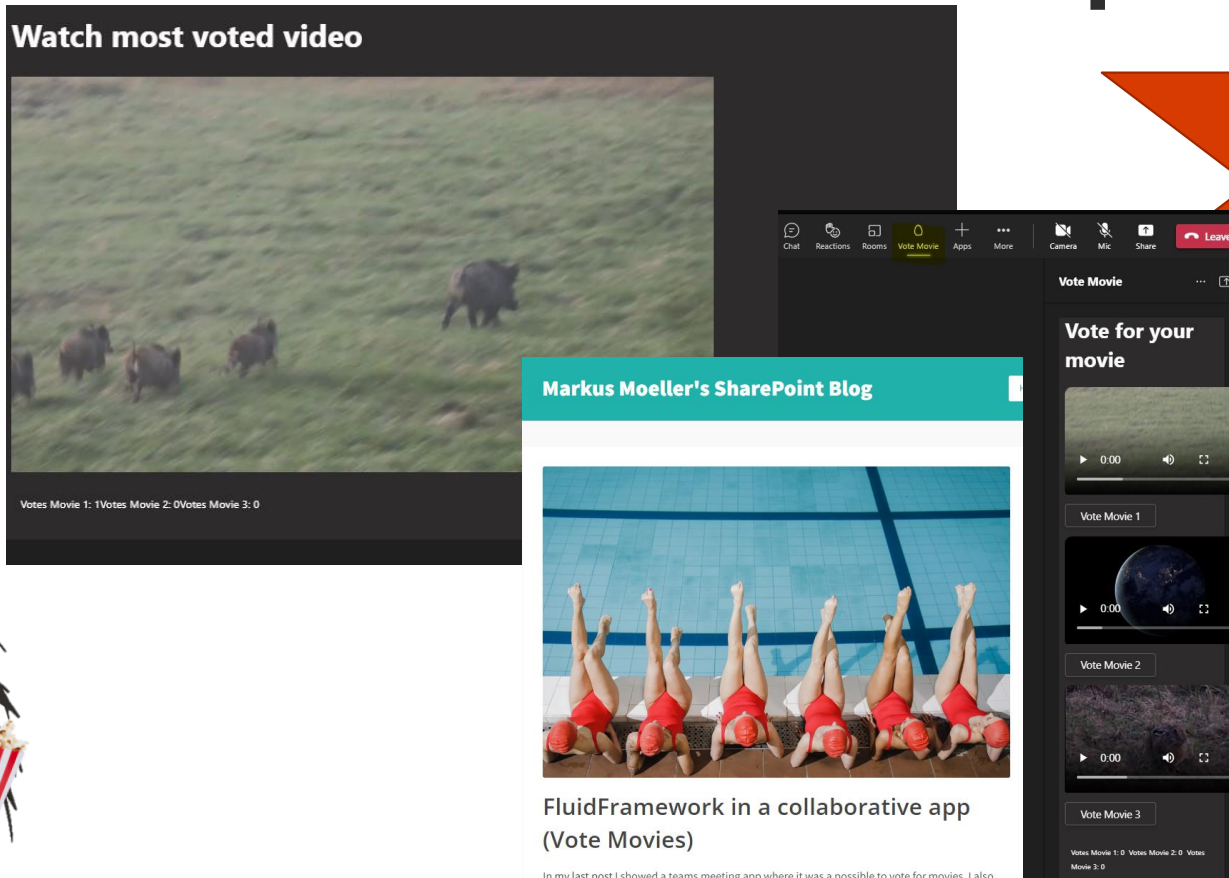
We have **good first issue** in the GitHub Repo with sample ideas of scripts you could write – thank you **Adam Wójcik!** <https://github.com/pnp/script-samples>

Thank you for your samples and contributions! 🙌



aka.ms/script-samples

Microsoft Teams Samples



Watch and vote for movies in a Teams meeting!

- Meeting app with sidebar and stage view
- Vote and watch movies together
- Uses Fluid Framework
- Detailed blog article <https://mmsharepoint.wordpress.com/>



<https://aka.ms/tab-meeting-stageview-vote-movie>

Many thanks to
Markus Moeller (@Moeller2_0)
for yet another amazing sample!

Check out all the samples!
<https://aka.ms/m365-samples>
Teams samples w/filtering
<https://aka.ms/teams-samples>





Power Platform Samples

aka.ms/powerplatform-samples

- Power Apps templates
- Power Apps components
- Power Apps connectors
- Power Fx Custom Functions
- Power Automate flow templates
- PowerBI
- Power Virtual Agents

TwoPoints

Calculate distance in unit of meter and compass heading.

Hiroaki Nagao
Modified Mar 06 2021

AddTopValue

Adds a value to a list of values ready to use in a drop down box. Returns a single column, named Result, table.

Laura GB
Modified Mar 05 2021

IsTime

Regex to validate time format [hh:mm:ss]/[hr:min:sec]/[mm:ss]/[ms]/[ss]/[s]

Geetha Sivasaiam +1
Modified Feb 28 2021

Custom Font Samples

177 custom font samples for Power Apps

Matthew Devaney
Modified May 12 2021

timer

Example of how to use the timer function as a stopwatch

Michael Roth
Modified May 03 2021

Expandable Navigation

This Canvas Application is an example for a expandable navigation using Fluent UI icons.

Luisse Freese
Modified Apr 25 2021

Tag Box

Contains a textbox that adds items into a dynamic list.

Carmen Ysewijn
Modified Apr 23 2021

Status Indicator

Shows how to add a status indicator in a display form.

Derek Cash-Peterson
Modified Feb 23 2021

chkContrast

Calculates the contrast between two colors

P3N
Modified May 07 2021

getLuminance

Calculates the relative luminance of linearized RGB colors

P3N
Modified May 07 2021

HexToDecimal

This function is used to convert hex to decimal.

Korune
Modified Mar 13 2021

ConvertUnit

Perform unit conversion for length.

Hiroaki Nagao
Modified Mar 06 2021

IsInCurrentDay

Checks if a date occurs within the current day

Matthew Devaney
Modified Feb 07 2021

IsLeapYear

Checks if a date belongs to a leap year

Matthew Devaney
Modified Feb 07 2021

IsUSPhoneNumber

Regex to validate whether a string matches a valid US phone number pattern

Geetha Sivasaiam +1
Modified Apr 17 2021

IsURL

Regex to validate whether a string matches a valid URL pattern

Geetha Sivasaiam +1
Modified Apr 17 2021

Join the Power Platform Contributors
Sharing is Caring Session – Wednesday June 29th

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

- List Formatting - Tab and Percentage Chart
– André Lage
- Keep track of your activities with Microsoft Lists and Power Automate
– Federico Sapia
- Build your own Microsoft Teams using Microsoft Graph Toolkit and .NET Core API and Integrate using Web Components
– Sohil Bhalla

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 7th at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **June 30th at 07:00am PT**

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



Thank you