

Microsoft 365 & Power Platform Development – Bi-weekly call

October 27th, 2022

Your host in this call:
David Warner (Microsoft)



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!**
- **Leon Armston** - Using Microsoft Syntex Bulk Content Assembly to automatically generate documents
- **Markus Möller** - Access Teams meeting details in a meeting app



Opportunities to Participate in the community

Demo solution
or technical
pattern

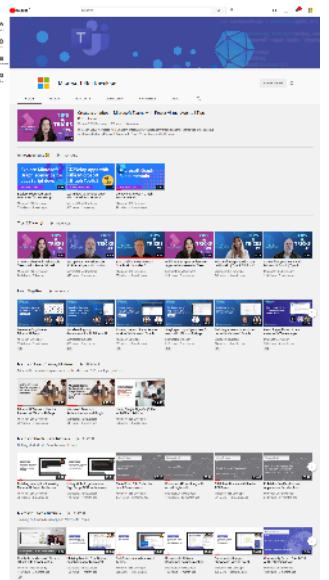
Contribute on
GitHub

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.

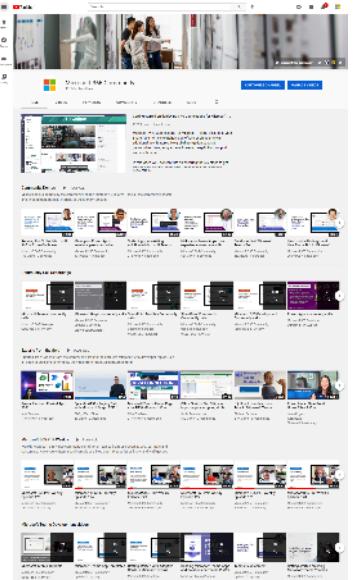
Request a demo spot on the call
<https://aka.ms/m365pnp/request/demo>

Microsoft 365 developer videos



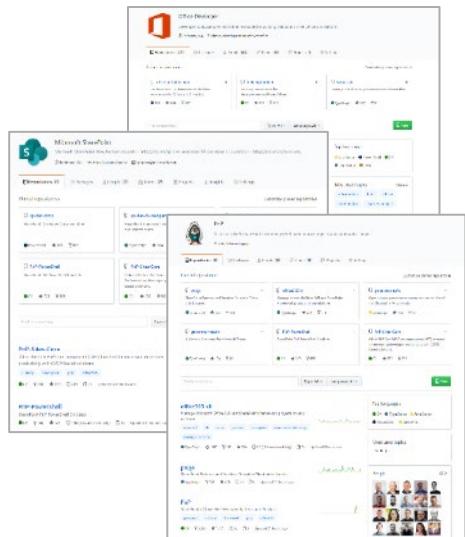
aka.ms/m365devyoutube

Microsoft 365 community videos



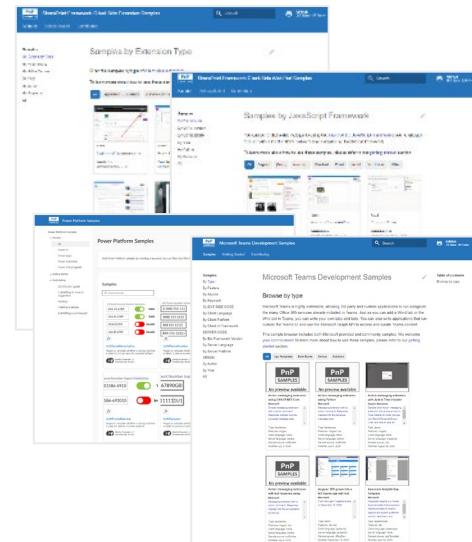
aka.ms/m365pnp/videos

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>

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>

Microsoft 365 platform call

1st of November @8 AM PT

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



- Latest news from Microsoft engineering on the [Microsoft 365](#) topics
- Community together mode group photo
- **Hugo Bernier** – Getting started with styling your Power Pages
- **DC Padur** – Introduction to new SharePoint Pages Microsoft Graph API
- **Waldek Mastykarz** – Find meeting times for multiple people on Microsoft 365

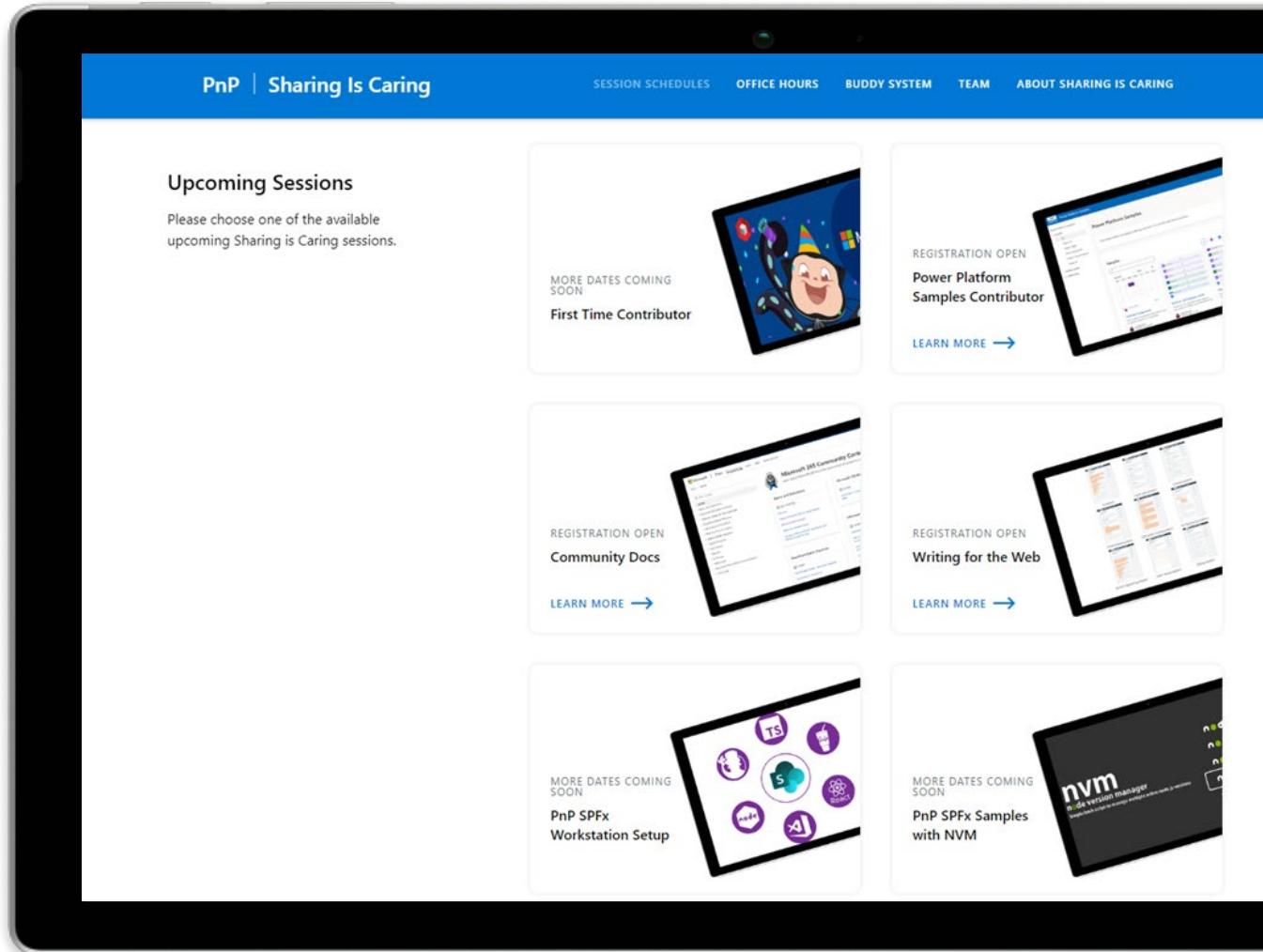
GUIDANCE

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

Sharing is Caring
Videos Coming Soon



<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>



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

- >832,000 downloads!
- Prepping 1.11.0 → next week!!
- Create PnPContext from ClientContext with existing IPnPContextFactory: Heinrich Ulbricht 🚀
- New PnP Provisioning Schema v. 202209 is now available in DEV branch and nightly builds:
 - Feedback welcome on GitHub repo (<https://github.com/pnp/PnP-Provisioning-Schema>)
 - Thank you Paolo Pialorsi and Paul Bullock 🚀

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

Roadmap



nuget.org/profiles/pnp



aka.ms/pnp/framework

PnP Core SDK

- >1,064,000 downloads!
- Prepping for 1.8.0 → next week!!
 - Make RichTextEditorInstanceld settable: Heinrich Ulbricht 🚀
 - Bug fixes: handling special chars in inline image captions

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
- Async 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 for its core services. This implies that before you can actually use the PnP Core SDK you need to configure your application to use the services. Once that's done you can obtain a `PnPContext` from the `PnPContextFactory` and start using it.

Where is the code?

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

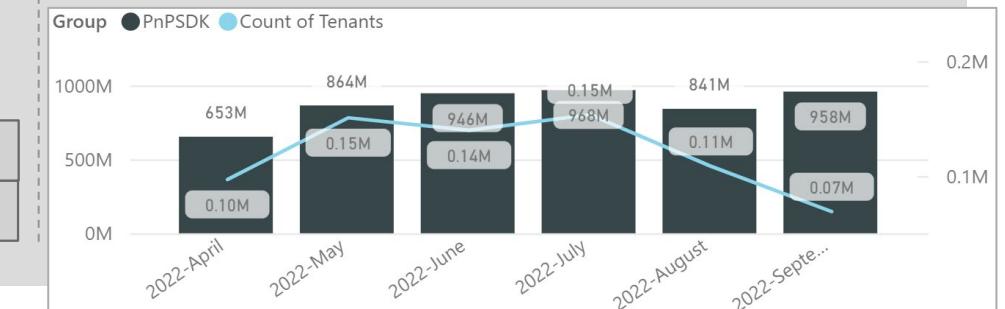
- The code of the PnP Core SDK in the `src\ sdk` folder
- Examples of how to use the PnP Core SDK in the `src\samples` folder
- The source of the documentation you are reading right now

Referencing the PnP Core SDK

The recommended way to reference the PnP Core SDK is via NuGet. You can do this by adding the following line to your project's `csproj` file:

`<ProjectReference Include="..\PnP Core SDK\src\ sdk\PnPContextFactory.csproj" />`

> 130.000 Tenants in a month!





PnP PowerShell



Working on it

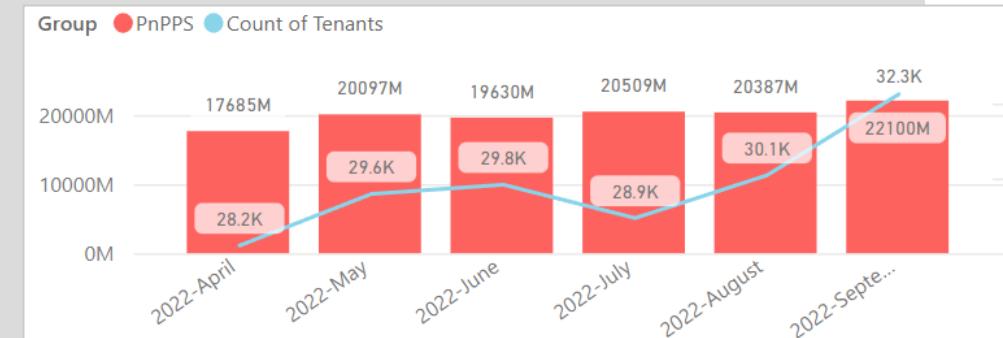
Cross Platform PnP PowerShell

- V1.11.0 released, 1.12.0 coming soon
- Many updates, improvements and fixes!
- 3.4 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

- Nightly builds continue
- Managed identity support for SharePoint related cmdlets
- Added **Get-PnPMicrosoft365ExpiringGroup** cmdlet
- Added **Set-PnPImageListColumn** cmdlet
- Added pagination for **Get-PnPRecycleBinItem** cmdlet
- Added Filter support for **Get-PnPAzureADApp** and **Get-PnPTeamsTeam** cmdlet
- Added **RestrictedAccessControl** support for **Set-PnPSite** and **Set-PnPTenant** cmdlets
- Improved **Set-PnPContentType** and **Remove-PnPSiteCollectionAppCatalog**
- Bug fixes and improvements continue
- What next, .NET 6.0 support ? Would love to hear your thoughts !

>32.000 tenants in a month!



<https://github.com/anoopt/PnP.PowerShell.Predictor>



github.com/pnp/powershell



www.powerShellgallery.com
PnP.PowerShell

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



yo teams

<https://aka.ms/yoteams>

46K

Totals Downloads



What's new 🎉

- yoteams-build-core v1.8.0 is out
 - Fix typing mistakes by **Robert Pocklington**
 - Update codeql-analysis.yml by **Rick Van Rousselt**
- Branch updates
 - We switched from **master** to **main**
 - Branch cleanups were done
- **Hacktoberfest** → contribute to yo teams

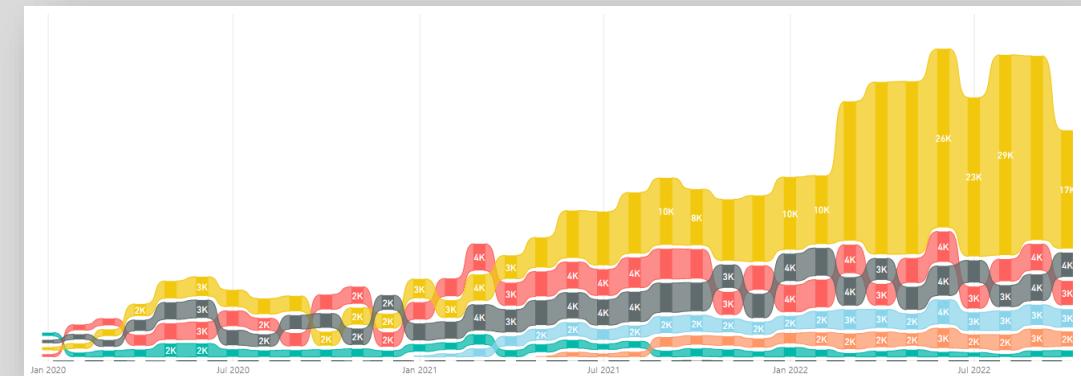
What's next? 💻

- 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

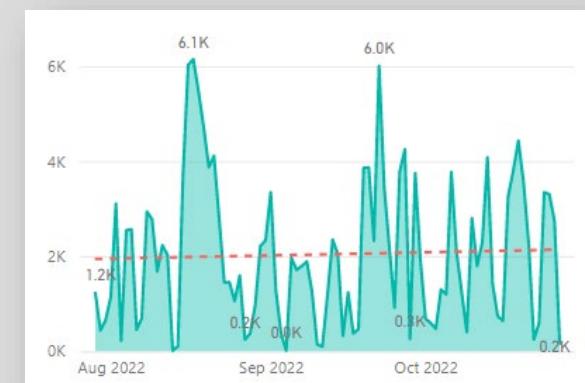
We need your help ❤️

- 🛠 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



What's new 🎉

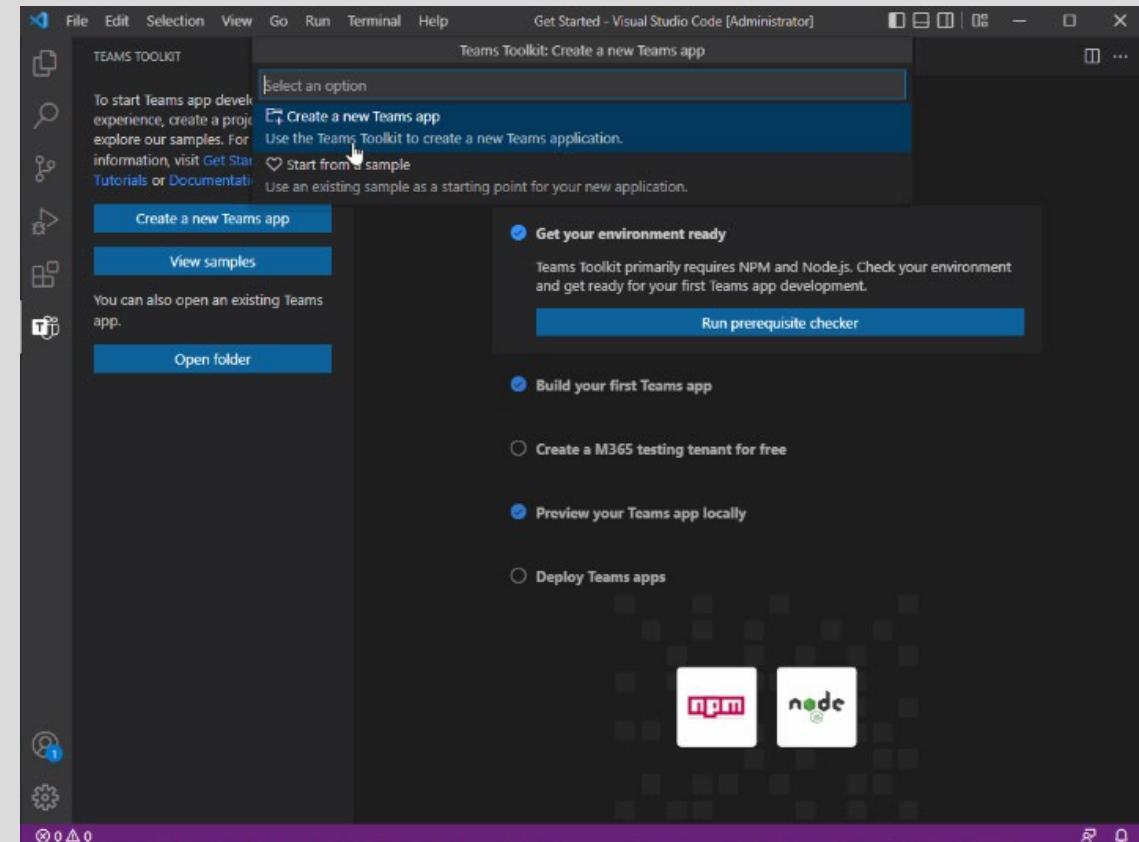
- Latest version currently is 4.1.0 – released 19th of October
- New samples available from <https://github.com/OfficeDev/TeamsFx-Samples>
 - We are working on getting them also surfaced from the centralized Microsoft 365 sample gallery at <https://aka.ms/m365/samples>
 - Alignment with the other Teams samples in progress
- Use the **new Workflow bot template** to create sequential workflows where Adaptive Cards Configure each step of the debugging experience in Teams Toolkit Use the new
- **Add SSO command** for a simple way to configure single sign-on for Message extension and Command bot projects.
- **SPFx** developers can now **combine web parts as a multi-Tab Teams app** using the Add Feature menu.

What's next? 📈

- Following preview version already out with new builds almost daily

We need your help

- 🛡 Share issue and bug findings at <https://github.com/OfficeDev/TeamsFx/issues>
- Provider us feedback to further improve the tooling – tell us what you need!



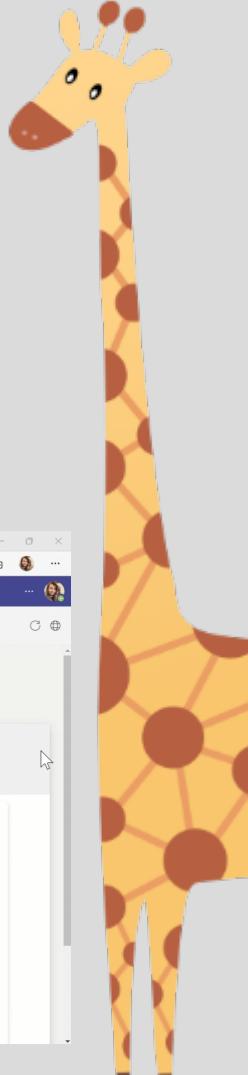
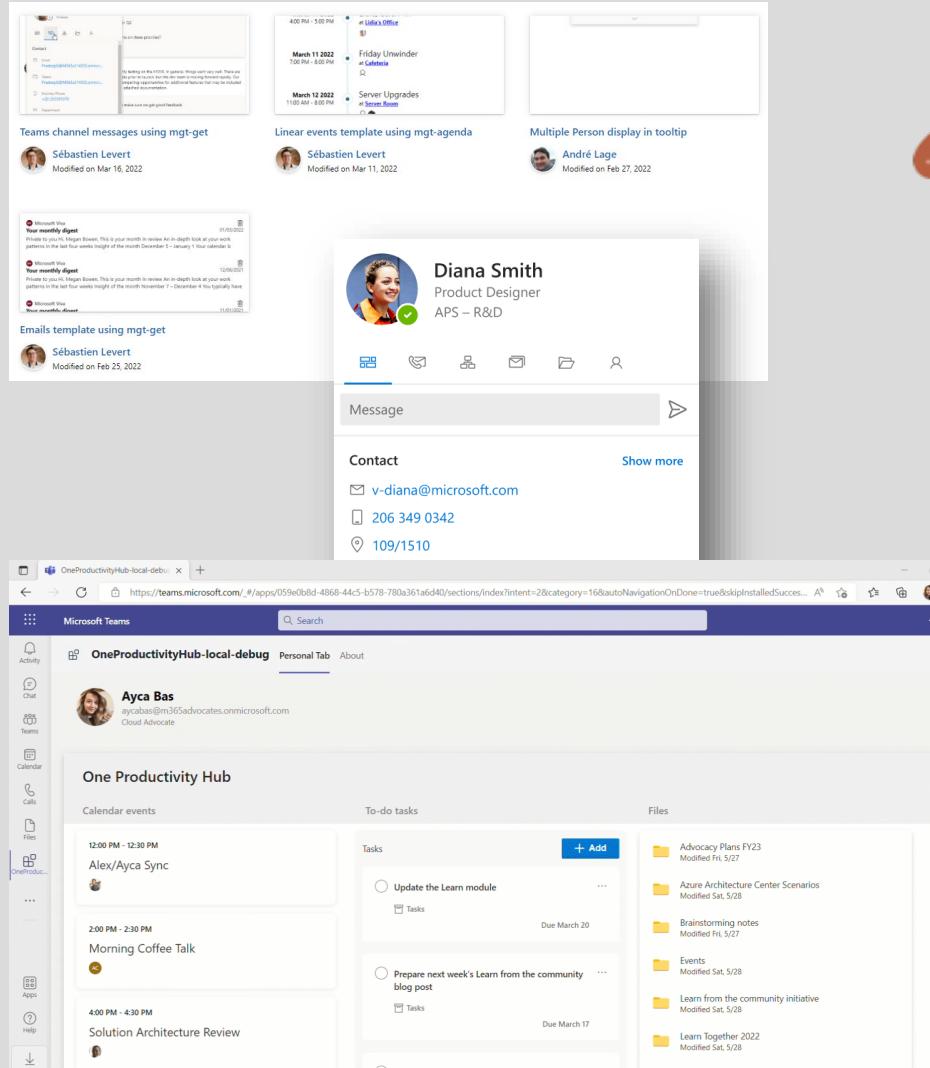


Microsoft Graph Toolkit

More information: aka.ms/mgt

What's new 🎉

- Just shipped! v2.6.2 is our latest release! Update your packages! <https://aka.ms/mgt/v2.6.2>
 - Thanks @ortegarenzy and @Onokaev for your contributions 🎉
- The MGT samples repository is live! Keep your contributions coming!
<https://aka.ms/mgt/samples>



What's next? 💻

- New minor version coming up next week!
 - `npm i @microsoft/mgt@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 ❤️

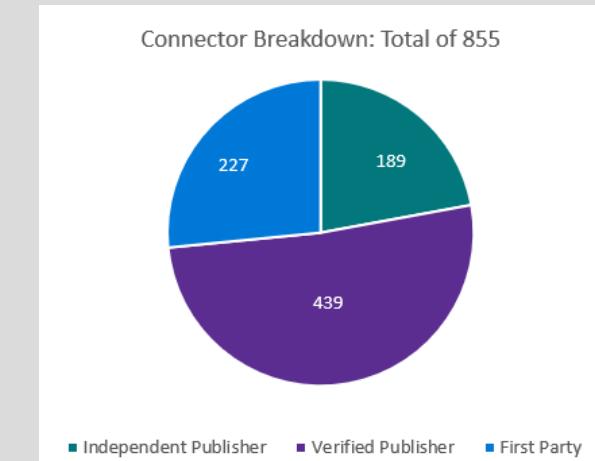
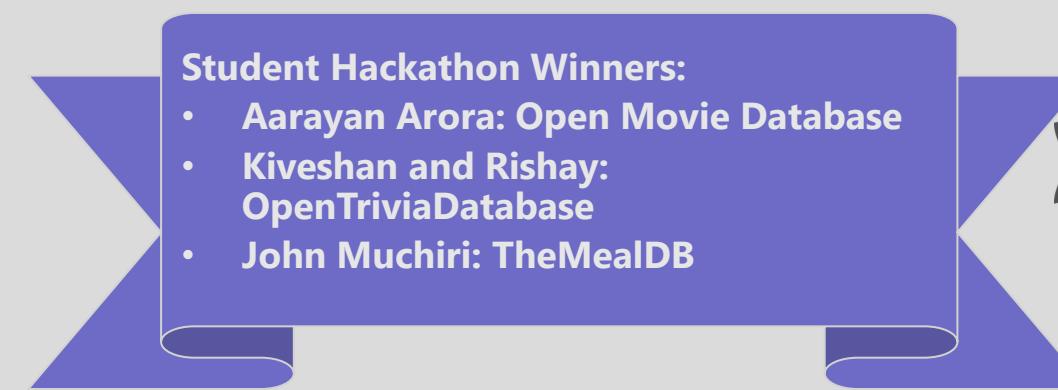
- Help us fix bugs
- Help us build/improve features
- help-wanted & good-first-issue -> <https://aka.ms/mgt/issues>



Independent Publisher Connectors

What's new

- 67 Amazing Independent Publishers! +3
 - Artesian Software
 - David Kjell
 - Julia Muiruri
- 189 Independent Publisher connectors! +9
 - Troy Taylor: Writesonic, Tree-Nation, CarsXE
 - Bernard Karaba: 24 pull request
 - Victor Olaya: edatalia Sign Online
 - Vitalii Sorokin: Electricity Maps
 - Kevin Comba: Influenza and Covid Tracker



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 182 scenarios and 270 scripts, using Microsoft Graph, CLI for Microsoft 365, PnP PowerShell, SPO Management Shell tooling and more... 😊 AND samples integrated into *Microsoft Sample Solution Gallery*

Awesome 🎉😊🎉👏 Samples Include :

New Scenario using Azure CLI

- Delete all resources from a resource group by **Arjun Menon**

New Scenarios using PnP PowerShell

- Sample showing how to apply a custom form formatting as part of site provisioning by **Kasper Larsen**
- Export OneDrive Sites by **Chandani Prajapati**
- Export all site pages details from Site Pages library by **Chandani Prajapati**
- Sample on how to locate the classic search result web part and check remove duplicates by **Kasper Larsen**
- Open Office documents in the Client by **Kasper Larsen**
- Add/Update Image in SharePoint Image Column by **Ganesh Sanap**

Updated scenarios using CLI for Microsoft 365

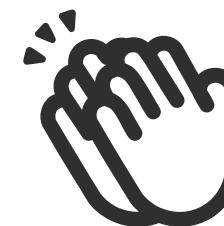
- Delete orphaned temporary pages from Site Pages by **Reshmee Auckloo**

Updated scenarios using SPO Management Shell

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

Did you know you can copy the sample with the clipboard icon top-right of the sample

Thank you for your samples and contributions – your awesome!



The screenshot shows the 'Script Samples' website interface. At the top, there's a navigation bar with tabs for 'PnP SAMPLES' (which is active), 'Scripts', 'By Tool', 'By Product', and 'Contributing'. Below the navigation is a section titled 'Script Samples' with a search bar. There are several sample cards displayed:

- SharePoint Modern Page Publishing Report**: A card showing a screenshot of a SharePoint page with a table of publishing status for pages. It includes a 'PnP PS CU' icon and a note about scanning modern pages.
- Nanddeep Nachan +1 Modified Jul 06 2022**: A card showing a screenshot of a SharePoint page with a list of items. It includes a 'PnP PS CU' icon.
- #COMMUNITY ROCKS**: A card showing a screenshot of a SharePoint page with a large '#COMMUNITY ROCKS' graphic. It includes a 'PnP PS CU' icon and notes about flows connected to SharePoint.
- Add bulk users to SharePoint**: A card showing a screenshot of a PowerShell script. It includes a 'PnP PS CU' icon and notes about adding bulk users to SharePoint site groups from a CSV file.
- Chandani Prajapati Modified Jul 05 2022**: A card showing a screenshot of a SharePoint page with a list of items. It includes a 'PnP PS CU' icon.
- Add multiple folders in .csv file**: A card showing a screenshot of a PowerShell script. It includes a 'PnP PS CU' icon and notes about creating multiple folders in a .csv file.

aka.ms/script-samples



Microsoft Teams Samples

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

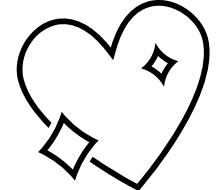
The collage includes the following samples:

- TwoPoints**: Calculate distance in unit of meter and compass heading.
- AddTopValue Examples**: Adds a value to a list of values ready to use in a drop down box. Returns a single column, named Result, table.
- IsTime**: Regex to validate time format [hh:mm:ss]/[hr:min:sec]/[mm:ss]/[m:s]/[ss]/[s]
- Custom Font Samples**: 177 custom font samples for Power Apps.
- timer**: Example of how to use the timer function as a stopwatch.
- Expandable Navigation**: This Canvas Application is an example for a expandable navigation using Fluent UI icons.
- Tag Box**: Contains a textbox that adds items into a dynamic list.
- Status Indicator**: Shows how to add a status indicator in a display form.
- chkContrast**: Calculates the contrast between two colors.
- getLuminance**: Calculates the relative luminance of linearized RGB colors.
- HexToDecimal**: This function is used to convert hex to decimal.
- ConvertUnit**: Perform unit conversion for length.
- IsInCurrentDay**: Checks if a date occurs within the current day.
- IsLeapYear**: Checks if a date belongs to a leap year.
- IsUSPhoneNumber**: Regex to validate whether a string matches a valid US phone number pattern.
- JS Phone Number Validation**: Validates US phone numbers using JavaScript.
- input Validation**: Validates URLs using regular expressions.
- IsURL**: Validates URLs using regular expressions.

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 of a man and a woman looking at a laptop screen. The man is on the left, wearing a grey sweater, and the woman is on the right, wearing a dark blue patterned top. They are both looking down at the laptop. A white coffee cup is on the desk in front of them.

DEMO

- Using Microsoft Syntex Bulk Content Assembly to automatically generate documents
 - Leon Armston
- Access Teams meeting details in a meeting app
 - Markus Möller

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

Next M365 General Dev call: **November 10th at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **November 3rd at 07:00am PT**

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



Thank you