



Your host in this call:  
David Warner (Microsoft)

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

September 1<sup>st</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!**
- **Robin Rosengrün** - Independent Publisher Connector - OpenAI connector on using AI for content creation and interactions
- **Kristine Kolodziejki** - How to animate SVGs in Adaptive Cards



# Opportunities to Participate in the community

Demo solution  
or technical  
pattern

Contribute on  
GitHub

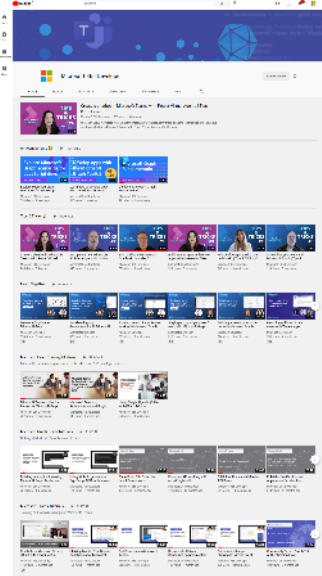
Provide  
feedback

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>

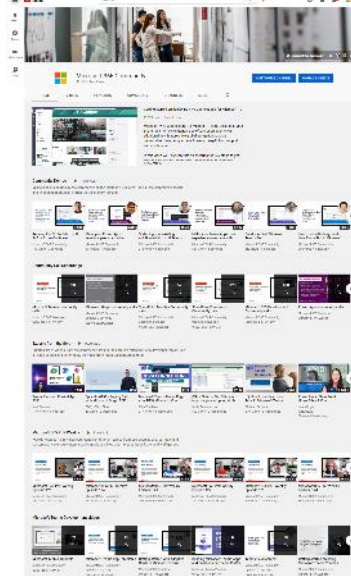


## Microsoft 365 developer videos



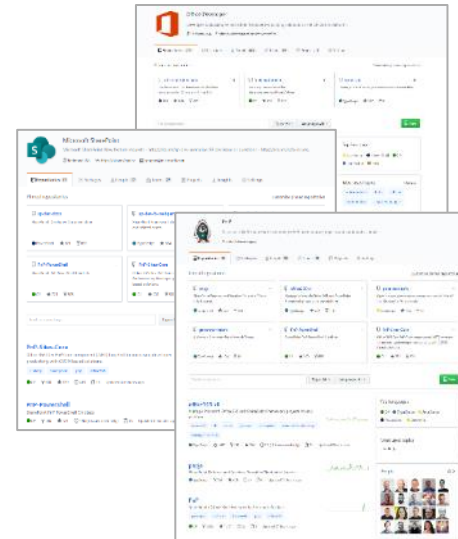
[aka.ms/m365devyoutube](https://aka.ms/m365devyoutube)

## Microsoft 365 community videos



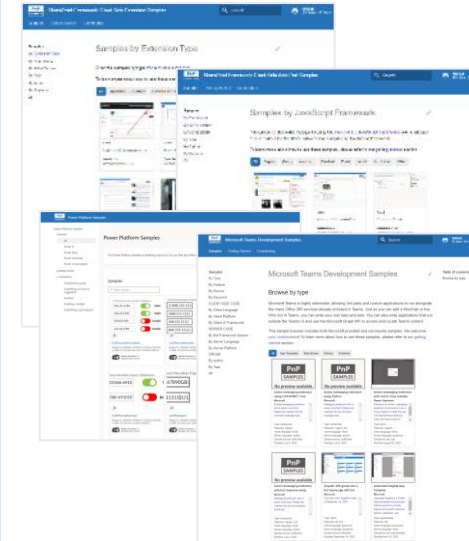
[aka.ms/m365pnp/videos](https://aka.ms/m365pnp/videos)

## 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>

## AGENDA

# Microsoft 365 platform call 6<sup>th</sup> of September @ 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>

- Latest news from Microsoft engineering on [Microsoft 365](#) topics
- Community together mode group photo
- **Brian Jackett & Cameron Parker** - Latest on eDiscovery Premium APIs on Microsoft Graph
- **Alex Terentiev & Vesa Juvonen** - SPFx feature demo/preview
- **Merill Fernando** - Introduction to Graph X-Ray



# GUIDANCE

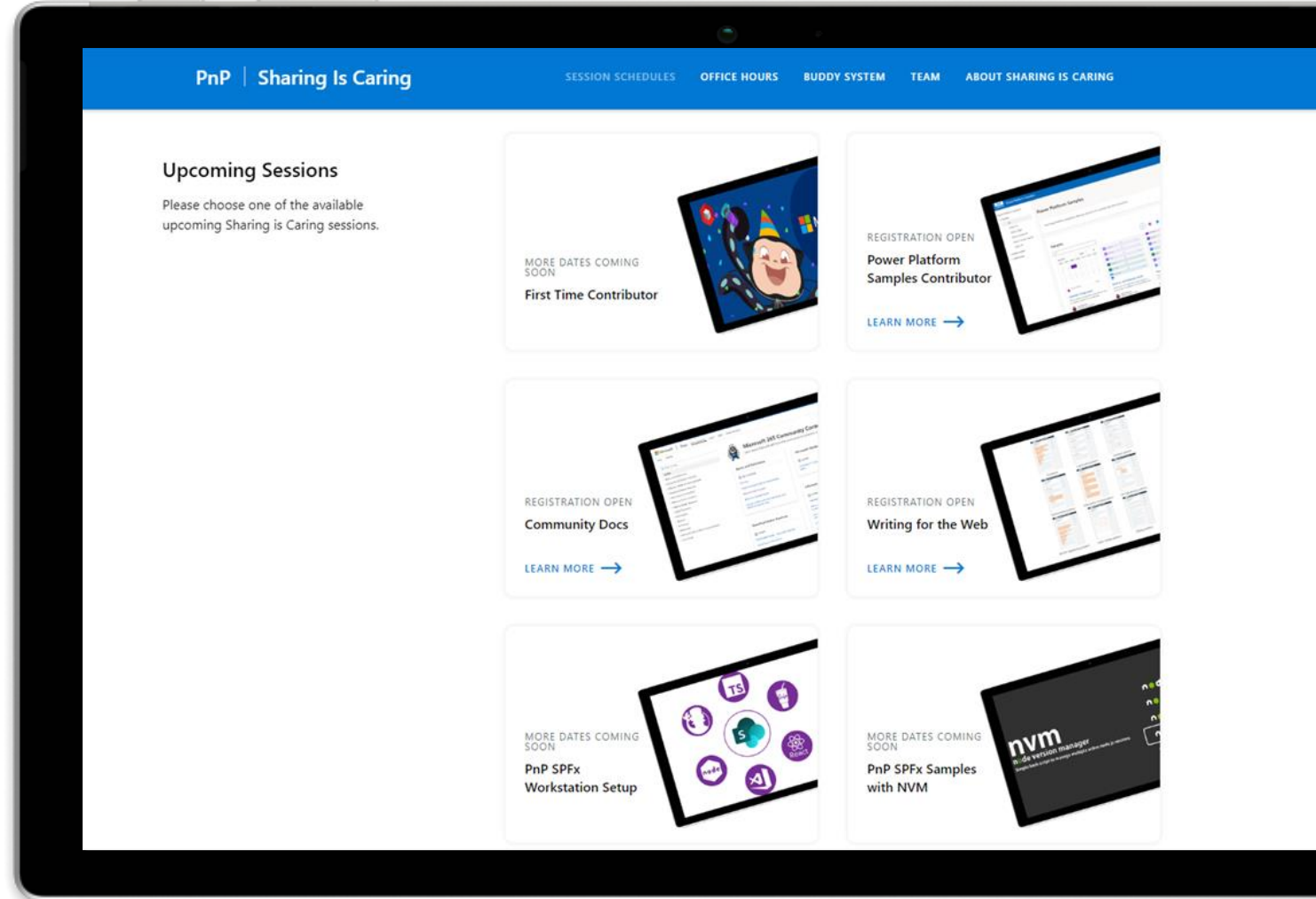
Learn how to get started in the open-source PnP community!

## 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

**Live at Power  
Platform Conference**

- **Power Platform Samples Contributor**



<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

- >711,000 downloads!
- Prepping 1.11.0 (**after summer break**):
  - Merge pending PRs
  - General fixes and improvements: 👍 Ronald Booden, Daniel Pastoor, Ole Rühaak and friendbool
- New PnP Provisioning Schema v. 202209 is upcoming
  - Feedback welcome on GitHub repo (<https://github.com/pnp/PnP-Provisioning-Schema>)

## PnP Core SDK

- >930,000 downloads!
- Prepping for 1.8.0 (**after summer break**):
  - Integrate license information in Nuget packages: Landon Petzoldt 👍👍🚀
  - Support for column defaults, re-indexing of a list or web and test mocking (via Moq): Bert Jansen 🚀
  - Fixes and improvements: Martin Lingstuyt, Llewellyn Roos, Bert Jansen 👍

What key scenarios are still missing?

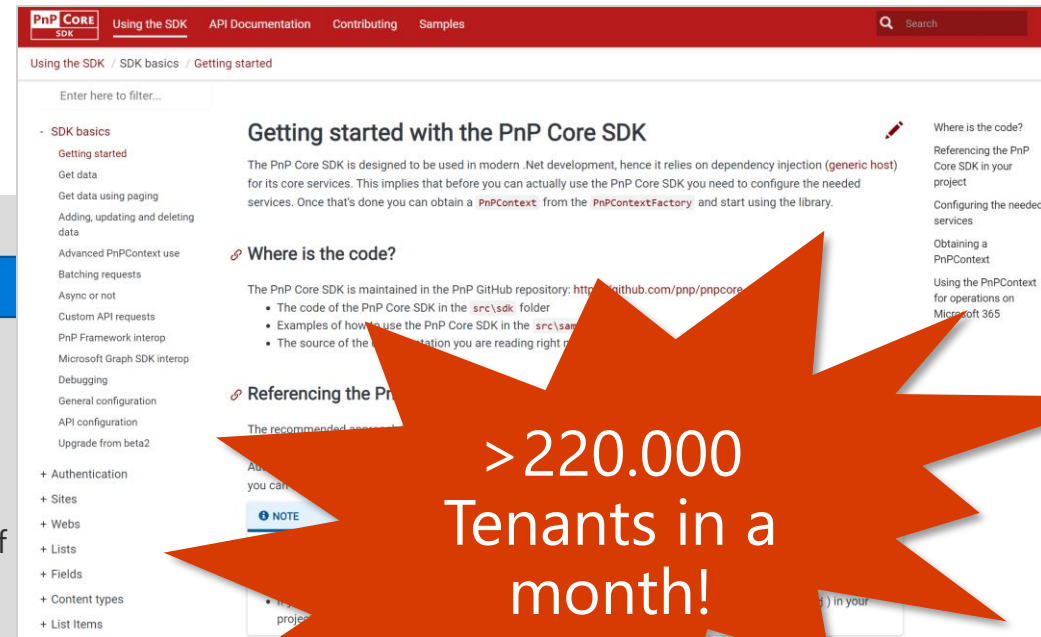
<https://github.com/pnp/pnpcore/blob/dev/src/sdk/CHANGELOG.md>

 [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>

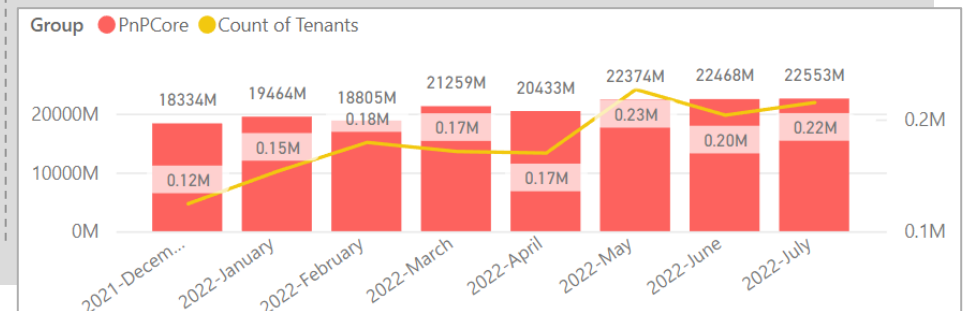
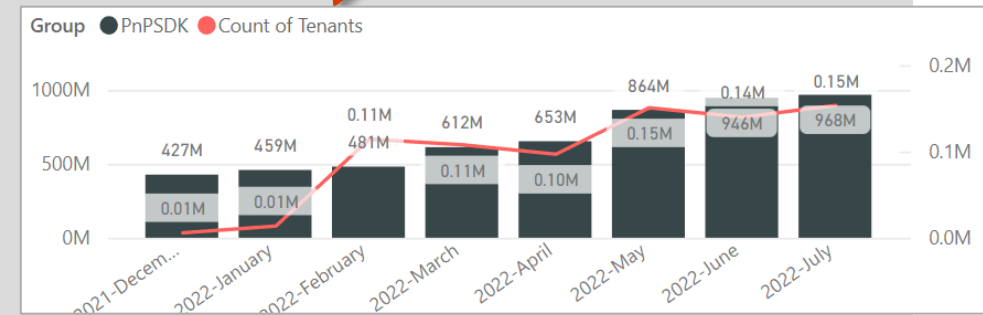
- The code of the PnP Core SDK in the `src/sdk` folder
- Examples of how to use the PnP Core SDK in the `src/samples` folder
- The source of the documentation you are reading right now

Referencing the PnP Core SDK

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

NOTE

>220.000  
Tenants in a  
month!



# 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

Many updates, improvements and fixes!

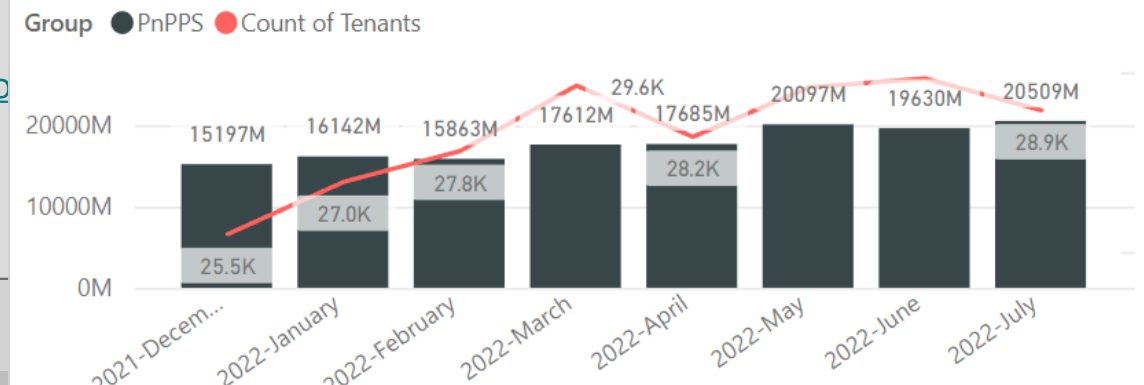
- 2.9 million downloads!
- 100 million cmdlets executed per day!!
- Docs shifted, no more **docs.microsoft.com**
- Documentation, Articles and tips available at <https://pnp.github.io/powershell>
- Thinking of dropping support for PS 5, any strong objections ???
- PnP PS runs in **PS 5, PS 7, Azure CloudShell,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

### ▪ New Stuff

- 1.11.0 released, nightly builds continue, go check it out
- Improved exception handling and verbose messaging
- Improved Microsoft 365Group related cmdlets
- Added **DisplayNamesOfFileViewers** and **DisplayNamesOfFileViewersInSpo** params to **Tenant** cmdlets
- 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>

45K

Totals Downloads

generator-teams – The Teams apps generator

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

**Latest release: 4.0.1** [2022-06-28]

Fixed an issue with tab configuration

**Top of mind:**

Option to add SSO for teams apps during scaffolding

Option to integrate Microsoft Graph Toolkit

Update UX of scaffolded tabs

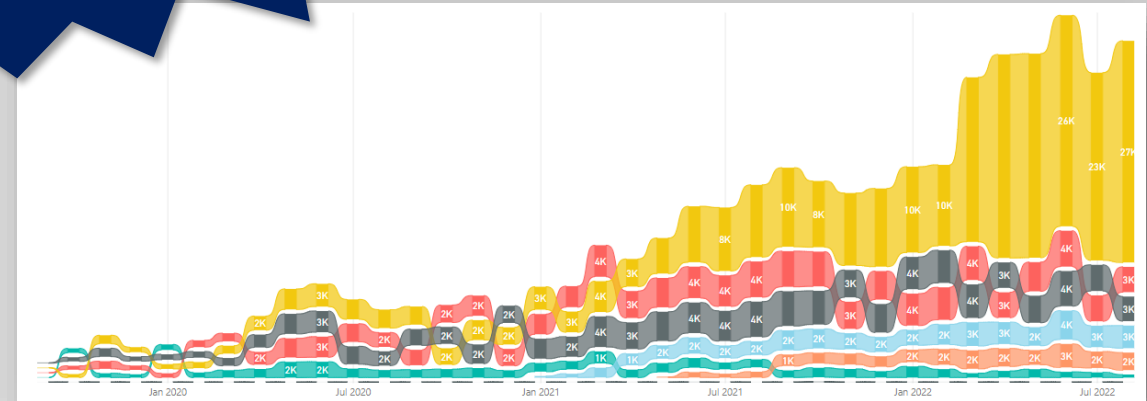
Add support for meeting extensions

More Docs & Tutorials

Help wanted



Package Downloads



## 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

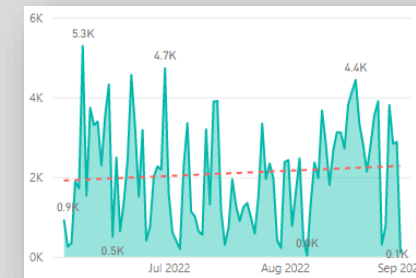
Dependency package updates

**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 🦋

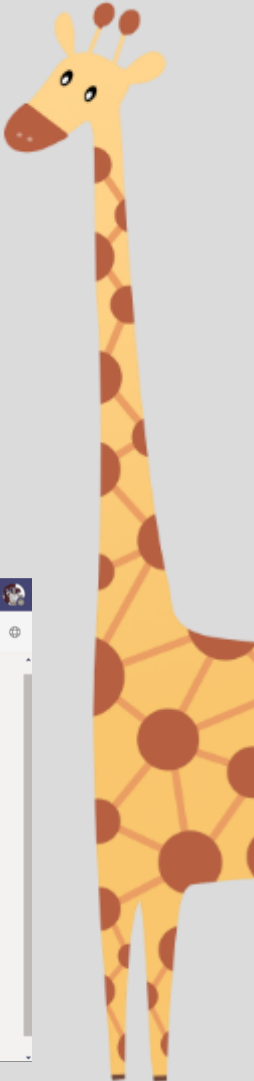
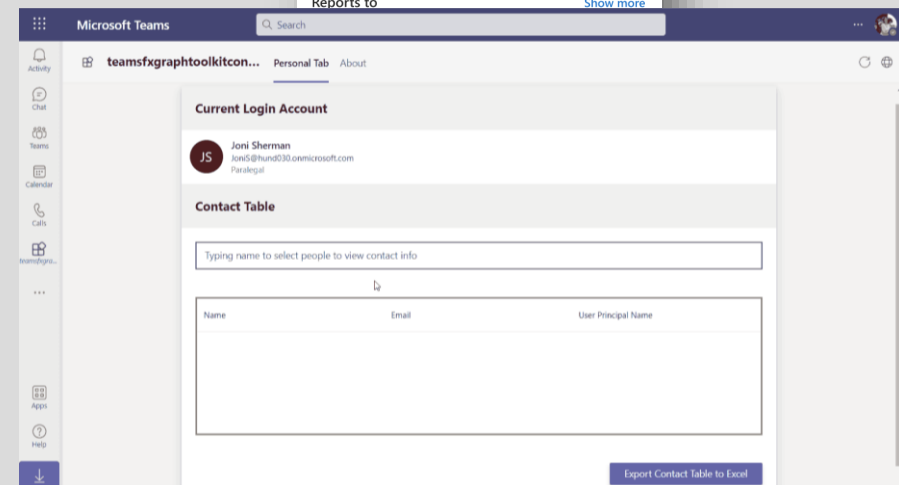
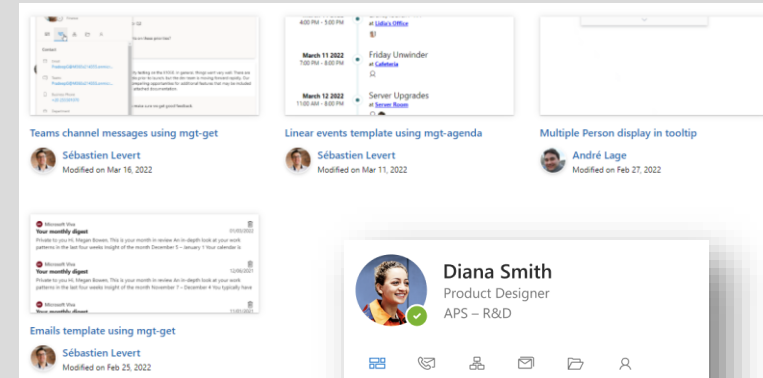
- V2.6.0 is our latest release! Update your packages! <https://aka.ms/mgt/v2.6.0>
  - Accessibility updates
  - Support for SPFx 1.15
  - Documentation on TeamsFx
  - Updates mgt-people-picker
  - Thanks @wuxiaojun514 for your contributions 🦋
- The MGT samples repository is live! Keep your contributions 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!
- 168 Independent Publisher connectors!
- New connectors:
  - **Joe Unwin**- Fantasy Premier League
  - **Richard Wilson (Welcome!)**- Mockaroo
  - **Simone Lin (Welcome!)** - Mapbox
  - **Troy Taylor**- Near Earth Object Web Service
  - **Troy Taylor**- USGS Earthquake Hazards



## 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 **165 scenarios** and **250 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 :**

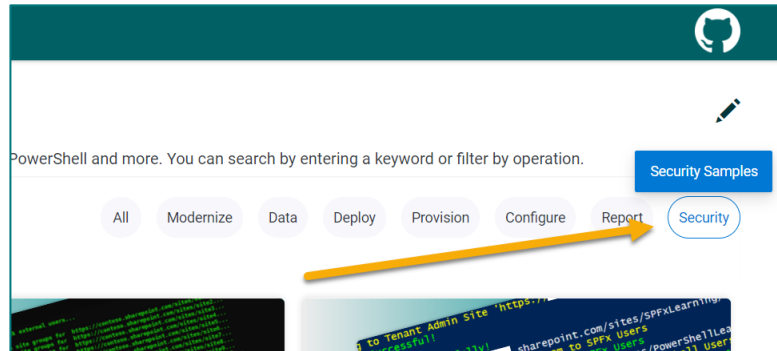
*New scenarios using CLI for Microsoft 365 Scripts*

- Get notified in Microsoft Teams about SharePoint health incidents by **Martin Lingstuyt**

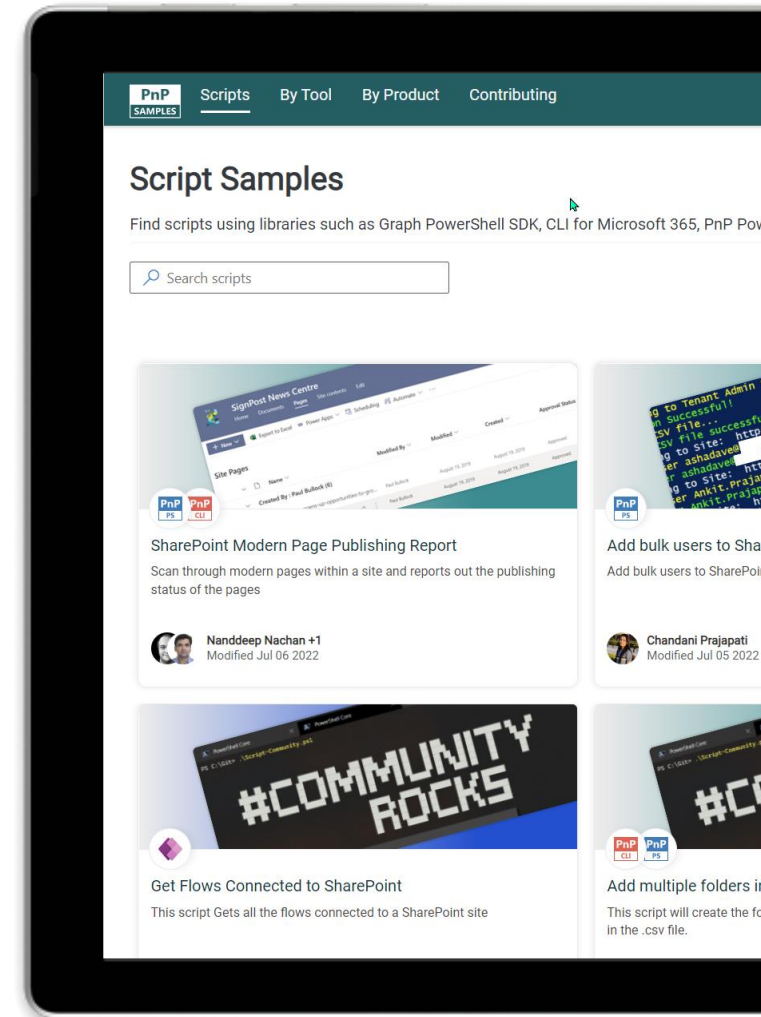
*Updated Scenarios with CLI for Microsoft 365 Scripts*

- Ensure the Site Assets Library is created by **Martin Lingstuyt**

**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

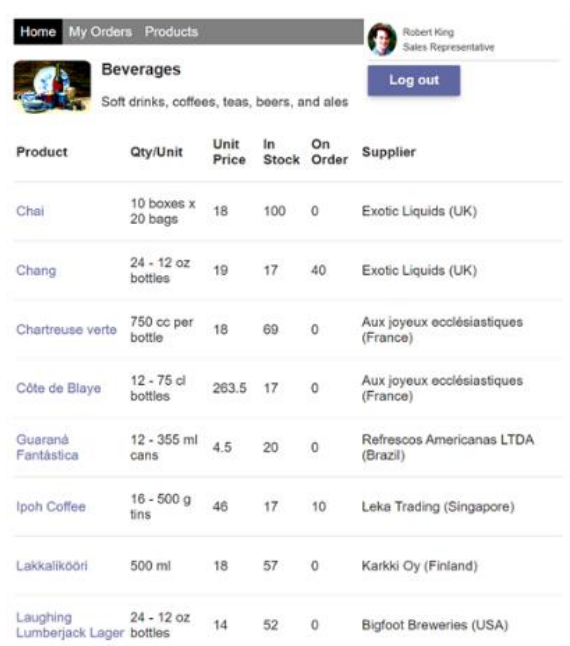


Please check out all the samples!

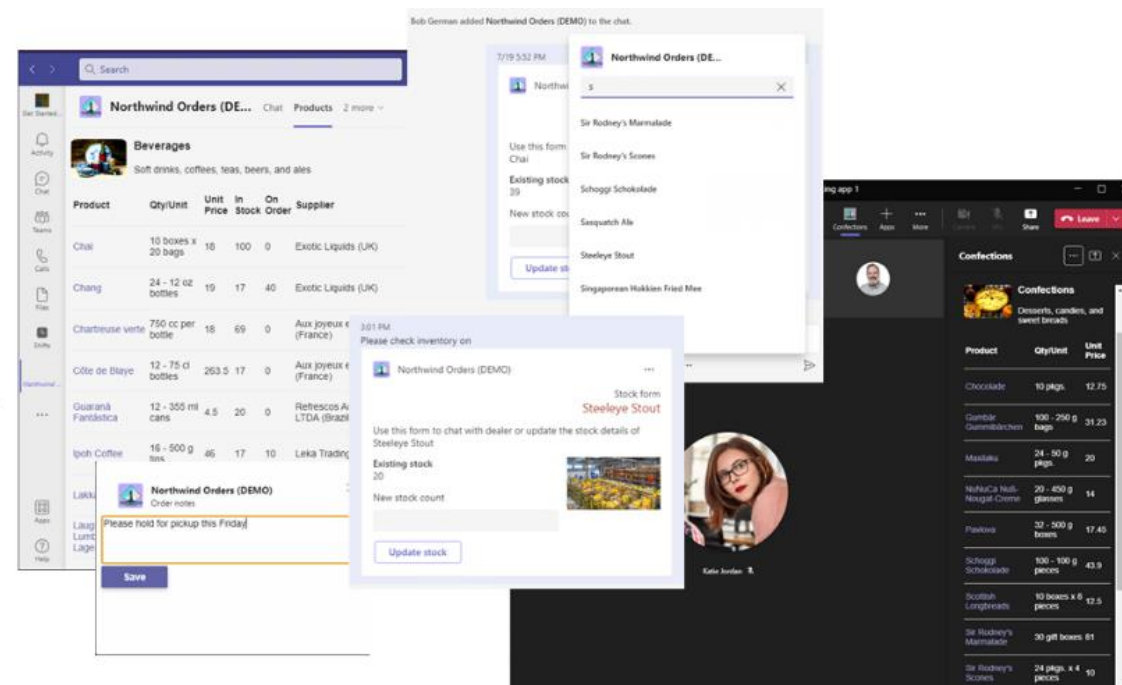
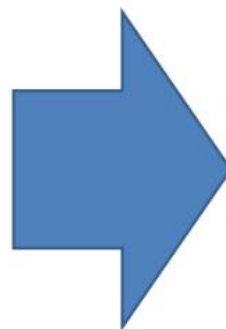
<https://aka.ms/m365-samples>

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

## Microsoft Teams App camp



Product	Qty/Unit	Unit Price	In Stock	On Order	Supplier
Chai	10 boxes x 20 bags	18	100	0	Exotic Liquids (UK)
Chang	24 - 12 oz bottles	19	17	40	Exotic Liquids (UK)
Chartreuse verte	750 cc per bottle	18	69	0	Aux joyeux ecclésiastiques (France)
Côte de Blaye	12 - 75 cl bottles	263.5	17	0	Aux joyeux ecclésiastiques (France)
Guaraná Fantástica	12 - 355 ml cans	4.5	20	0	Refrescos Americanas LTDA (Brazil)
Ipoh Coffee	16 - 500 g tins	46	17	10	Leka Trading (Singapore)
Lakkaikóori	500 ml	18	57	0	Karkki Oy (Finland)
Laughing Lumberjack Lager	24 - 12 oz bottles	14	52	0	Bigfoot Breweries (USA)



Bob German added Northwind Orders (DEMO) to the chat.

7/19 5:52 PM Northwind Orders (DEMO)

Use this form to chat with dealer or update the stock details of Steeleye Stout

Existing stock 30

New stock count

Update stock

Save

Please hold for pickup this Friday

Stock form Steeleye Stout

Confections

Product Qty/Unit Unit Price

Chocolate	10 pkgs.	12.75
Gumbler Gumbachchen	100 - 250 g bags	31.25
Mastaka	24 - 50 g pkgs.	20
NahkaCa Nuh-NahkaCa	20 - 400 g glasses	14
Pasteka	32 - 500 g boxes	17.45
Schoggi Schokkade	100 - 150 g pieces	43.9
Scottish Longbread	10 boxes x 6 pieces	12.5
Sir Rodney's Marmalade	30 gtt boxes 61	
Sir Rodney's Scones	24 pkgs. x 4 10	

### Hands-on labs and samples:


- Port a web site to a Teams app w/Azure AD SSO
- Implement identity linking from a non-Azure AD identity system to Azure AD
- Messaging extension with adaptive card
- Configurable tabs, meeting app, dialogs, deep links
- Monetize the app in the Teams app store

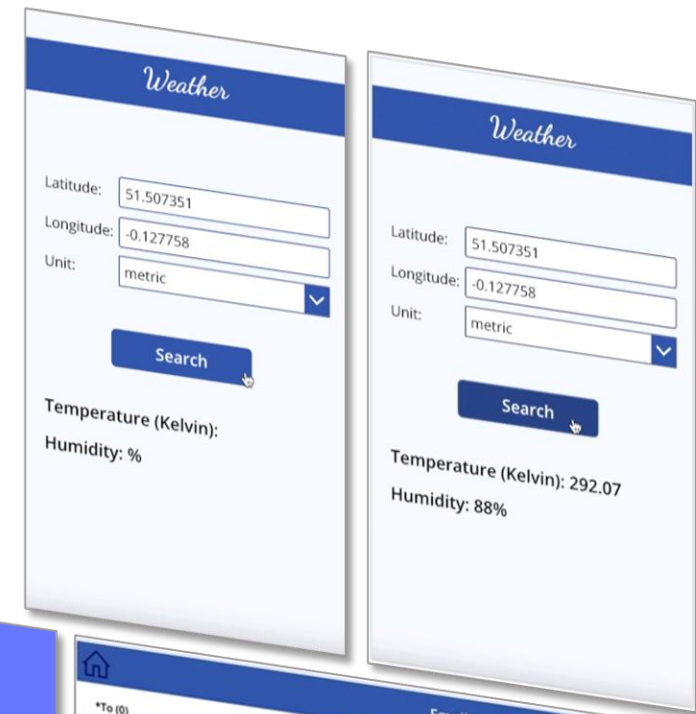
<https://aka.ms/app-camp>



# Power Platform Samples

## New:

-  Email Translation  Lama Alluwaymi | Lama-alluwaymi
-  PDF Converter  Lama Alluwaymi | Lama-alluwaymi
-  Weather Sample  Lama Alluwaymi | Lama-alluwaymi



Weather

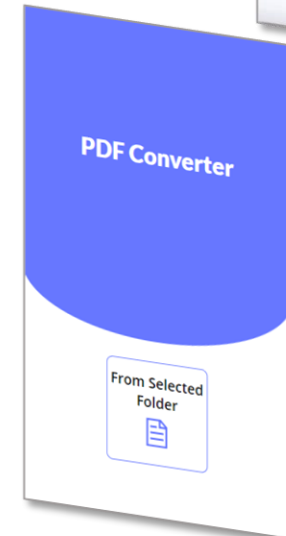
Latitude:

Longitude:

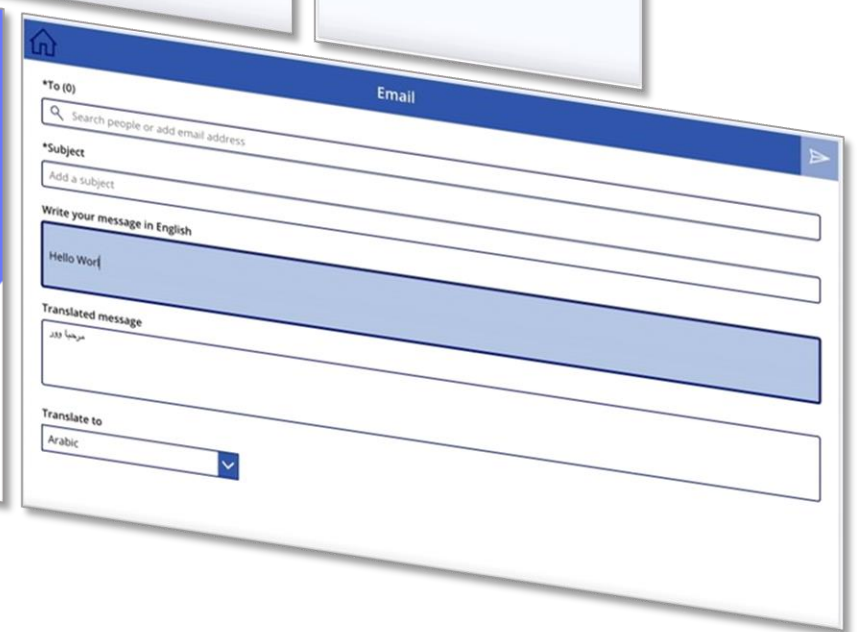
Unit:

Temperature (Kelvin):

Humidity: %



PDF Converter



Email

\*To (0)

\*Subject

Write your message in English

Translated message

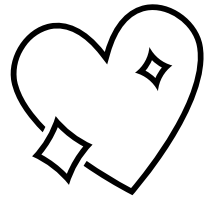
Translate to



# 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 Connector - OpenAI Demo  
– Robin Rosengrün
- How to animate SVGs in Adaptive Cards  
– Kristine Kolodziejski

# 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 15<sup>th</sup> at 07:00am PT**

Next Viva Connections & SharePoint Framework call: **September 8<sup>th</sup> at 07:00am PT**

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





Thank you