Microsoft

Your host in this call:
David Warner (Microsoft)

Microsoft 365 & Power Platform Development – Bi-weekly call

May 26th, 2022

Agenda

- Latest on PnP Framework and Core SDK extension
- Latest on PnP PowerShell
- Latest on yo Teams
- Latest on Microsoft Graph Toolkit

- Latest Microsoft Teams samples
- Latest on Power Platform samples

- Picture time with the Together Mode!

- **Natalie Pienkowska & Miguel Verweij** - Updates on Independent Publishing Connectors & Nederlandse Spoorwegen Demo

- **Rick Van Rousselt** - Data Loss Prevention (DLP) solution for emails with Microsoft Graph

- **Thomas Gölles** - TeamsFx .Net - Use sqlite and generic forms for you next Teams Dev demo

Opportunities to Participate in the community

Demo solution or technical pattern

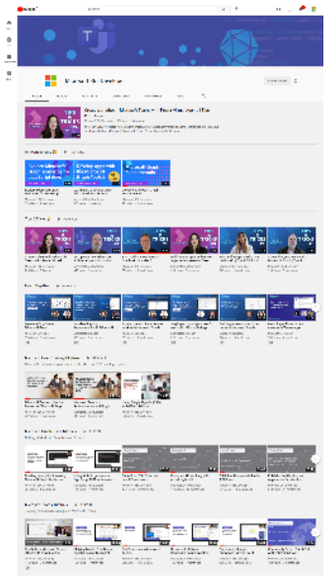
Contribute on GitHub

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.

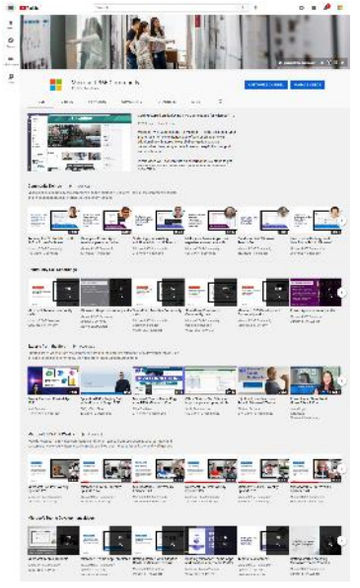
Request a demo spot on the call
https://aka.ms/m365pnp/request/demo

Microsoft 365 developer videos



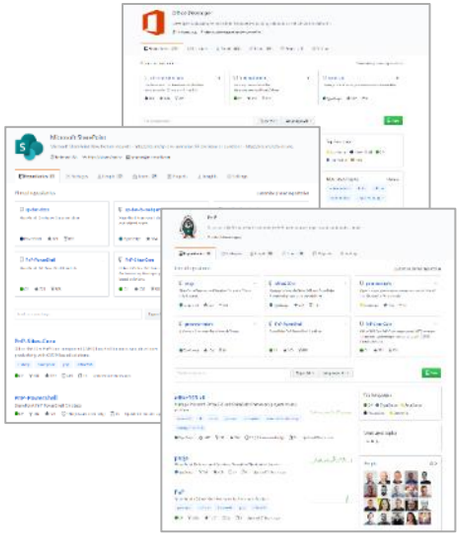
aka.ms/m365devyoutube

Microsoft 365 community videos



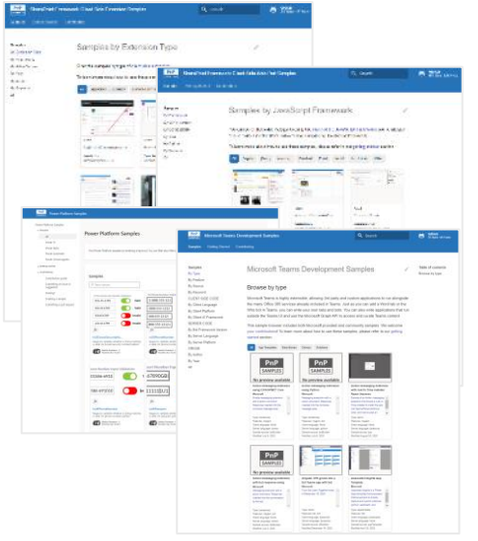
aka.ms/m365pnp/videos

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

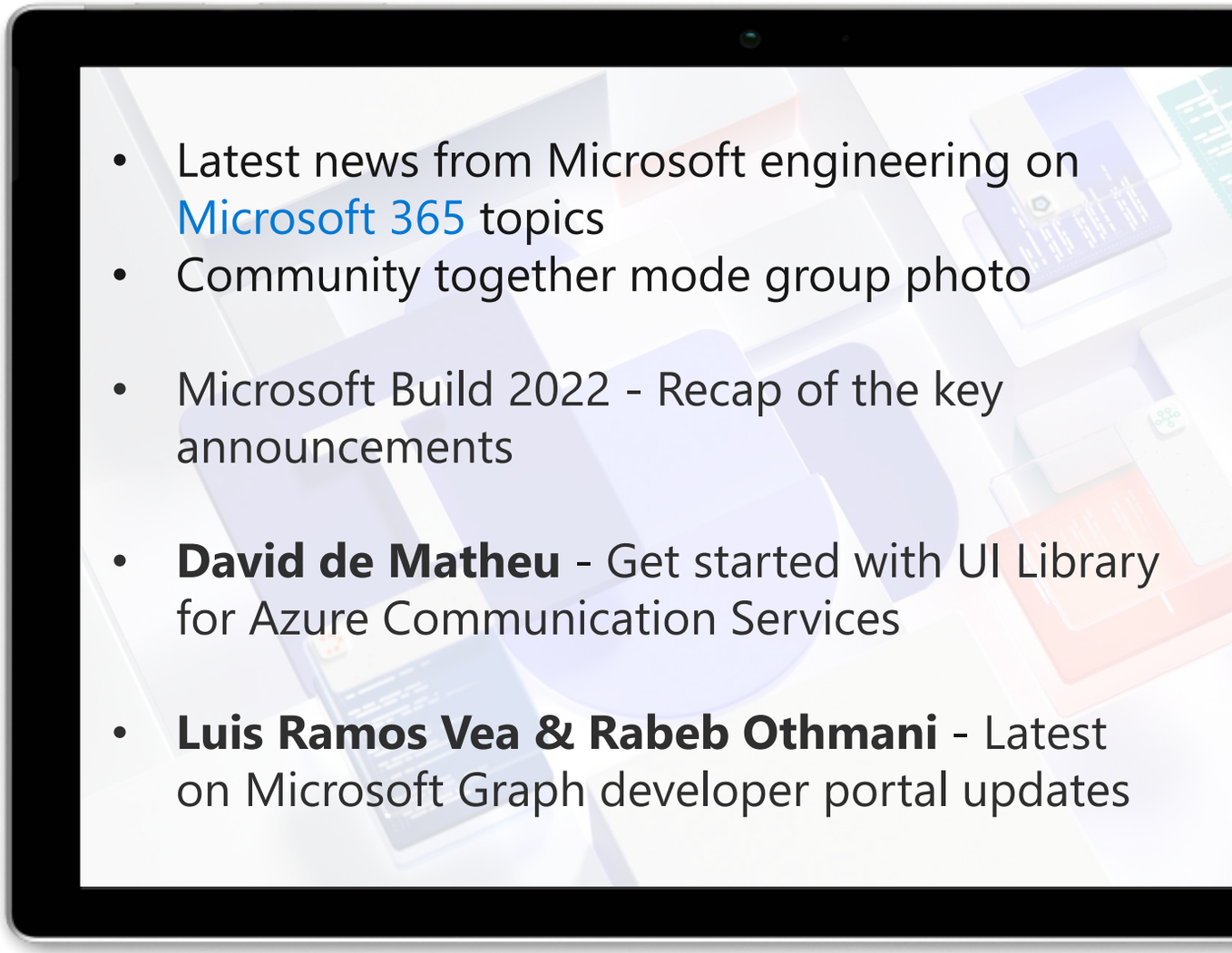
https://aka.ms/m365/calls

AGENDA

Microsoft 365 platform
call 31st of May @ 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



Microsoft

GUIDANCE

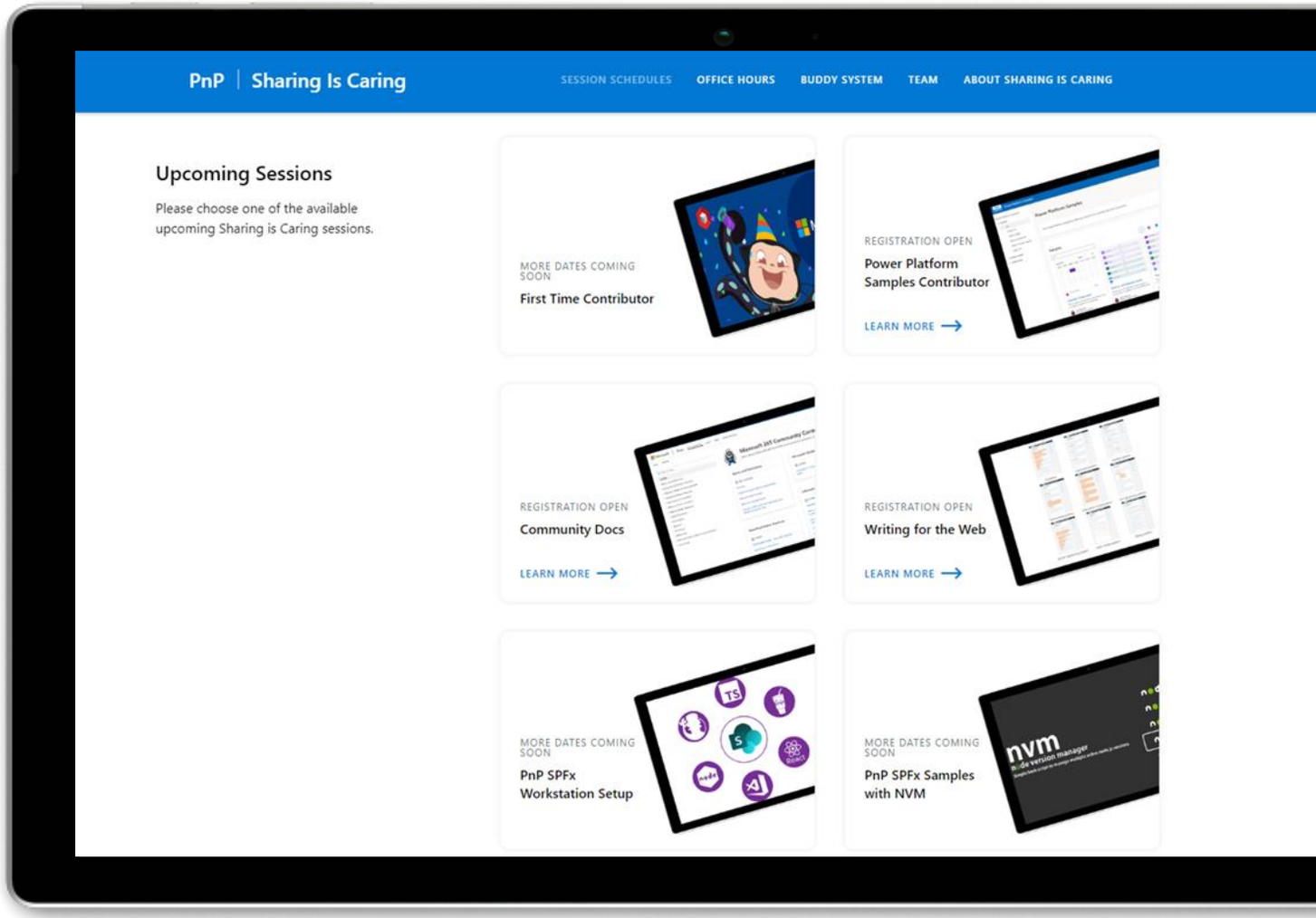
Learn how to get started in the open-source PnP community!

Upcoming Sessions:

- First-time 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

NEXT WEEK

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

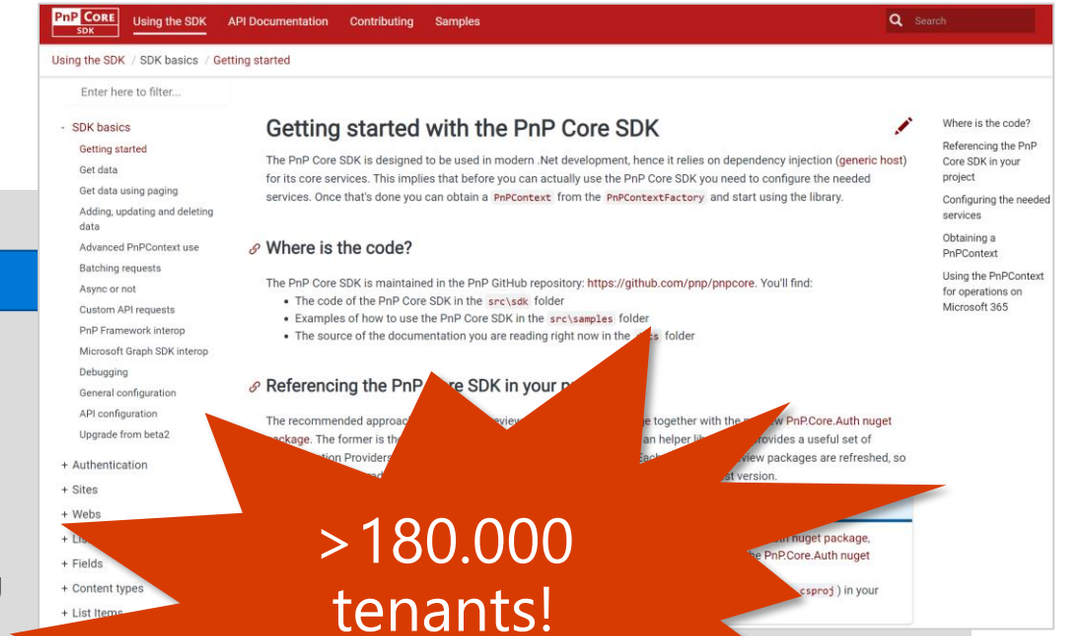
PnP .NET libraries

	PnP Framework	PnP Core SDK

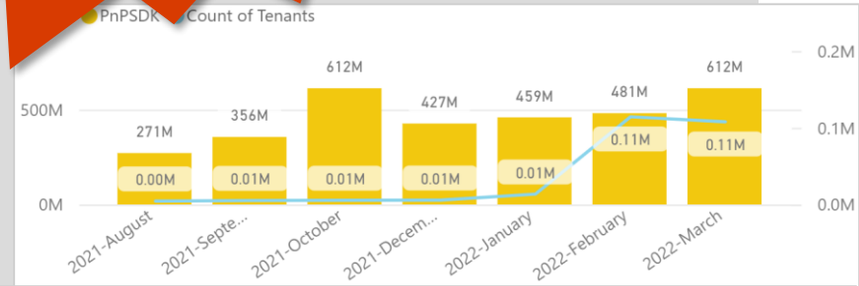
Working on it	▪ 529,000 downloads!
	▪ **Version 1.9.0 released!**
	▪ Prepping 1.10.0:
	  ▪ Merge pending PRs
	  ▪ General fixes and improvements: 👍 Miguel Angel García Martínez, Christian Zuellig
		▪ 715,000 downloads!
		▪ **Version 1.6.0 released!**
		▪ Prepping for 1.7.0:
		  ▪ Manage replies in Teams chat : Mathijs Verbeeck 👍 🚀
		  ▪ Fixes and improvements: cleaning up bug list and discussions… 👍 Bert Jansen

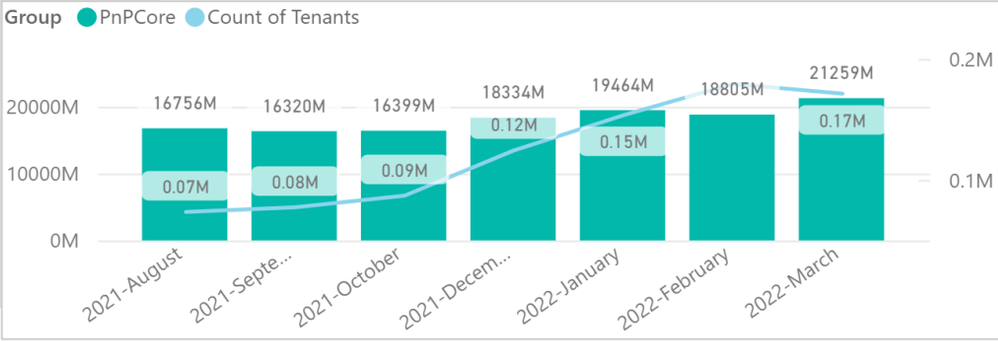
Roadmap	https://github.com/pnp/pnpcore/blob/dev/src/sdk/CHANGELOG.md	
	nuget.org/profiles/pnp	nuget.org/profiles/pnp
	aka.ms/pnp/framework	aka.ms/pnp/coresdk

What key scenarios are still missing?



>180.000 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

Working on it

V1.10.0 released!

- **Many updates and fixes!**
- **2 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

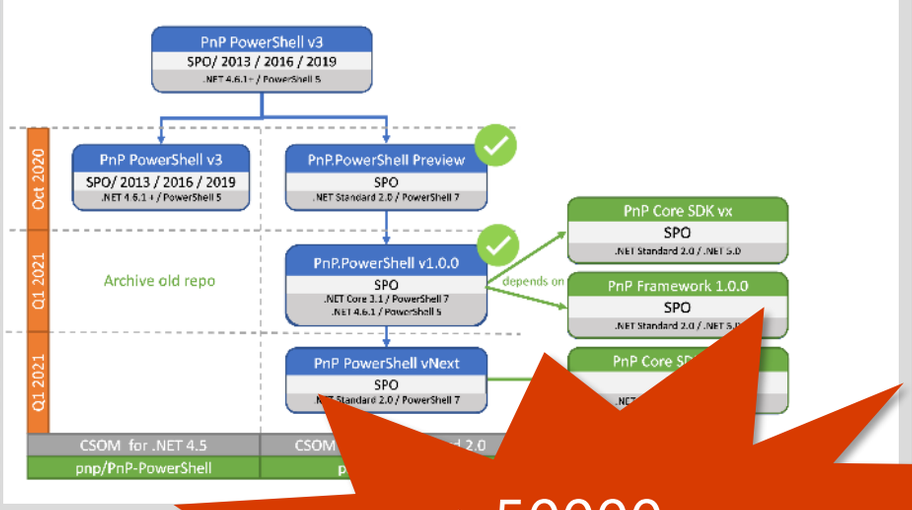
- PnP PS runs in **PS 5**, **PS 7**, **Azure CloudShell**, **Azure Functions, Azure Runbooks & Raspberry Pi**

- **Bug Fixes**
  - **A new Docker image in DockerHub**
  - **Get-PnPTeamsChannelMessageReply** to get replies from chat message
  - **Set-PnPTeamsChannelUser** to update role of user in private channel
  - Set **timezone** when using **New-PnPSite**
  - Bump to **.NET 4.6.2** and improved debugging experience
  - Bug fixes and improvements continue.
  - What next ? Would love to hear your thoughts !

github.com/pnp/powershell/blob/dev/CHANGELOG.md

github.com/pnp/powershell

www.powershellgallery.com
PnP.PowerShell



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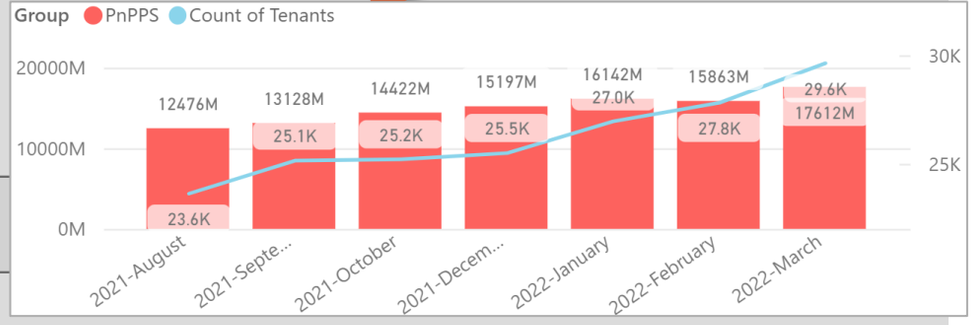


yo teams

Open-source Yeoman generator for Microsoft Teams development

yo teams https://aka.ms/yoteams

43K

Totals Downloads

generator-teams – *The Teams apps generator*

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

Latest release: 3.5.0 [2021-11-18]

Improved telemetry (https://pnp.github.io/generator-teams/about/telemetry/)
Brand new template used for bot scaffolding – better aligned with Bot Fx code samples

Preview: 4.0.0-preview.3 [2022-05-23]

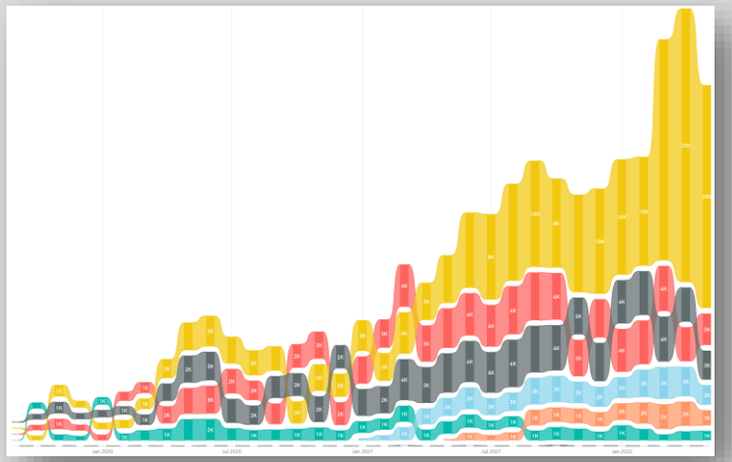
Using @microsoft/teams-js version 2.0 (promise
Support for the m365DevPreview manifest
(Deprecation of scaffolding options for v4 · Disc
Allows you to build Tabs for Outlook and Office.

Version 4.0 is imminent – pending an issue with the new Teams JS SDK

Roadmap:

4.0.0 GA release for //Build

Package Downloads



yoteams-build-core

Latest release: 1.6.0 [2022-02-17]

PR #278, from Paul Schaeflein, with additional gulp-inject options
Support for schema m365DevPreview and 1.12

Preview: 1.7.0-preview.3 [2022-05-23]

Support for the m365DevPreview manifest
Fixed telemetry bug

Roadmap:
n/a

yoteams-deploy

Latest release: 1.1.0 [2021-11-18]

Telemetry for tasks

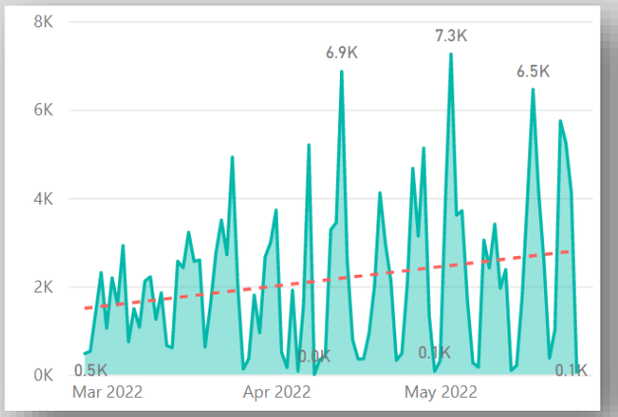
Preview: : 1.2.0-preview.2 [2022-05-12]

Dependency updates

Roadmap:

n/a

Daily build events



Microsoft Graph Toolkit

Web Components powered by Microsoft Graph

Microsoft Graph Toolkit

More information: aka.ms/mgt

What's new

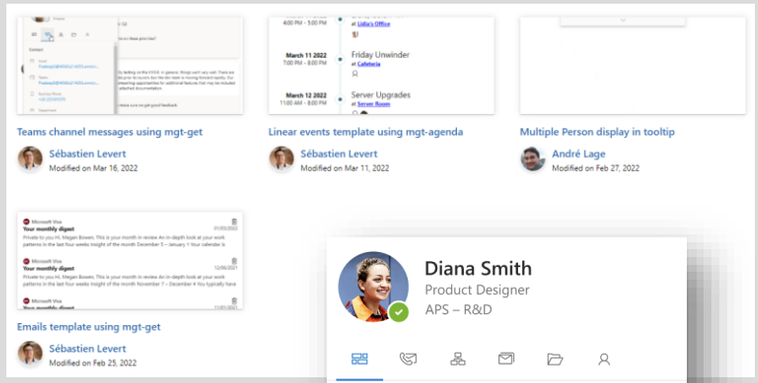
- The MGT samples repository is now LIVE! https://aka.ms/mgt/samples
- v2.5.2 was released! Update your packages! https://aka.ms/mgt/v2.5.2
  - Updates to our Msal2 and Teams providers
  - GA release of our TeamsFx provider
  - Thanks @jocsch, @stniemin and @estruyf for your contributions
- Our playground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

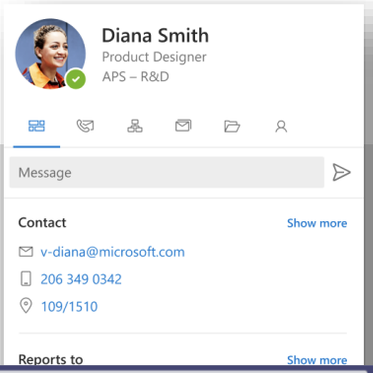
What's next?

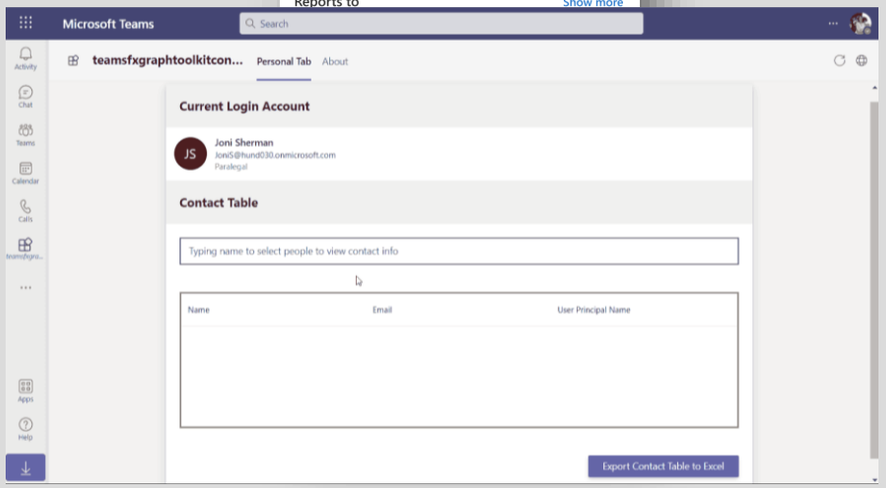
- Aligning all Toolkit components to Fluent UI Web Components
- More generic components and theming capabilities

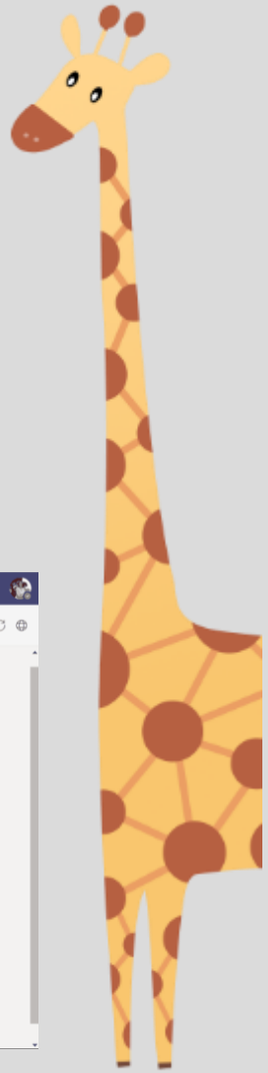
We need your help

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





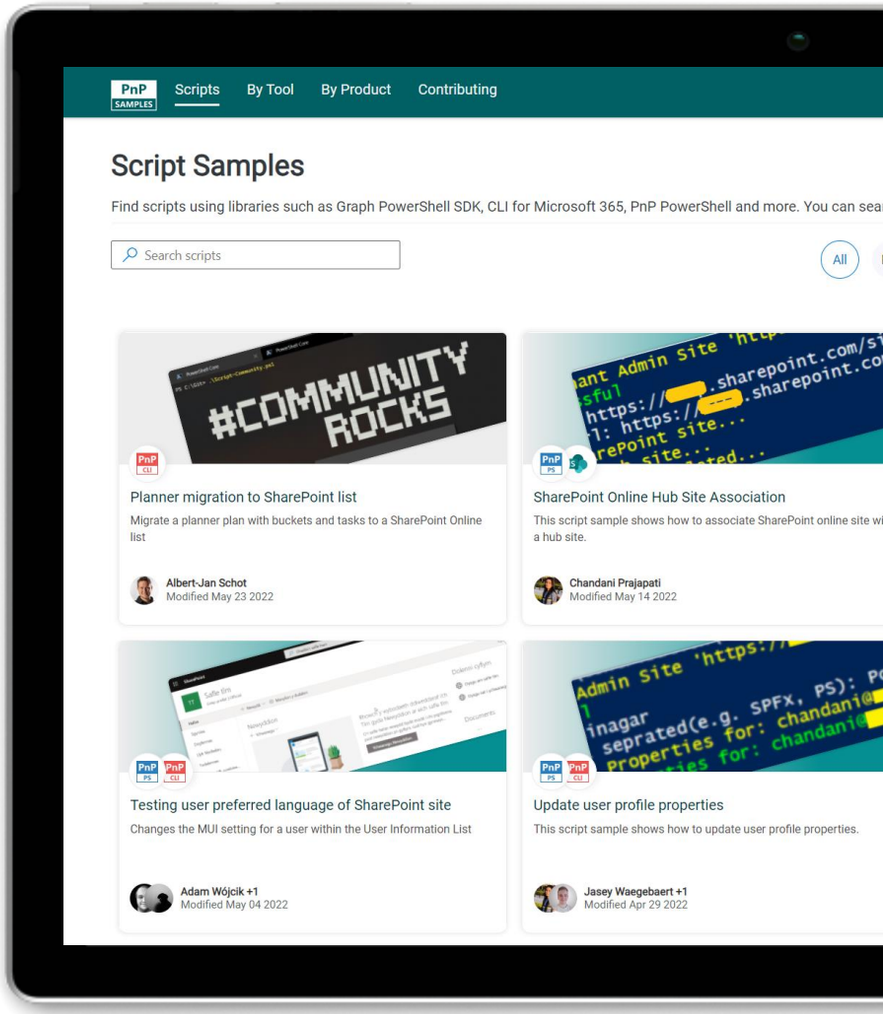




SCRIPT SAMPLES

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

Site now has **151 scenarios** and **218 scripts**, using Microsoft Graph, CLI for Microsoft 365, PnP PowerShell, SPO Management Shell tooling, Power Apps PowerShell, Azure CLI, and more...😄 AND samples integrated into "**Unified**" Solution Gallery 🤩



Samples Include

New scenarios

Testing user preferred language of SharePoint Site (CLI for M365) (**Albert-Jan Schot**)

SharePoint Online Hub Site Association *(SPO MS + PnP PS)* (**Chandani Prajapati**)

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

Thank you for your samples and contributions! 👏

Please reach out if you need support with submissions or if you feel something can be improved!

Microsoft

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

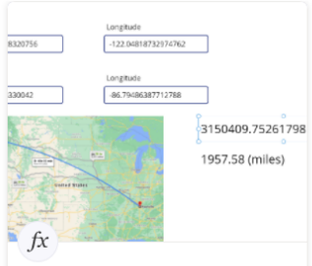
Teams samples w/filtering
https://aka.ms/teams-samples

Power Platform Samples

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

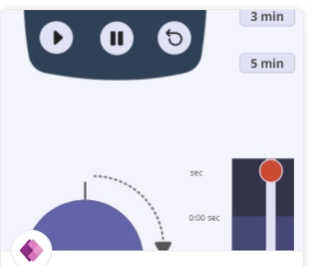
Regex to validate time format [hh:mm:ss]/[hr:min:sec]/[mm:ss]/[m:s]/[ss]/[s]

Geetha Sivasaiam +1
Modified Feb 28 2021

Custom Font Samples

177 custom font samples for Power Apps

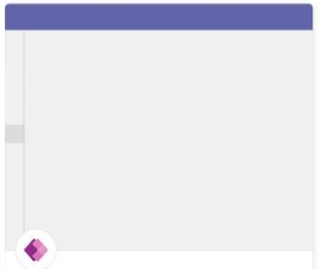
Matthew Devaney
Modified May 12 2021



timer

Example of how to use the timer function as a stopwatch

Michael Roth
Modified May 03 2021



Expandable Navigation

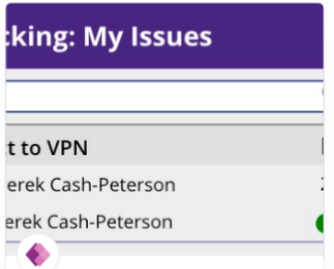
This Canvas Application is an example for a expandable navigation using Fluent UI icons.

Luise Freese
Modified Apr 25 2021

Tag Box

Contains a textbox that adds items into a dynamic list.

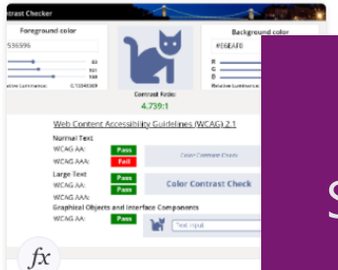
Carmen Ysewijn
Modified Apr 23 2021



Status Indicator

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

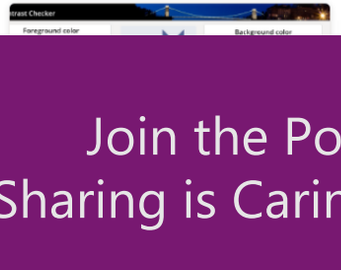
Derek Cash-Peterson
Modified Feb 23 2021



chkContrast

Calculates the contrast between two colors

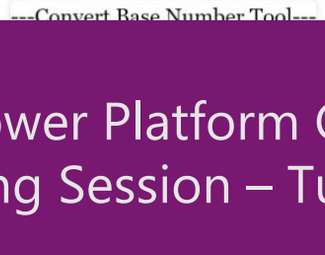
P3N
Modified May 07 2021



getLuminance

Calculates the relative luminance of linearized RGB colors

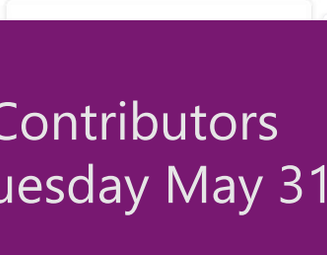
P3N
Modified May 07 2021



HexToDecimal

This function is used to convert hex to decimal.

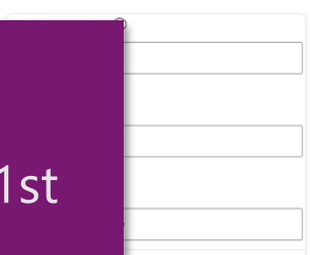
Korune
Modified Mar 13 2021



ConvertUnit

Perform unit conversion for length.

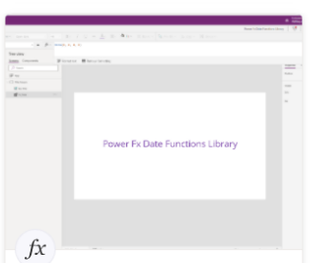
Hiroaki Nagao
Modified Mar 06 2021



IsInCurrentDay

Checks if a date occurs within the current day

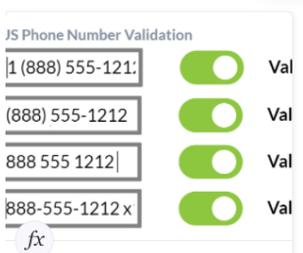
Matthew Devaney
Modified Feb 07 2021



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 – Tuesday May 31st

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

- Natalie Pienkowska & Miguel Verweij – Updates on Independent Publishing Connectors & Nederlandse Spoorwegen Demo

- Rick Van Rousselt - Data Loss Prevention (DLP) solution for emails with Microsoft Graph

- Thomas Gölles – TeamsFx .Net - Use sqlite and generic forms for you next Teams Dev demo

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: **June 9th at 07:00am PT**
Next Viva Connections & SharePoint Framework call: **June 2nd at 07:00am PT**
See all other community calls from https://aka.ms/m365/community

Microsoft

Microsoft

Thank you