

M365 SATURDAY BANGALORE 2022



@m365blr #M365BLR



www.m365event.com

3 December, 2022

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Session 5

**Turbo-boost your SPFx
upgrades and deployment
using CLI for Microsoft 365**

2.50 PM – 3.35 PM

SPEAKERS PANEL



Arjun Menon

Solution Architect |
Microsoft MVP

A Big Thank You to all the Sponsors!

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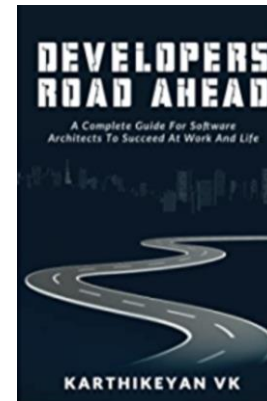
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Learning Partner:



WHO AM I

- **Solution Architect** with TCS
- **Microsoft MVP** (M365 Development)
- **Maintainer** – CLI for Microsoft 365
- **Core Team Member** – Microsoft 365 Patterns & Practices (PnP)



Arjun Menon



Agenda

- What is CLI for Microsoft 365 and its features
- Why CLI for Microsoft 365 is relevant to SharePoint Framework (SPFx)
- Demo through a Use Case

CLI for Microsoft 365

- Cross-platform way of managing Microsoft 365 workloads
- Accessible from almost any toolchain which is being used for Microsoft 365 development
- Secured and following the Microsoft 365 security practices

```
CLI for Microsoft 365 v6.0.0
Manage Microsoft 365 and SharePoint Framework projects on any platform

Commands:

login [options]    Log in to Microsoft 365
logout [options]   Log out from Microsoft 365
request [options]  Executes the specified web request using CLI for Microsoft 365
status [options]   Shows Microsoft 365 login status
version [options]  Shows CLI for Microsoft 365 version

Commands groups:

aad *              59 commands
adaptivecard *    1 command
app *              3 commands
booking *          2 commands
cli *              12 commands
file *             3 commands
flow *             14 commands
graph *            7 commands
onedrive *         8 commands
onenote *          1 command
outlook *          17 commands
pa *               10 commands
planner *          22 commands
pp *               21 commands
search *           4 commands
skype *            3 commands
spfx *             6 commands
spo *              291 commands
```

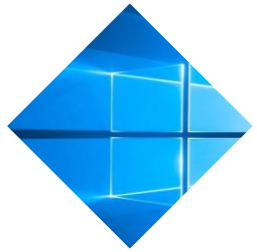
Supports almost all the Microsoft 365 Workloads

- Manage SharePoint site provisioning
- Managing Microsoft Teams
- Power Platform Management
- Managing Azure Active Directory



Where will I execute it from?

Any Operating System



- Windows
- MacOS
- Linux



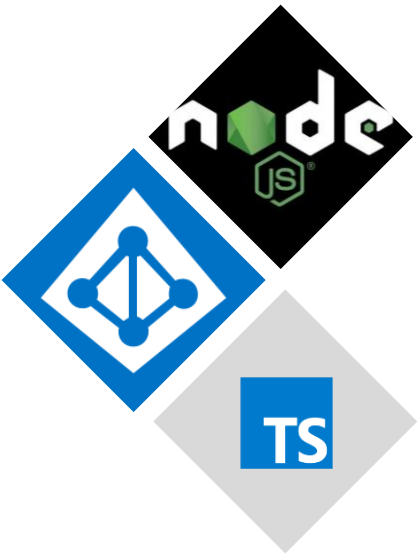
Any Shell

- PowerShell
- Bash
- Command
- etc.



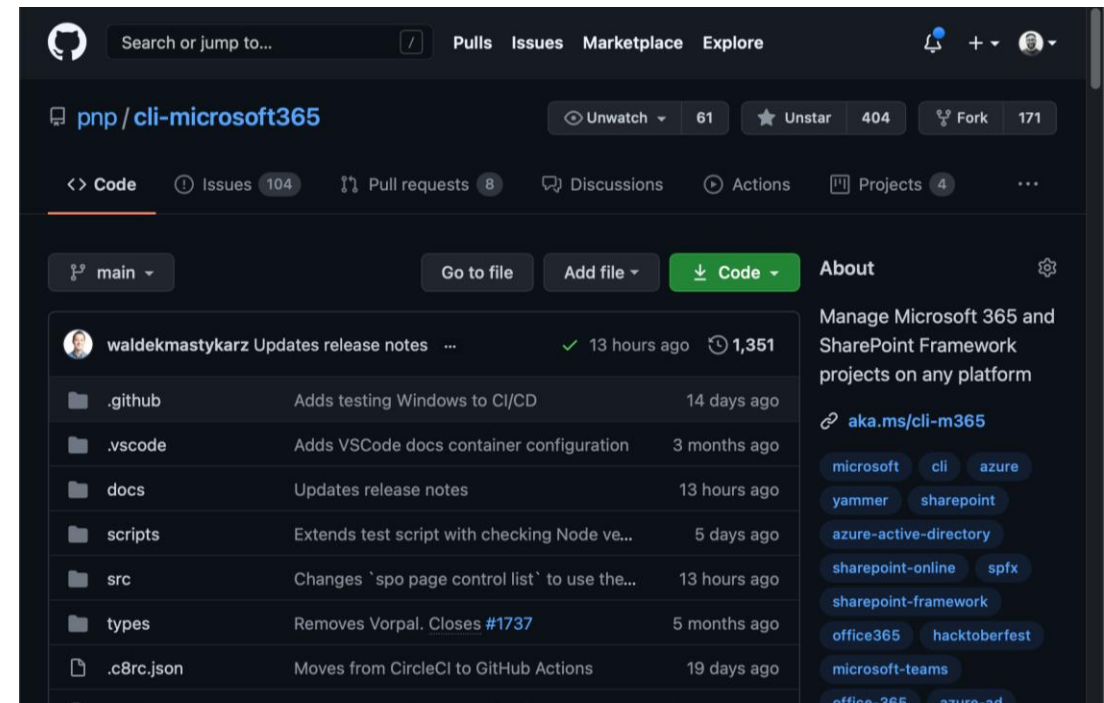
How is it built and who built it?

Built on Modern Tooling



- Node JS
- TypeScript
- Azure Active Directory

Built by the community for the community



How will I get started

- Any Package Manager
 - NPM
 - YARN
- Docker Container
 - Supports execution from a docker container
- CLI for Microsoft 365 is baked with Azure Cloud shell
 - You don't even need to install CLI in Azure Cloud Shell. It is baked within the shell



`npm install -g @pnp/cli-microsoft365`

A screenshot of the Azure Cloud Shell terminal. The browser address bar shows `https://portal.azure.com/#cloudshell/`. The terminal header says "Microsoft Azure" and "Search resources, services, and docs (G+/)". The prompt is "Bash". The user has run `npm list --global --depth=0`, and the output shows a tree structure with `@pnp/cli-microsoft365@5.9.0` highlighted in a blue box. Below the tree, there are several "npm notice" messages: "New major version of npm available! 8.15.0 -> 9.1.3", "Changelog: https://github.com/npm/cli/releases/tag/v9.1.3", and "Run npm install -g npm@9.1.3 to update!". The prompt is now `steve [~]$`.

What is with SPFx and CLI for Microsoft 365

- Both are built on similar toolchain
- Seamlessly co-exist
- SPFx Deployment is super easy!!



LIKE VEERU & JAI ?

Ready to turbo-boost SPFx development & deployment experience

M365 SPFX DOCTOR



Verifies your DEV Environment

M365 SPFX PROJECT DOCTOR



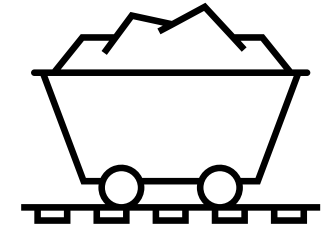
Gives the report of your SPFx Project folder

M365 SPFX PROJECT UPGRADE



Help to upgrade your older SPFx projects to a later version easily by giving report and steps to upgrade

Easy CI/CD Setup



Build CI /CD Pipelines in Azure DevOps and GitHub

Let us see it in action

Use Case

- Want to deploy a Webpart which shows the M365 Groups (Using PnP Webpart)
- Need to validate the project
- Implement CI/CD for the same
- Bonus Action : Rename the SPFx Project easily
- Code Repo :
<https://github.com/arjunumenon/M365SatBLR-2022>



THANK YOU

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Next Session

Extend Microsoft Viva Connections with SPFx

3.50 PM – 4:35 PM

SPEAKERS PANEL



Kirti Prajapati

Modern Workplace Consultant | Office
Development MVP |

Session 1

Welcome Note

09:00 AM – 09:15 AM IST

SPEAKERS PANEL



Deepak Rajendran

Driving Advocacy Programs

Microsoft

Session No.

Session name

Session Time

SPEAKERS PANEL



Speaker 1

Designation



Speaker 2

Designation

Session No.

Session name

Session Time

SPEAKERS PANEL



Speaker Name

Designation

Next Session

Session Name

Session Time

SPEAKERS PANEL



Speaker Name

Designation

A One Day In Person Event

- Hands on sessions by experts and community leaders
- Deep-dive into Microsoft 365 Services
- Focus on:
 - Microsoft Teams
 - Power Platform
 - SharePoint

Win exiting prizes!



Lenovo M10 FHD
Plus (2nd Gen)



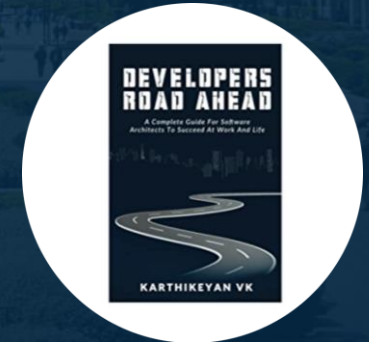
JBL Tune 125TWS



boAt Blaze Smart Watch



Cool Water Bottle



Developer Road Ahead

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“Giving is Receiving”



Support 'Scope for Change' to create more impact and touch the lives of more underprivileged students.

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