Microsoft

>_ State of the Shell

PowerShell Team

Welcome to the PowerShell Gallery

The central repository for sharing and acquiring PowerShell code including PowerShell modules, scripts, and DSC resources.

The packages on this repository are community content and should be regarded as inherently untrusted.

Search PowerShell packages:

Az, etc...

13,860	20,789,159,190	433,482
Unique Packages	Total package downloads	Total packages

File   Edit   Selection   View   Go   Run   ···   ← → 🔍 vscode-docs - Extension: PowerShell

EXTENSIONS: MARKETPLACE

powershell

PowerShell
Develop PowerShell modules, com...
Microsoft   Install
👁 13.8M ★ 3.5

PowerShell Pro Tools
Powerful extensions for PowerShell ...
Ironman Software   Install
👁 268K ★ 3.5

Run in Powershell
Runs scripts in a new Powershell ter...
Toby Smith   Install
👁 92K ★ 5

Azure PowerShell Tools
(preview) Automate the migration ...
Microsoft   Install
👁 92K ★ 2

Inline Values support ...
Enables inline values for variables w...
👁 86K ★ 5

Extension: PowerShell ✕

PowerShell
Microsoft ✔ microsoft.com   👁 13,817,264   ★★★★☆ (166)
Develop PowerShell modules, commands and scripts in Visual Studio Code!

Install ⌄   ✓ Auto Update ⚙

DETAILS   FEATURES   CHANGELOG   DEPENDENCIES

PowerShell for Visual Studio Code

CI Tests passing   version rate limited by upstream service   installs 14M
#vscode 2.8k online

This extension provides rich PowerShell language support for Visual Studio Code (VS Code). Now you can write and debug PowerShell scripts using the excellent IDE-like interface that VS Code provides.

This repository, `vscode-powershell`, is the Language Server Protocol client for VS Code and `PowerShellEditorServices` is the server (also used by other editors, such as Emacs and Vim).

Available Features

- Syntax highlighting
- Advanced built-in code snippets
- IntelliSense for cmdlets and more
- Problems reported by PowerShell Script Analyzer
- Go to Definition of cmdlets, variables, classes and more
- Find References of cmdlets, variables, classes and more
- Document and Workspace Symbol Navigation

Installation
Identifier	ms-vscode.powershell
Version	2025.0.0
Last Updated	2025-02-20, 17:04:25
Size	302.78MB
Cache	5.27MB

Marketplace
Published	2015-11-17, 18:50:38
Last Released	2025-01-21, 14:15:53

Categories
Debuggers   Formatters   Programming Languages   Snippets   Linters

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⊡ PowerShell   ✕   + | ⌄

```
PowerShell 7.5.0
PS C:\Users\sysmith2> Connect-Azaccount -Tenant
```
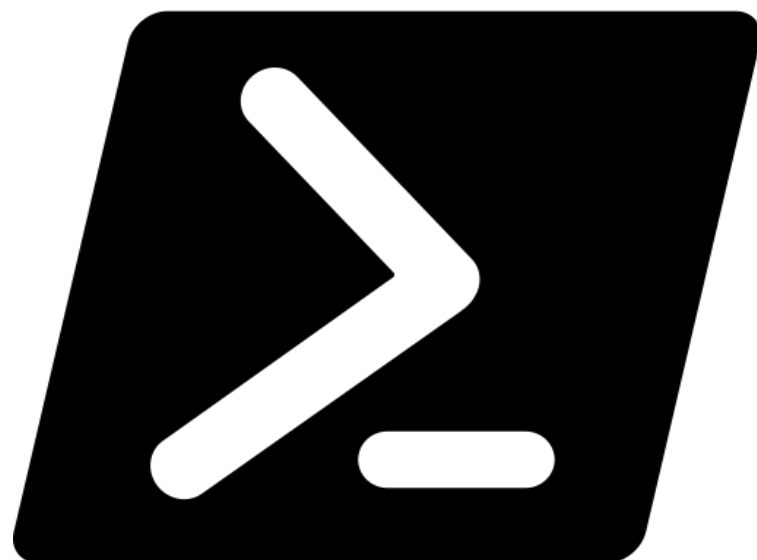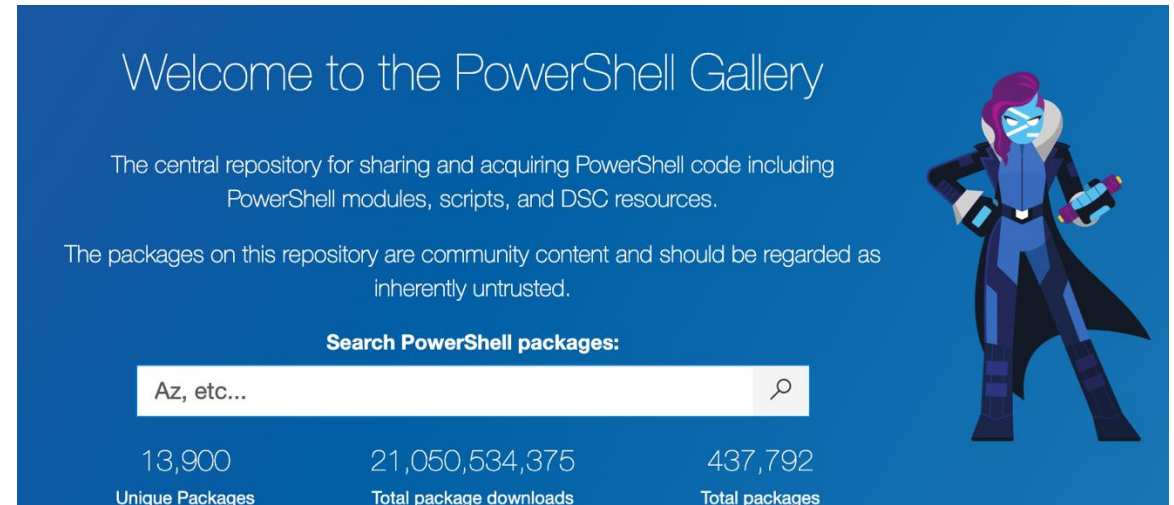
PowerShell Public   📌 Edit Pins ▾

PowerShell 7.5 & telemetry

· Release of PowerShell 7.5

· *450+* published packages a day to the Gallery!

· *200M+* Machines using PowerShell 7 monthly

· *2B+* PS7 Sessions per month!

Az Module now in trusted MAR


```
PS C:\Users\sysmith2> Install-PSResource Az -Repository MAR
```


Microsoft | Microsoft Artifact Registry   Search 🔍

Back to catalog

Az
Microsoft

Repository: mcr.microsoft.com/psresource/az 📋

Last Published
02/27/2025

Pulls
655

Categories
Programming Languages
DevOps Tools

Project
🌐 Project Website
📄 Apache-2.0 License

About **Tags**

Filter: | By Name, Artifact Type, Pkg, OS, Arch, or Digest |

	Artifact	Type	Digest	Last Published
>	**13.2.0**	application/vnd.oci.image.config.v1+json	sha256:38a362e0ec5a7af4c85c7f56fdfaf47de1498b120ac0213fd4e7b391efe3c63a	02/27/2025
>	**13.0.0**	application/vnd.oci.image.config.v1+json	sha256:16d50b9d2ddec4eb0148c44fc7683925d7e3f89e1b724815f97b7c6c9c3c1819	02/09/2025
>	**13.1.0**	application/vnd.oci.image.config.v1+json	sha256:4205d579e41e380e5d9dcb8c692d960f0c69f95a72b87a776ead29674d0e0492	01/22/2025

‹ Previous **1** Next ›

Azure CLI and PowerShell feature update

- **WAM** – Microsoft Web Account Managed is now the default authentication mechanism on Windows.
- **Get-AzAccessToken** in Azure PowerShell introduced a breaking change by updating the parameter type String -> SecureString.
- Azure CLI and PowerShell Long Term Support releases (**LTS**)
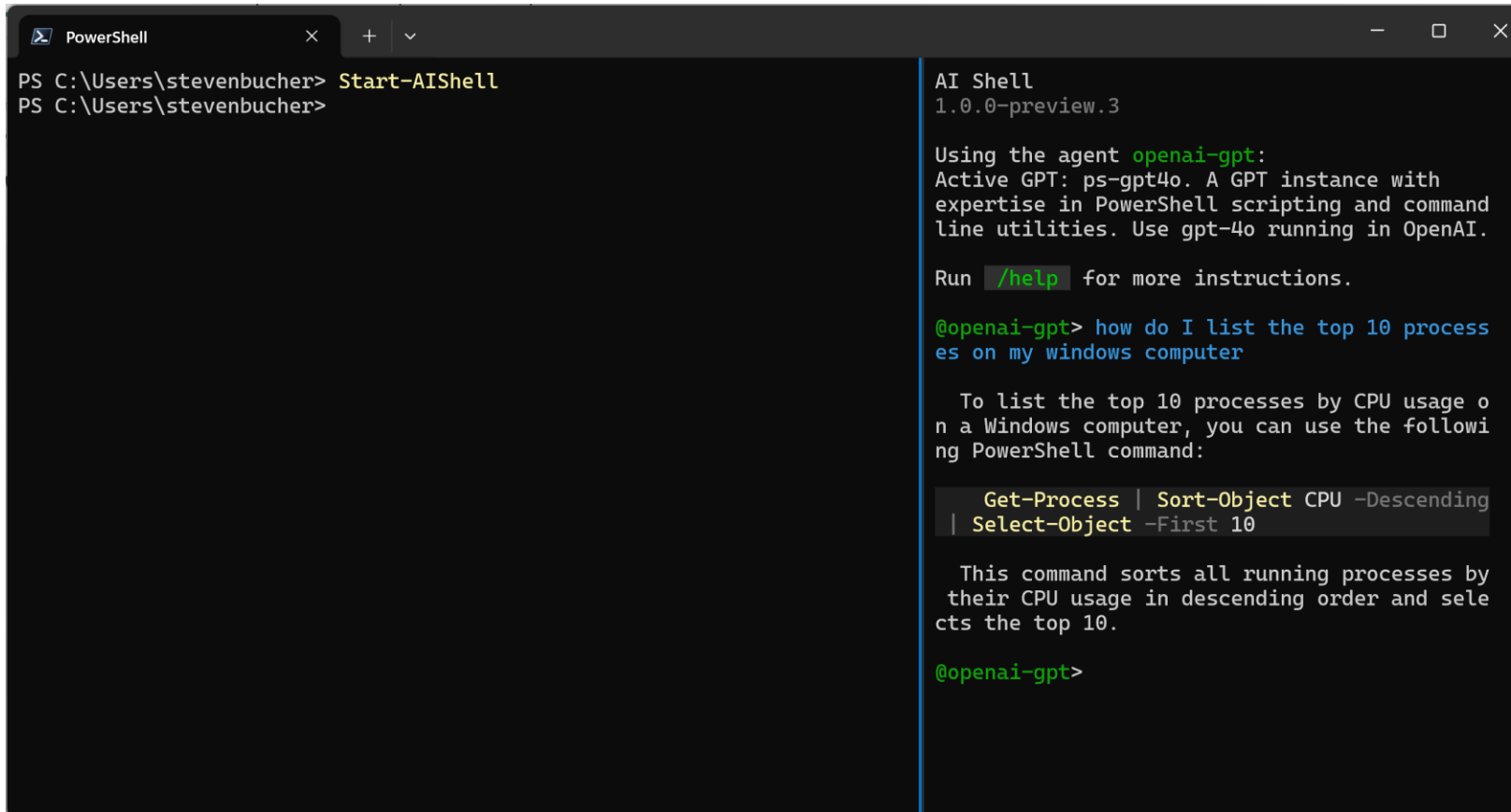- Improve Copilot's response quality and performance (CLI&PS)

AI Shell

- AI assistance directly in your Shell

Desire State Configuration (DSC) version 3

- Configuration step that is deeper in the stack
  - Think of standing up an ACR instance with Bicep but now being able to do something about it
- Decoupled from PowerShell
- Resources written in any language
- Configs written in JSON, YAML and Bicep

Thanks to the
community for their
vital involvement!

3.1 is GA!

(guess what 3.2 is coming soon!)

This demonstration is on Windows Server 2025.
- Configure a simple web server
- Using DSC v3 with Bicep configuration file
- Using PSDSC v1 WindowsFeature resource

OpenSSH for Windows

· Increasing where you can use SSH in an easy seamless manner

· SSH Server (SSHD) is installed-by-default on Windows Server 2025

· SSH Posture Control supports auditing and configuring SSH Server settings on Azure machine

"One thing we have learned over years is that the world moves quickly, and building is easy but supporting is hard.... "

- Sydney Smith 2025

https://xkcd.com/2347/
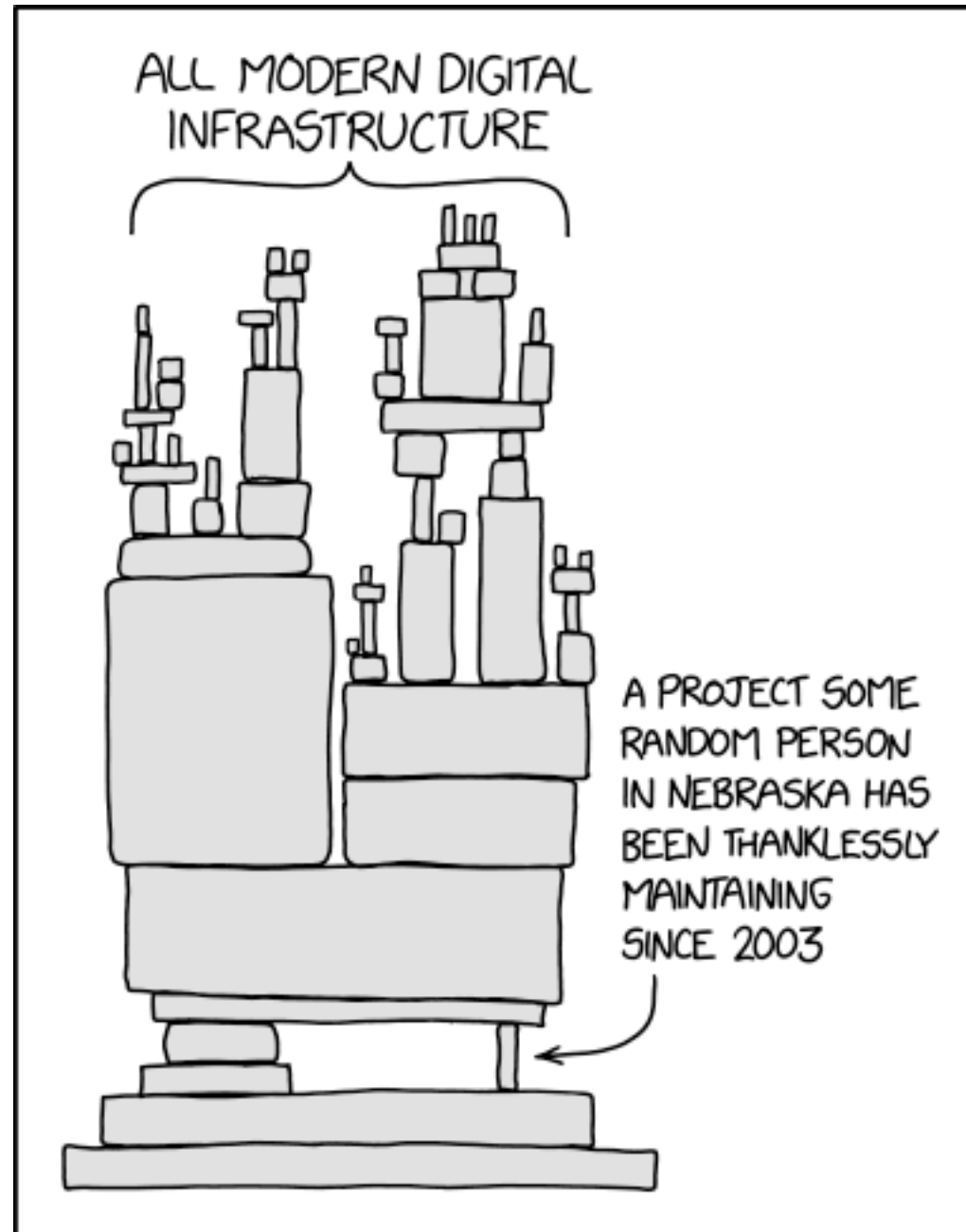
Core fundamentals

· Security

· Privacy

· Quality

· Supportability

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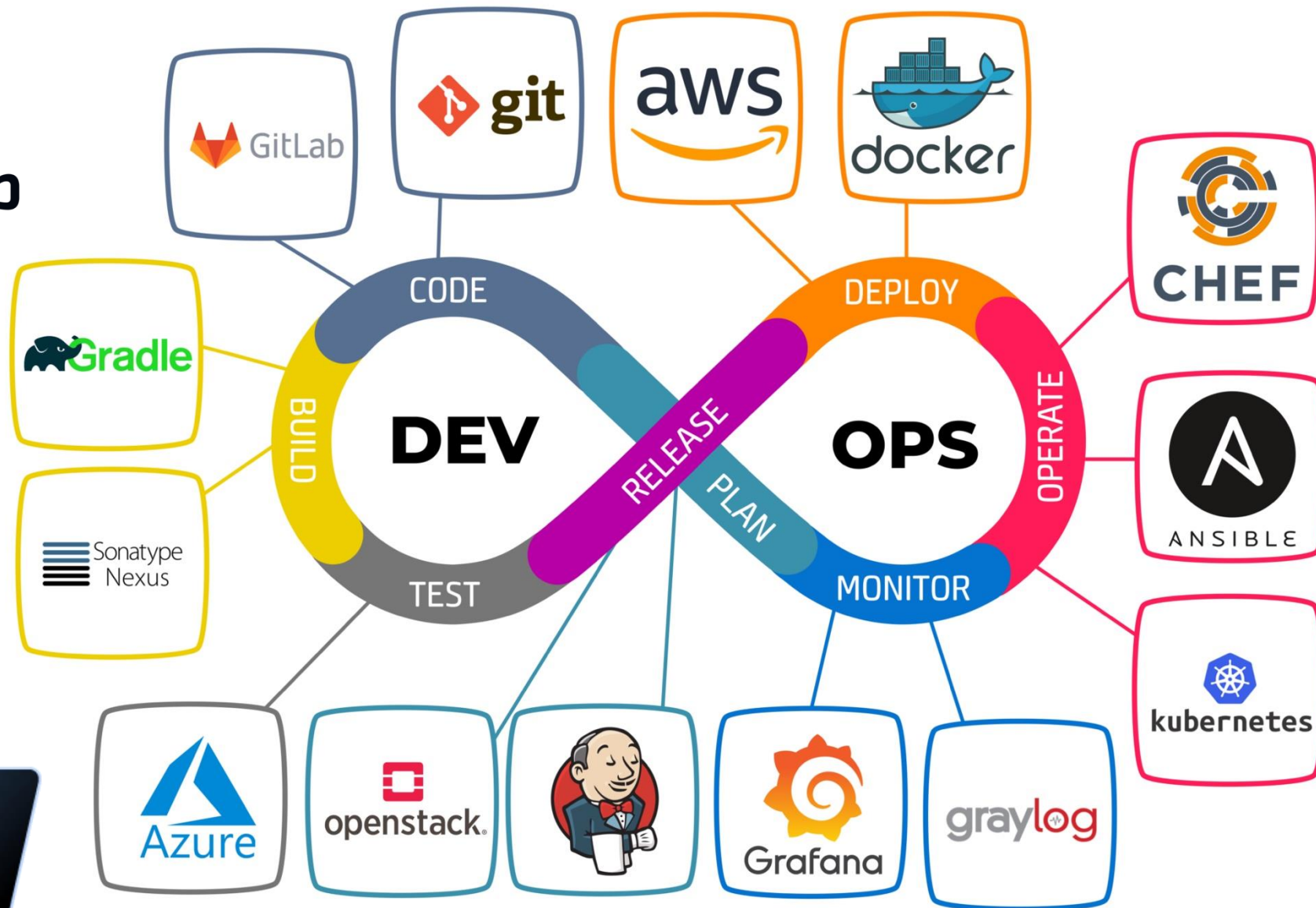| Published	2015-11-17, 18:50:38
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PowerShell × + ∨

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Call to action!

· Take the opportunity take someone's learning as your training

Schedule of Sessions

- Monday
  - 1pm - **What's new in WinGet** – Demitrius Nelon
- Tuesday
  - 2pm - **PSResourceGet: Enhancing Trust in the Supply Chain with Container Registry Galleries** – Anam Navied
  - 5pm - **Mastering AI Shell and dive into AI Operations** – Steven Bucher
- Thursday 1pm -
  - **Secure your cloud environment with all-new Azure Policy and Machine Configuration features!** - Mutemwa Masheke
  - **SSH and SSH Arc: What's new and next** – Tess Gauthier
  - **PowerShell 7 Security** – Anam Navied

To stay in touch

- Join the community call 3rd Thursday of every month 9:30am
  - March and September are hosted for alternate time zone
  - https://aka.ms/PSCommunityCallInfo
- Get involved in the community!
- Learn something new this week!

Resources for core principals

- Script security
- Script authoring
- Execution policies
- PowerShell Docs

https://aka.ms/SOTS2025