



PowerShell Conference Europe

State of the Shell

Steven Bucher and Sydney Smith



PRAGUE23



Many thanks to our sponsors:



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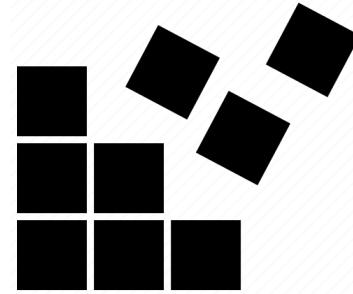
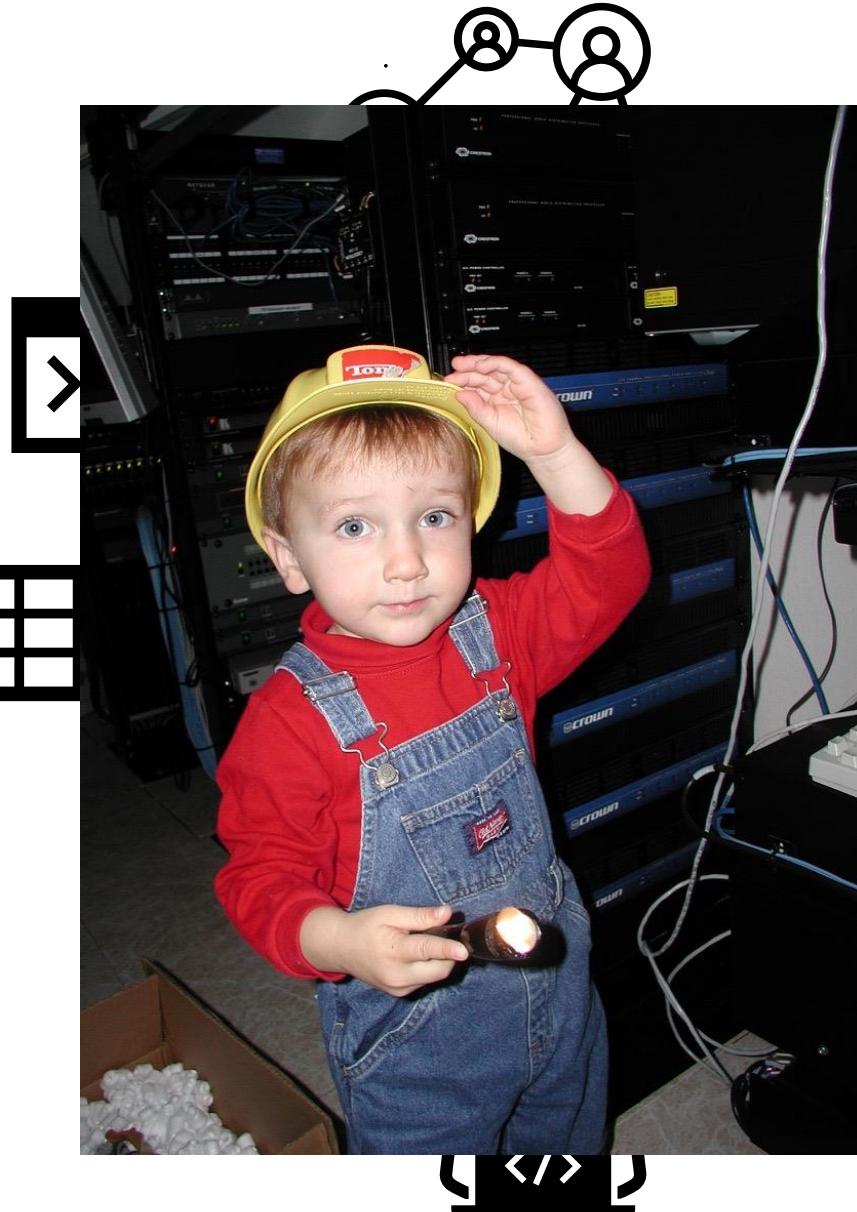
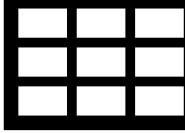
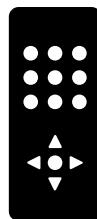
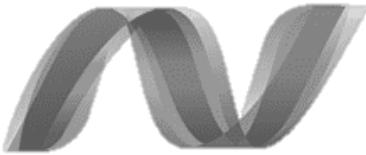
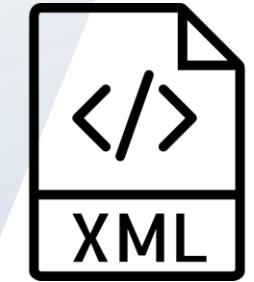
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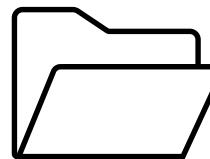
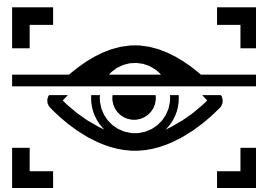
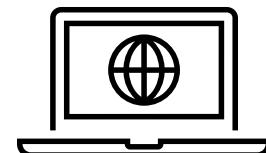
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Designed on the tenents

Security

Testability

Supportability

Consistency

Scalability

Discoverability

Extensibility

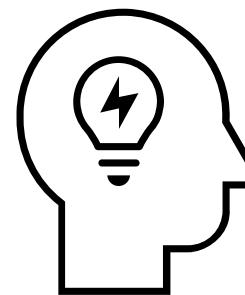
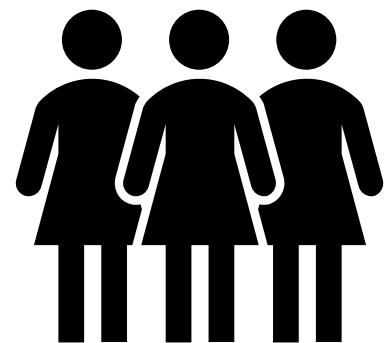
Reliability



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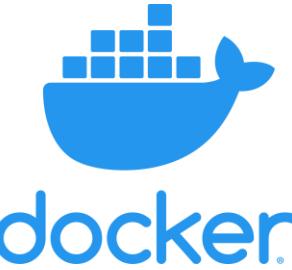
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x86

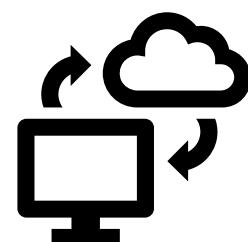
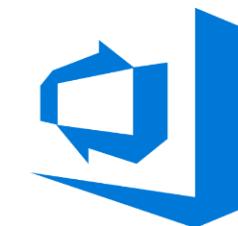
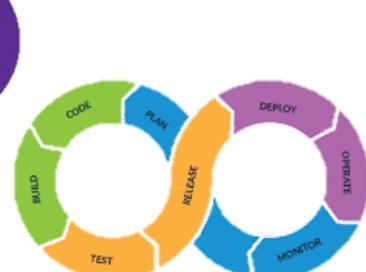
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.msi
.rpm



x64

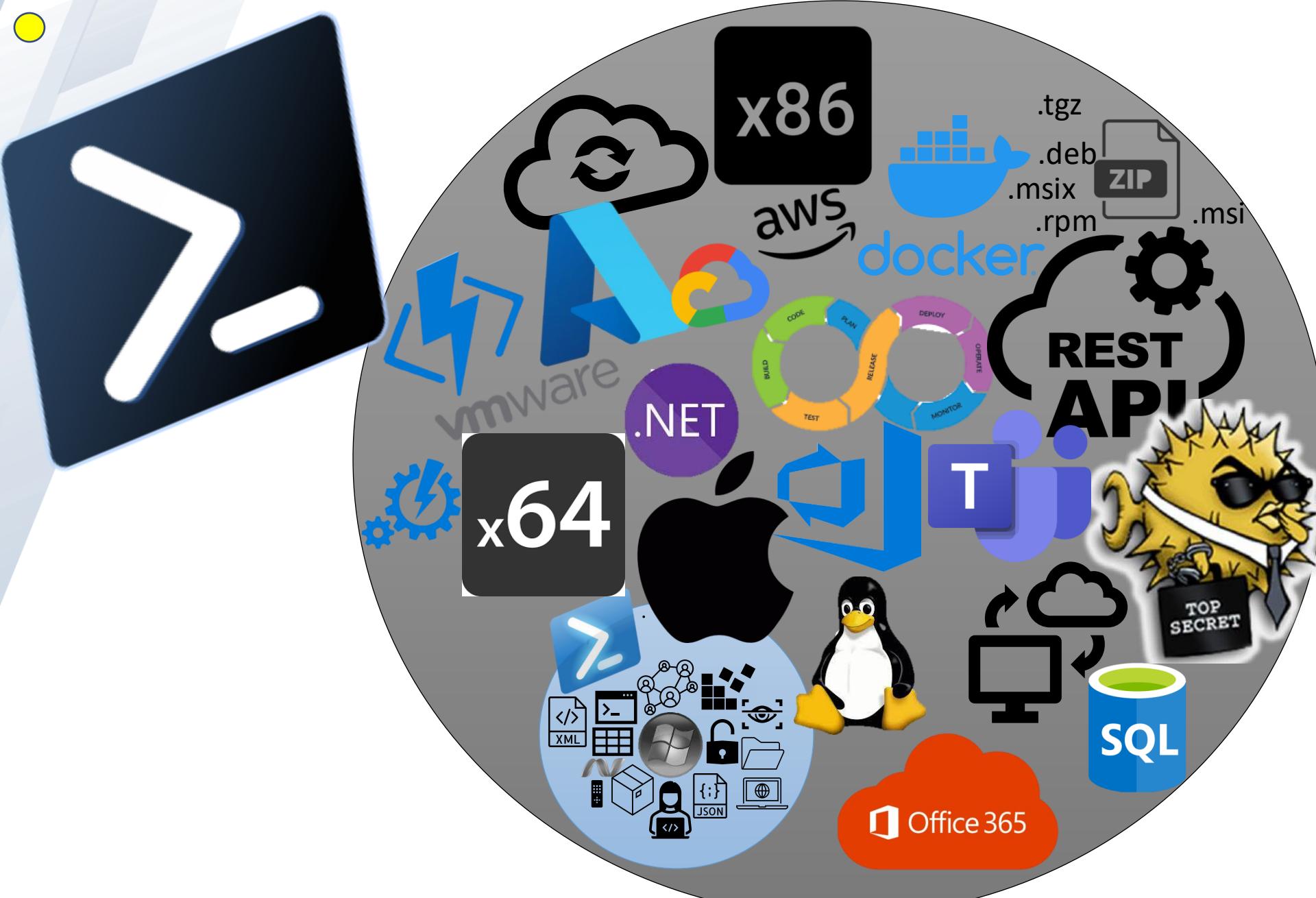
.NET



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The tenants remained the same

Security

Testability

Supportability

Consistency

Scalability

Discoverability

Extensibility

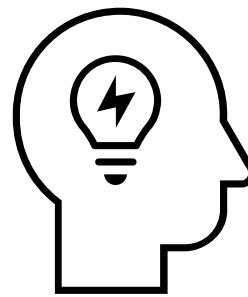
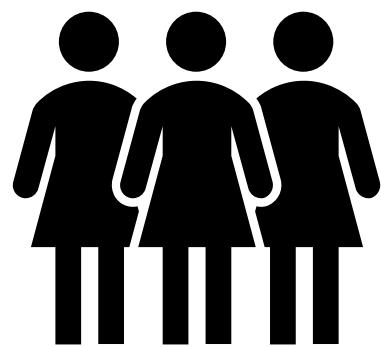
Reliability



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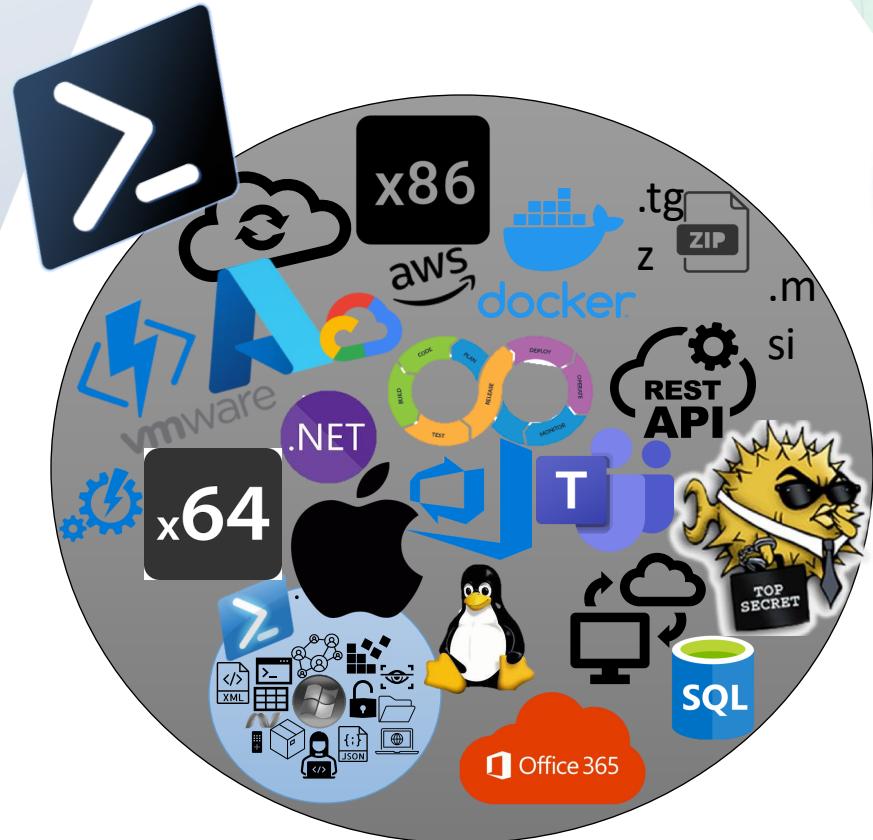
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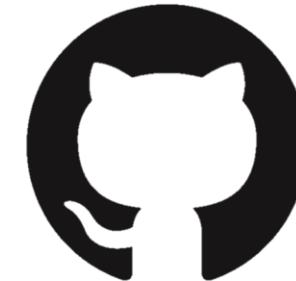
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Stronger Ecosystem



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What we've been up to

- Open SSH 9.1
- Open SSH 9.2
- Improve suggestion framework and make it pluggable
- Mariner arm64 AzPS container
- VSCode Configurability for CodeLens and History
- VSCode Shell Integration
- VSCode symbols fixes
- VSCode debugger fixes
- Local Session Configuration
- Custom ConnectionInfo
- Improve AMSI support
- Improve WDAC support
- Crescendo 1.1 preview
- PSSA 1.21
- Completers for Azure CLI
- PSReadLine improvements
- Predictor list scrolling and tool tips
- Feedback provider
- PowerShellGet 3.0 previews
- Get-WhatsNew
- NativeArgPassing
- PSES support for non-VSCode integrations
- JSON Adapter RFC
- PowerShell Telemetry Improvements
- All new Azure services have a command line tool within 30 days of GA
- Support for Web Authentication Manager (also known as Windows broker) by Azure CLI and Azure PowerShell
- Refreshed 9 Azure PowerShell module to using a newer API version
- Implemented 5800+ live tests on each release for Azure command line tools
- Maintained 72h SLA on GitHub issues responses
- Exposed Azure command line tools in Azure Portal for 14 resources types for PowerShell
- Reduced Azure CLI footprint on Windows by 30%



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PowerShell 7.3.4

Loading personal and system profiles took 1462ms.

PS /Users/stevenbucher> █

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What you've been up to...



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2023

PowerShell Sessions

OS ● Linux ● macOS ● Microsoft Windows

1400M

1200M

1000M

800M

600M

400M

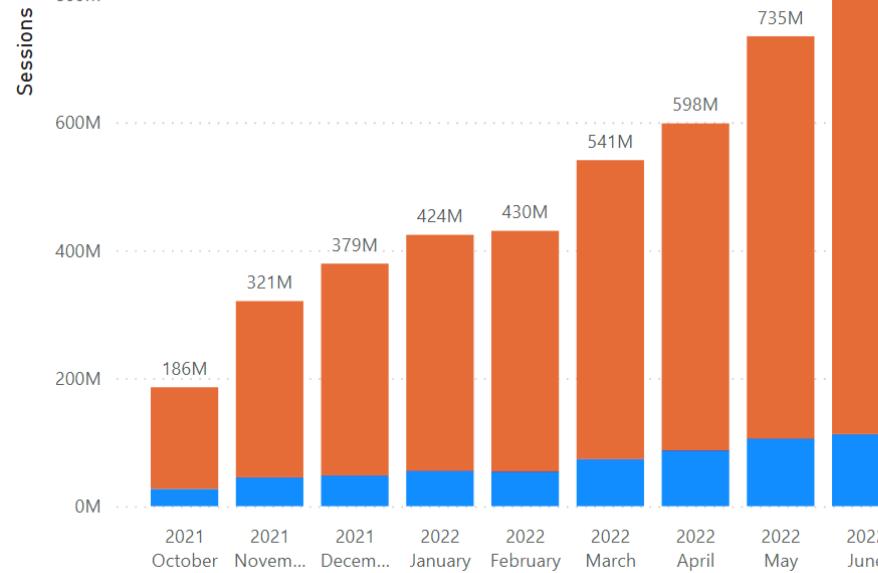
200M

0M

PSConfEU 2022

804M

804M



PSConfEU 2023 -

1.3+ BILLION



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Working Group Members

IISResetMe
daxian-dbw vexx32
theJasonHelmick anmenaga
rkeithhill doctordns kilasuit
SteveL-MSFT jborean93 PaulHigin gaelcolas
TravisEz13 jdhitsolutions
adityapatwardhan jhoneill JamesWTruher
SeeminglyScience
michaeltlombardi



PowerShell Gallery

11,000 unique packages

300+ million monthly downloads



220,000 total packages

8.6 billion total downloads



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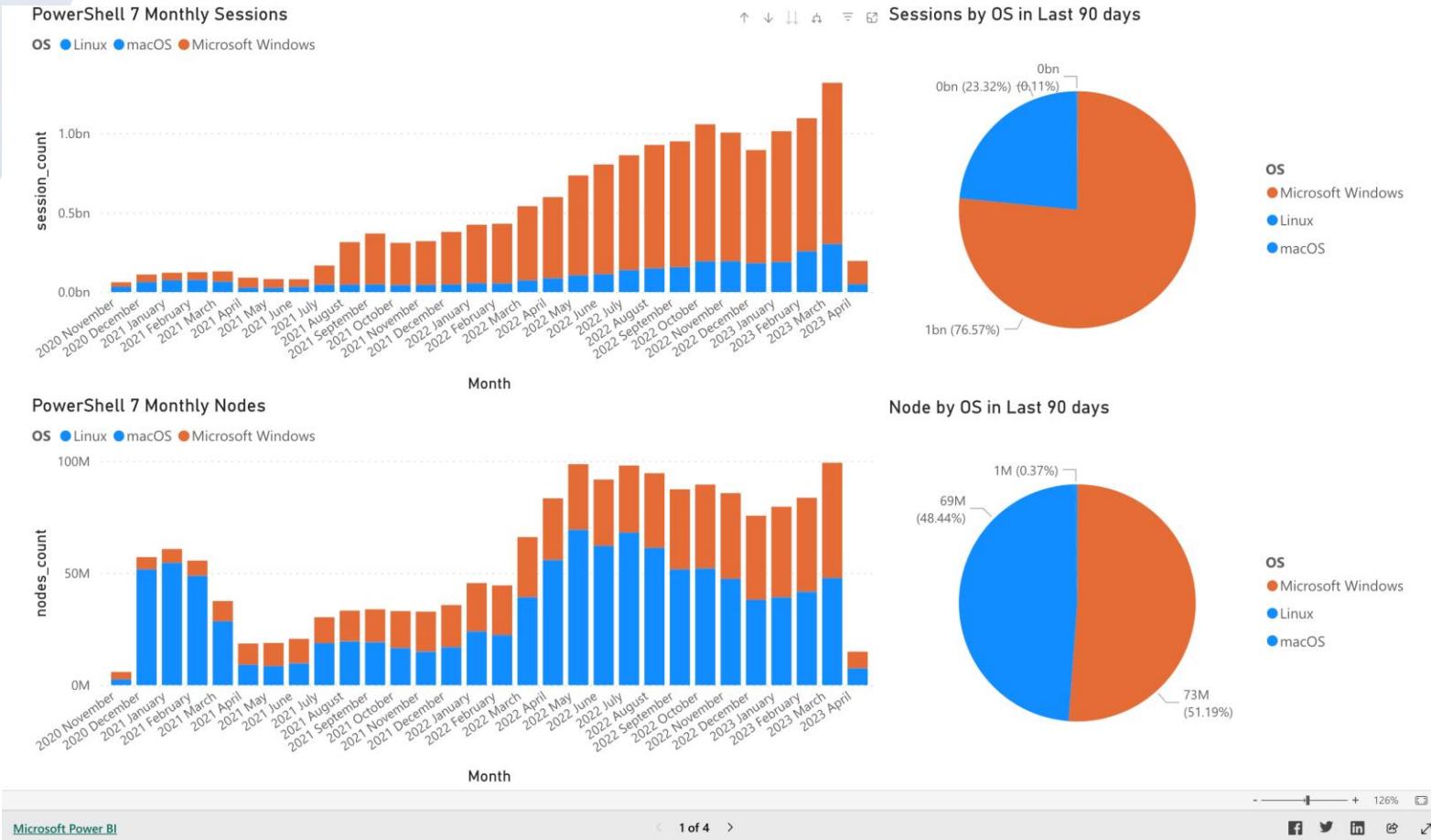
Windows OpenSSH usage data

- Over 4 million total GitHub downloads!
- 54K of latest version (v9.2.0.0p1-beta) release Feb 2023



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Public Dashboard



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Aka.ms/PSPublicDashboard

We'll be here all week

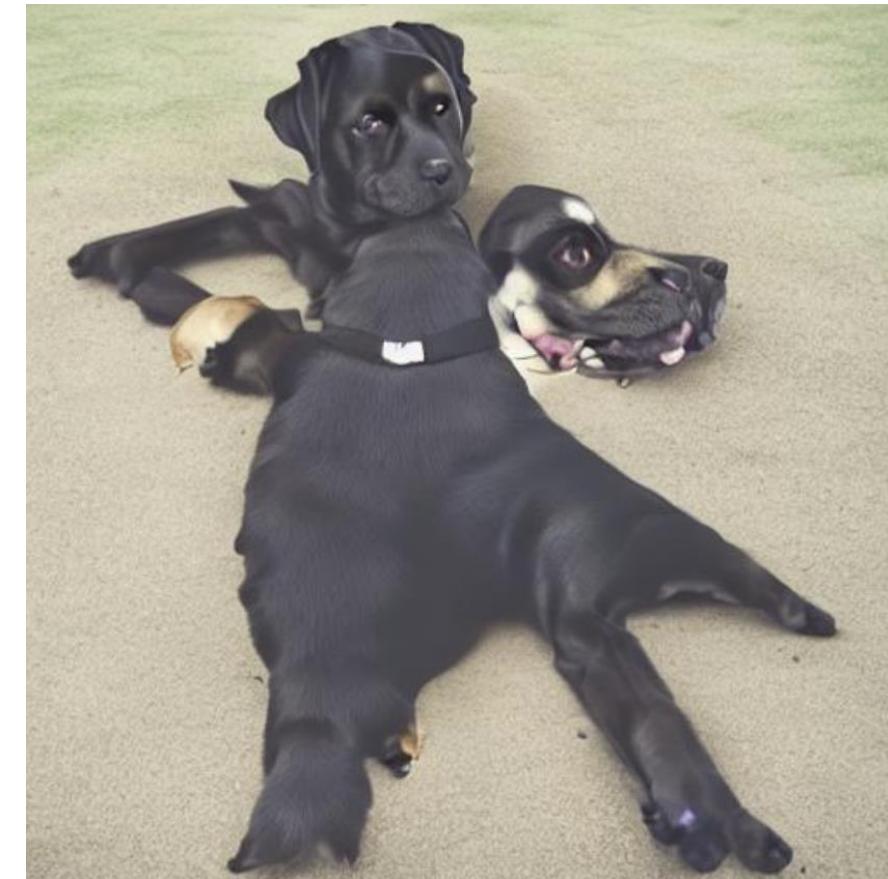
- Monday
 - 14:00 Lets get hybrid! Demo session on how to bring your best practices into the cloud.
 - 15:00 Shell Enhancements
 - 15:00 WinGet the Windows Package Manager
- Tuesday
 - 9:00 Azure Security, Compliance, and Management Anywhere
- Wednesday
 - 14:00 What's new with PowerShell Repositories
 - 16:00 Resolving PowerShell Module Assembly Dependency Conflicts
- Thursday
 - 10:00 PowerShell Extension for VSCode Deep Dive
 - 14:00 Ask the Experts



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Thank you

- Enjoy the conference!
- Get PowerShell: <https://aka.ms/Get-PowerShell>
- Stay in Touch!
 - [PowerShell GitHub](https://github.com/powershell)
 - www.github.com/powershell
 - PS Community Call – 3rd Thursday of every month
 - www.aka.ms/joinPSCall
 - [PowerShell Team Blog](https://devblogs.microsoft.com/powershell)
 - <https://devblogs.microsoft.com/powershell>
 - [PowerShell Team Twitter](https://twitter.com/PowerShell_Team)
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