

The Present and Future of PowerShell (Core)



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Agenda

- Intro
- What is PowerShell Core?
- Installing PowerShell Core on Windows (Windows Server 2016, 1803)
 - Filling the gaps on the Windows side with WindowsCompatibility
 - WinRM PS remoting into PowerShell Core
 - OpenSSH PS remoting (with Windows)
- Installing PowerShell Core on Linux (Ubuntu Server 18.04)
 - OpenSSH PS remoting (with Linux)
- The Future of Windows PowerShell and PowerShell Core

What is PowerShell Core?

- Changed runtime from .Net Framework to .Net Core
- Support for MacOS and Linux (and of course Windows)
- SSH-Based PowerShell Remoting now available
- Semantic Versioning support
- Side by Side installs
- Getting all the new features and updates
- No PowerShell Core ISE, VSCode is the way to go!
- Now pwsh instead of powershell
- Better web Cmdlets (like, A LOT better)
- No DSC or JEA, yet...

PowerShell Core Today

- PowerShell Core 6.1 just released!
- Moved to .Net Core 2.1
 - Faster (performance improvements)
- Markdown Cmdlets
- Windows Compatibility Pack
 - *“The Windows Compatibility Pack enables PowerShell Core to use more than 1900 cmdlets that ship with Windows 10 October 2018 Update and Windows Server 2019.”*
- More web Cmdlet improvements (Invoke-WebRequest and Invoke-RestMethod)
- PS Remoting Improvements

PowerShell Core on Windows Server 2016, 1803 SA

- Installing PowerShell Core on Windows Server 2016 (1803 Semi Annual)
- PowerShell Core WSMAN Remoting
- Filling some of the gaps with WindowsCompatibility
- Noteable Extras (Markdown Cmdlets)



PowerShell Core on Ubuntu Server 18.04 LTS

- Installing PowerShell Core on Ubuntu Server 18.04 LTS
- PowerShell Remoting with SSH



The Future of PowerShell

- Windows PowerShell isn't going anywhere, but it probably won't be getting any updates either
- PowerShell Core is getting a lot of updates and features, it doesn't have feature parity with Windows PowerShell (*YET!...*)
- In-Box Module Support for many existing Windows PowerShell modules on **Windows 10 October 2018 Release** and **Windows Server 2019**
- VSCode is getting all the features, ISE doesn't seem to be
- SSH looks like it might be the preference
- Probably won't be called PowerShell Core forever (Jeff Snovers prediction)
- PowerShell Core version timeline moves quickly
- Hopefully included in distribution specific repositories like Ruby or Python

Thank You