

Ş **PowerShell Availability**  PowerShell v2 is available for • Pre-installed in Windows Server 2008 R2 and Windows 7 • .NET Framework 2.0 SP1 required • .NET Framework 3.5 SP1 required for ISE



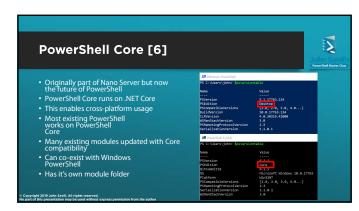
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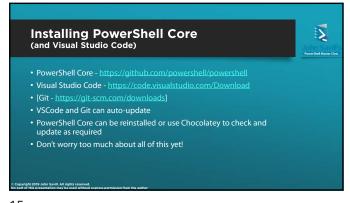


Ž PowerShell v5 New cmdlets such as Get-ItemPropertyValue (to look at property values directly). Windows PowerShell Integrated Scripting Environment (ISE) updates Windows PowerShell Desired State Configuration (DSC) performance and optimizations (and bug fixes) Network Switch cmdlets (in the NetworkSwitch module), which allow management of switches that are Windows Server 2012 R2 certified to have management related to global configuration, VLAN configuration, and Layer 2 port configurations performed.

OneGet, which allows the discovery and installation of packages from around the web, including services such as Chocolatey · Part of WMF 5.0







Windows PowerShell vs PowerShell

Windows PowerShell will continue to ship as part of Windows but is unlikely to get new capabilities

PowerShell Core is the future of PowerShell innovation

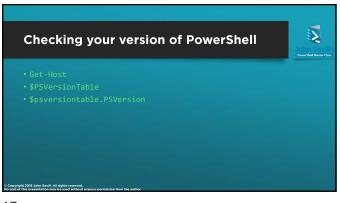
PowerShell Core is available cross-platform

Expect more functionality and modules to support PowerShell Core

Where possible make PowerShell Core your primary environment with development using Visual Studio Code

Windows PowerShell is still available side-by-side to be used if required

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Sabit and 64bit PowerShell

Both 32 and 64-bit versions available

A 32-bit OS can only have the 32-bit version installed

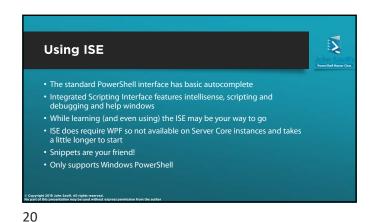
A 64-bit OS has both the 64-bit and the 32-bit versions installed

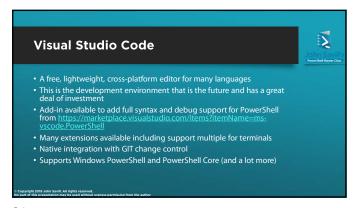
Use 32-bit when installing a module that requires 32-bit or connecting to a 32-bit computer

For PowerShell Core you pick the version to install

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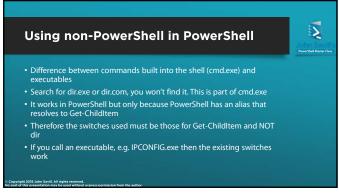




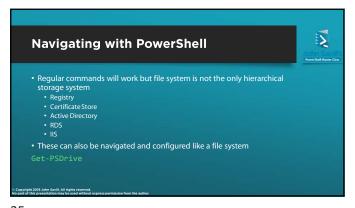


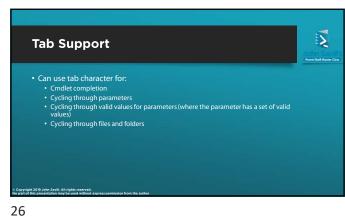
Ž Start with Interactive Shell • Best way to get started is using PowerShell as an interactive shell • The shell environment can be customized just like a command prompt window • Start with navigating round the file system · Dir works! • But the switches don't, e.g. dir /s, why? · Intrisic vs external cmd.exe commands

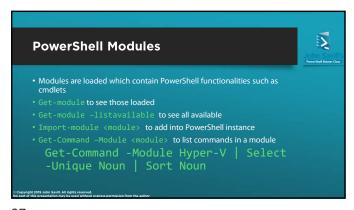
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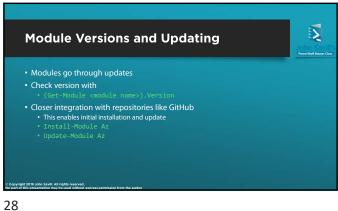


Ž Aliases are your friend · At least initially PowerShell cmdlet • However start to learn the proper PowerShell methods rather than relying on aliases long term









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