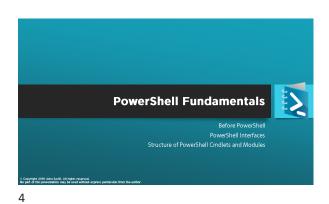


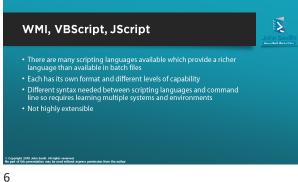
Because this is online I will be updating it as required

Key module themes:
PowerShell Fundamentals
Remote Management with PowerShell
Connecting commands together and mastering objects
Creating a PowerShell Script
Advanced scripting techniques
Parsing data and working with objects
Parsing data and working with objects
Desired State Configuration
PowerShell Workflows, Azure Automation and Azure Functions
The best of the rest



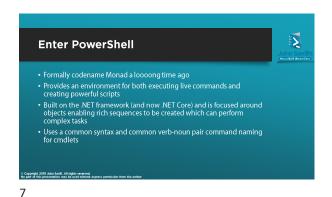
The World Without PowerShell

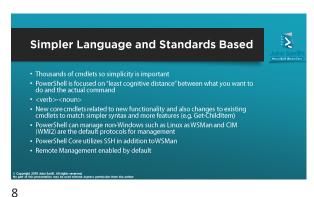
Many administrators are used to the command prompt
The command prompt has some built-in commands such as dirand can call separate executables such as ipconfig
Batch files can be created to perform a fixed set of tasks
Some pipelining (I) is possible but the output from commands is a text string

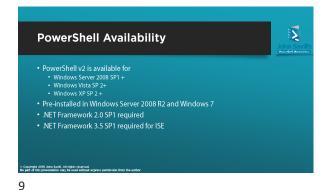


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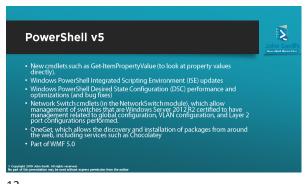
Standard in Windows Server 2012 R2 and Windows 8.1

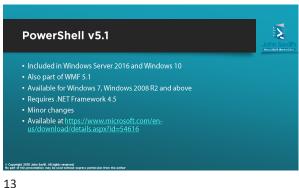
Also available as part of Windows Management Framework (WMF) 4.0

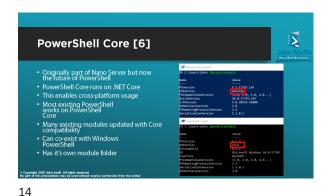
http://www.microsoft.com/en-us/download/details.aspx?id=40855

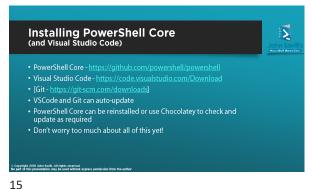
Available for Windows Server 2008 R2 SP1, Windows Server 2012 and Windows 7 SP1

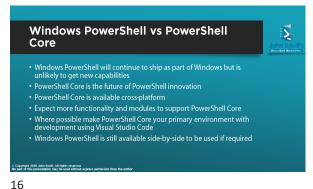
Still have version 2 available







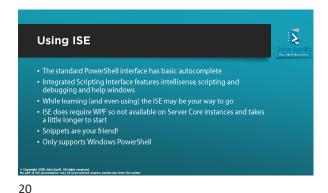


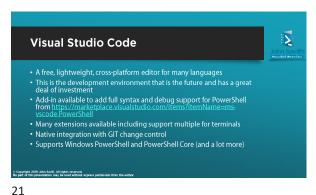


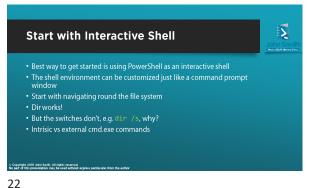




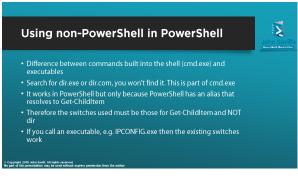


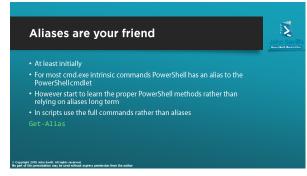


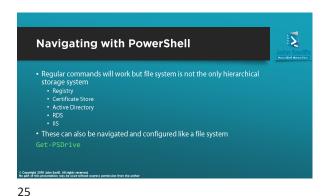


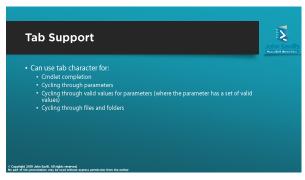


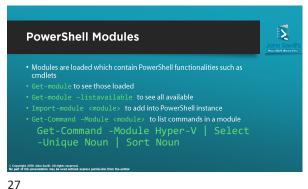
21 2

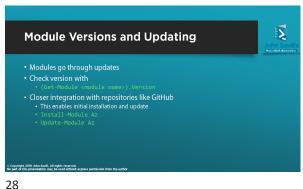




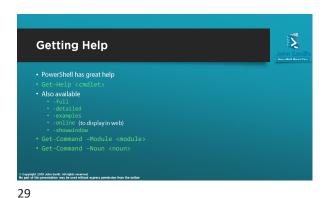








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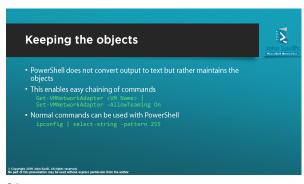




Semicolon

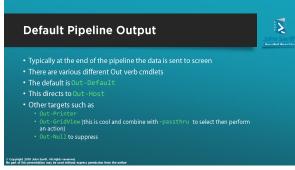
Do not have to terminate commands
You can if you want
I lyou want to run multiple commands on one line that are not using objects down the pipe use;

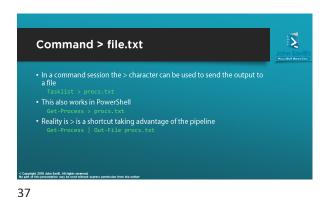
<command 1>;<command 2>

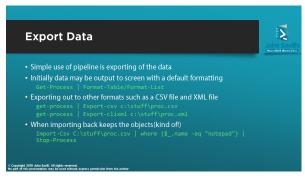


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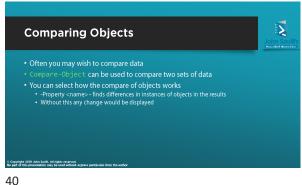




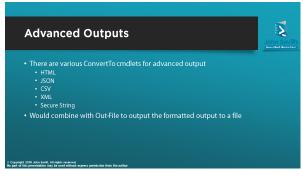


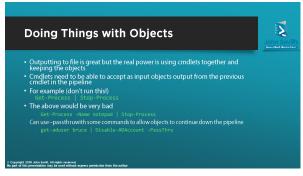


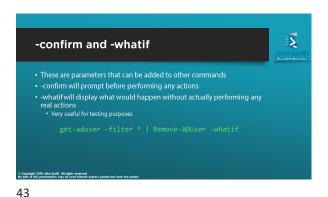




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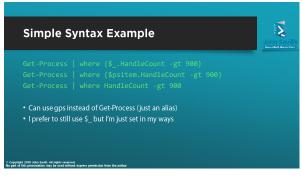




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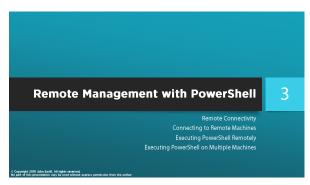


What is \$\_ ??? • Objects are passed from one command to another but sometimes an attribute of a passed object needs to be used \$\_ represents the current pipeline object and lets you access a property of a piped in object instead of the entire object

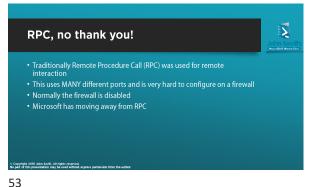


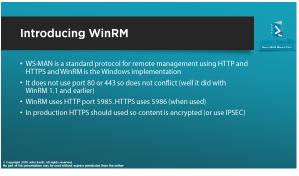


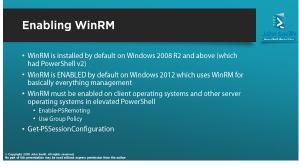




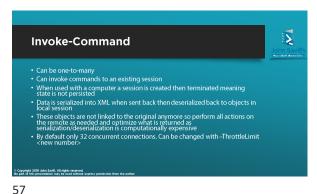




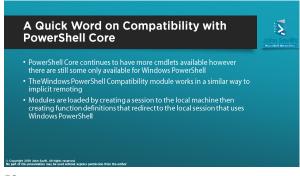




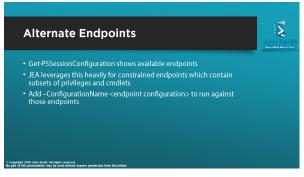




One-to-one
Can create sessions in advance then enter the session or just create on demand
Can import-modules FROM a session and then execute them, known as implicit remoting
Can add a prefix so can load module on multiple remote sessions



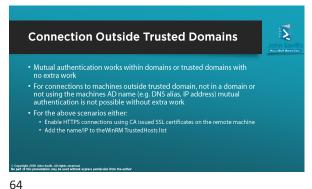
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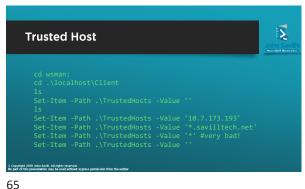












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