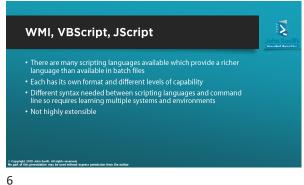
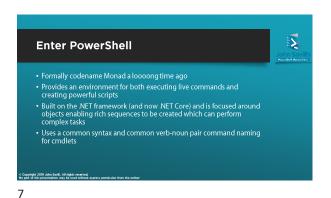
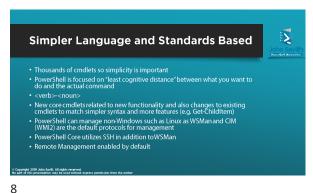


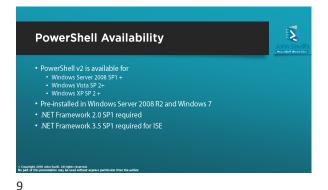
The World Without PowerShell

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 () is possible but the output from commands is a text string











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/defalls.aspx?id=40855

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

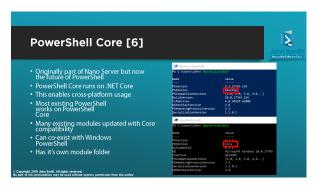
Still have version 2 available

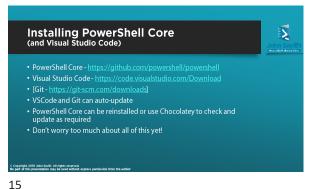


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Š Windows PowerShell vs PowerShell Core Windows PowerShell will continue to ship as part of Windows but is unlikely to get new capabilities PowerShell Core is the future of PowerShell innovation Where possible make PowerShell Core your primary environment with development using Visual Studio Code • Windows PowerShell is still available side-by-side to be used if required

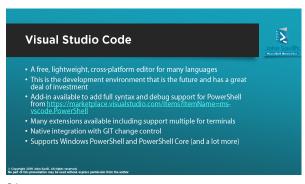
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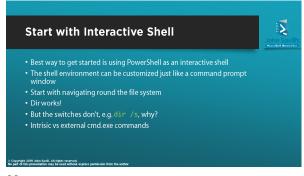




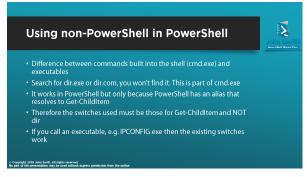


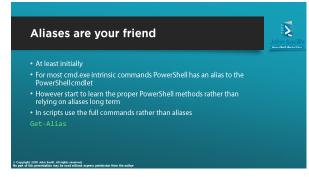


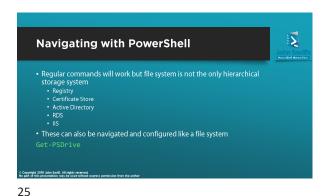


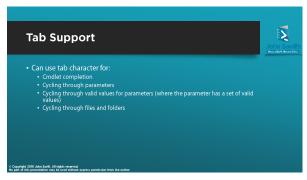


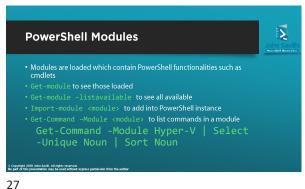
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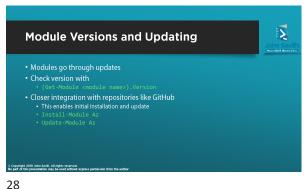












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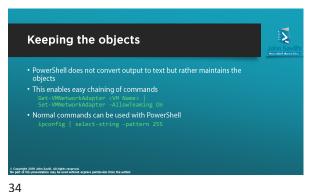






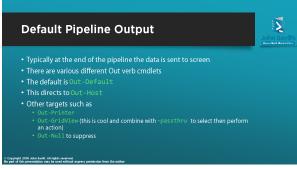
Semicolon

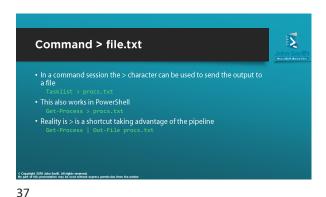
Do not have to terminate commands
You can if you want
If you want to run multiple commands on one line that are not using objects down the pipe use;
<command 1>;<command 2>

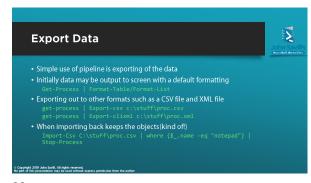


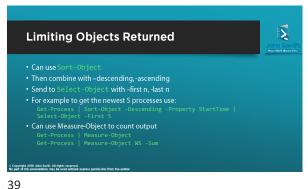
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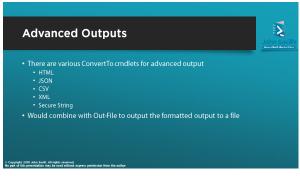


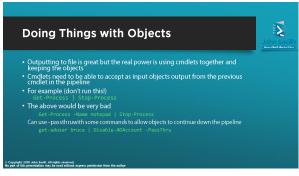


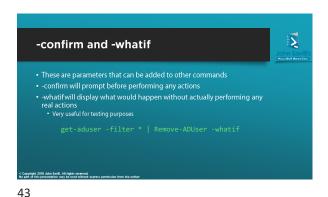




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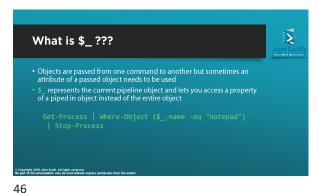


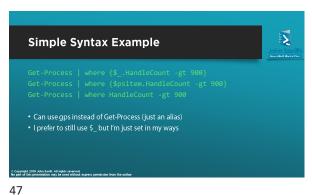












```
SUnattendFile = "C:\stuff\unattend.xml"
$xml = [xml][gc $Unattendfile)
$child = $xml.createElement("TimeZone", $xml.unattend.NamespaceURI)
$child.InnerXml = "Central Standard Time"
$null = $xml.unattend.settings.Where([$.Pass - eq
'oobeSystem')).component.appendchild($child)
$xml.Save($Unattend.file)

• Or
$resources = $Get-AzResourceProvider -ProviderNamespace
Microsoft.Compute
$resources.ResourceTypes.Where([$.ResourceTypeName - eq
'virtualMachines')).locations

ccompage.Rom Anatum.to approximate

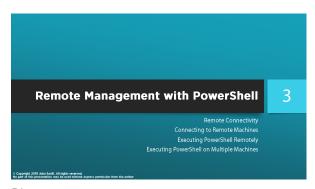
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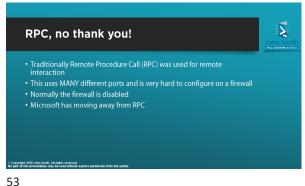
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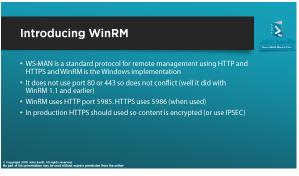
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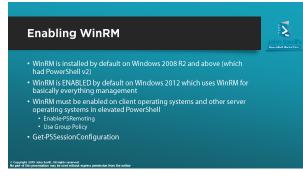


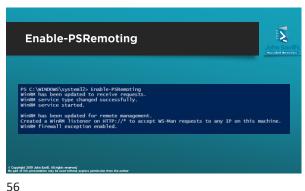










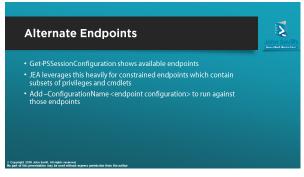




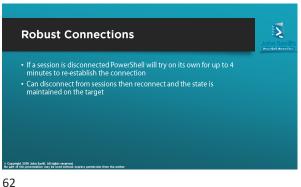


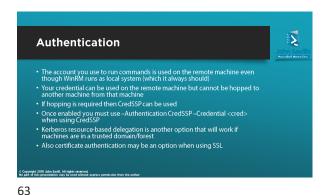
Š A Quick Word on Compatibility with PowerShell Core PowerShell Core continues to have more cmdlets available however there are still some only available for Windows PowerShell • The Windows PowerShell Compatibility module works in a similar way to Modules are loaded by creating a session to the local machine then creating function definitions that redirect to the local session that uses Windows PowerShell

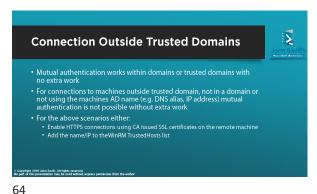
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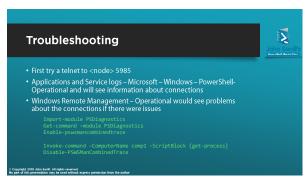






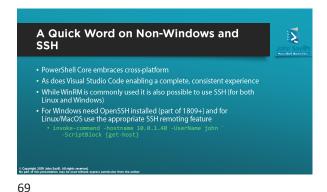
Š **Trusted Host**

65



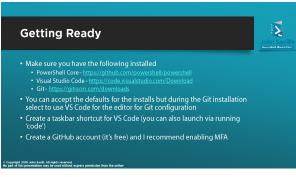
Ž **HTTPS with SSL** Name in certificate must match the name you will connect to the server Copyright 2019 John Savill. All rights reserved.
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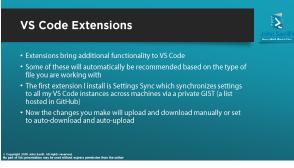




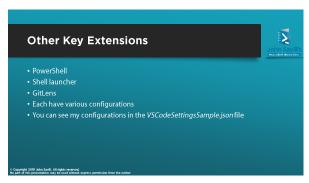




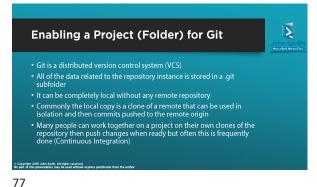


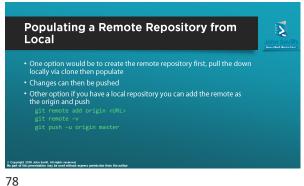




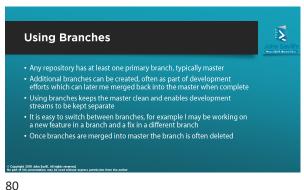


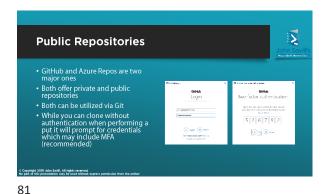


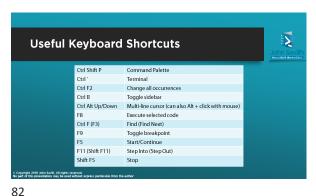




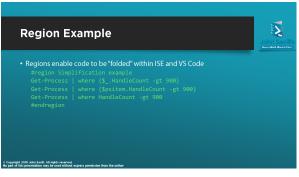








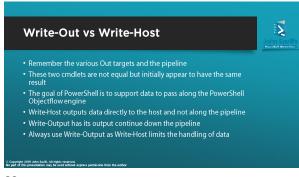


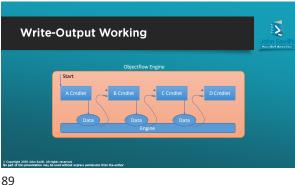






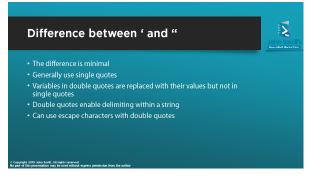




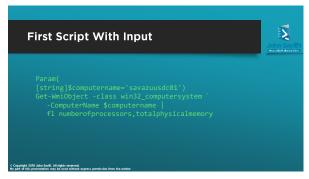


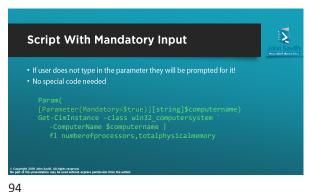
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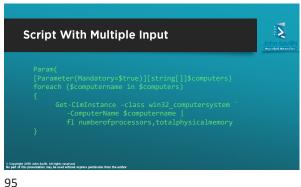


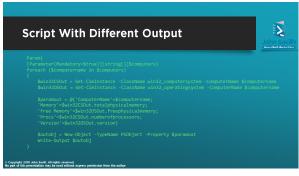


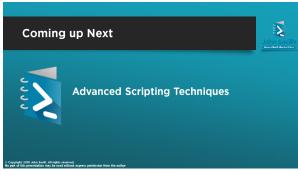




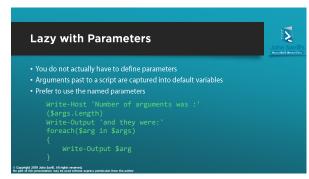


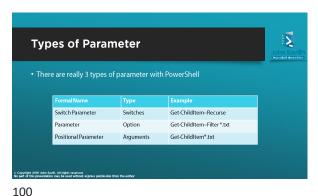


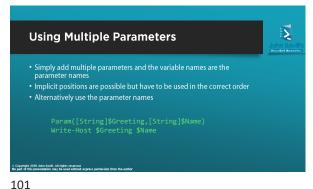




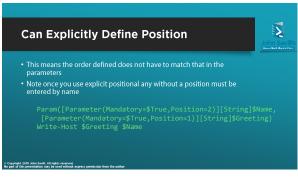


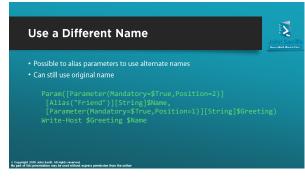




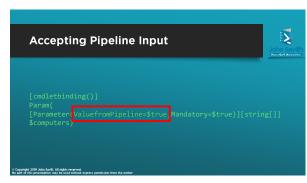


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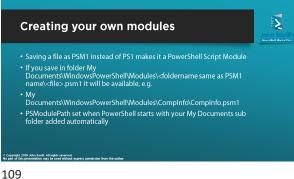


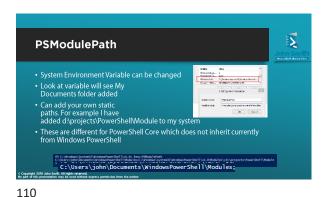


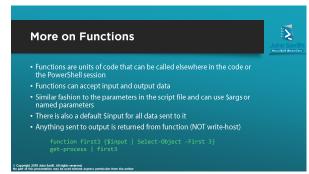


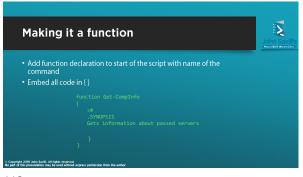












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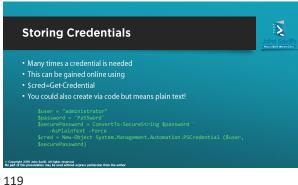




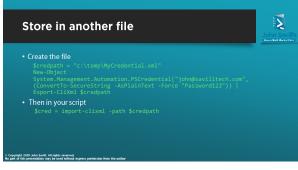


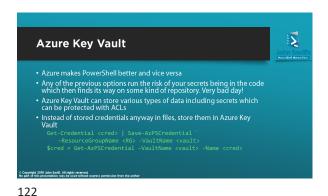


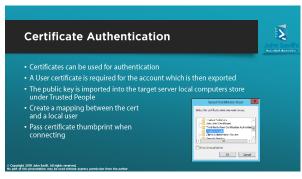


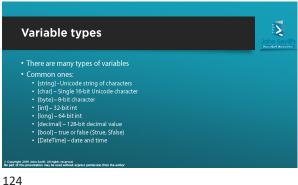


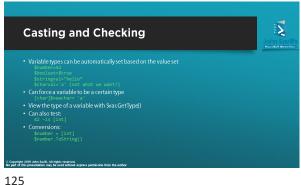






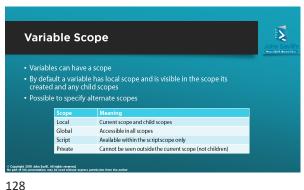


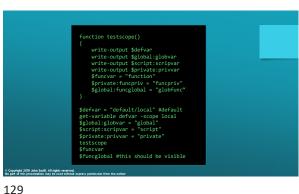




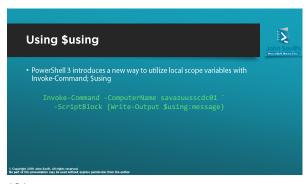








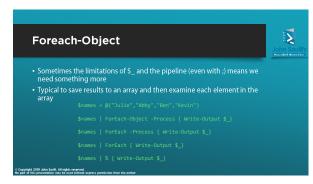


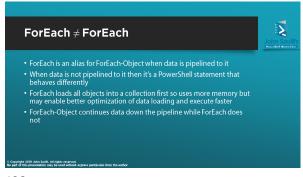








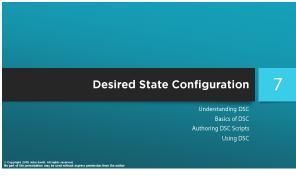




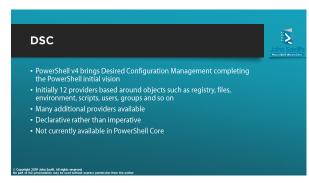


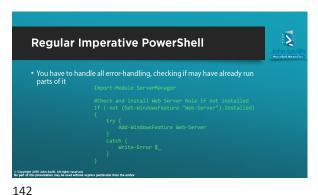
136 137











Š Declarative PowerShell DSC

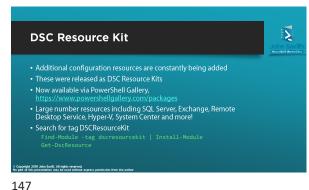
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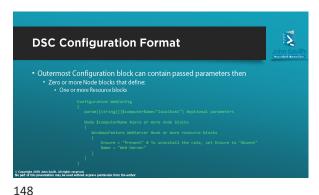




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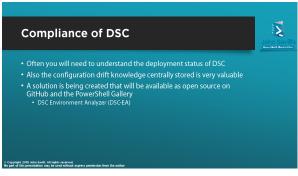


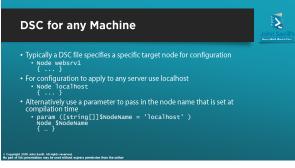




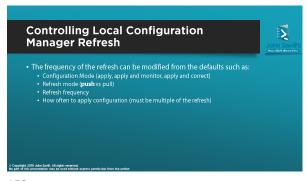
Š **Basic DSC Usage** A DSC file must be compiled to MOF format by executing the name of The configuration is then applied (in the push model) using Start-DscConfiguration -Wait -Verbose
 -Path .\MyTestFileConfig • The configuration can be checked using Get-DscConfiguration $\bullet \ \, \text{To look for drift use} \ \, \text{\textbf{Test-DscConfiguration}}$ To see the actual drift add – Detailed to Test– DscConfiguration. Needs WMF 5 ght 2019 John Savill. All rights reserved.

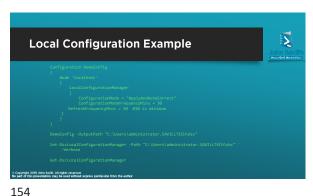
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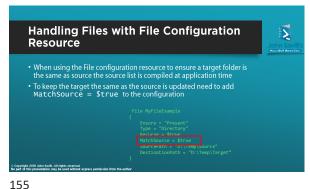






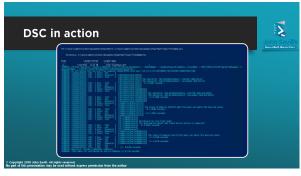






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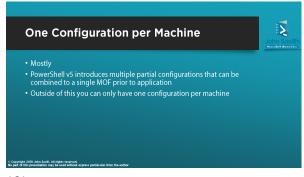








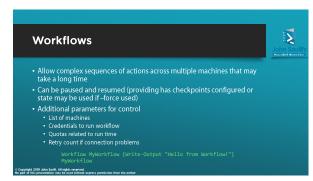


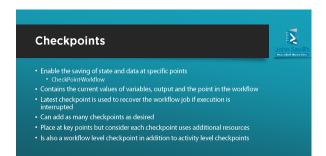












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