



2018

# Navigate around the edge with PowerShell



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# Agenda

- What is the use-case
- Mixed operating systems
- Non-uniform Configurations

# PowerShell



# Well Documented Environments





# Nothing ever goes wrong



# Retrieve the data



# Demo

PowerShell Remoting







# Demo Summary

- Invoke commands using PowerShell Remoting
- Retrieve information



# Mixed Environment



# Demo

PowerShell with PsExec





# Demo Summary

- Cleaned up PsExec output
- Execute PowerShell remote
- Use file share to share CliXml
- Convert to CliXml remote and retrieve base64
- Convert Base64 locally to Object



# Touches Disk



# Demo

PowerShell OutputFormat

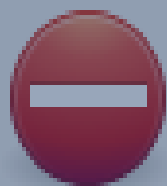


# Demo Summary

- PowerShell on PsExec
- Output formatted as Xml
- PowerShell converts this to objects
- Structured content without touching disk



# Non-supported software



**You are not allowed to perform this action**

You don't have the required privileges to perform this action.

► [Details](#)

OK

# Demo

PowerShell over WMI & Registry



# Demo Summary

- Win32\_Process
- Store output on disk
- Store output in registry
- Remotely query registry



# Demo

Alternative Remoting Functions

# Summary

- Use PowerShell to collect data
- Retrieve information from old OS
- Different methods
  - PSRemoting
  - PsExec
  - Wmi

# Next Steps

- Now: 15 min break
- Grab a coffee
- Stay here to enjoy next presentation
- Change track and switch to another room
- Ask me questions or meet me in a breakout session room afterwards



**Questions?**

# about\_Jaap

[JaapBrasser.com/about](http://JaapBrasser.com/about)



- Speaker / Blogger / Tech Enthusiast
- PowerShell Conference EU/Asia
- Dutch PowerShell User Group
- PowerShell Gallery
- TechNet / MSTechCommunity



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