Hands-On JEA

```
PS C:\Users\japete> _
```

2018

Hands-On JEA

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Agenda

- The basics
- DSC Node Registration Endpoint
- Offline Domain Join Endpoint
- Password-serving Endpoint

The basics

- Extension to SessionConfiguration available since dawn of time

- Adds RBAC for anything

- When used properly, restricts capabilities of connected users

- Can run as a gMSA

- Can use virtual accounts

The basics - recipe

- 1 Tbsp of RemoteSessionConfigurationFile
- Add RoleCapabilitiesFile to taste
- Cook for a couple of seconds
- Enjoy your PSSessionConfiguration

```powershell
New-PSSessionConfigurationFile -Path
.\MyConfiguration.pssc -SessionType
RestrictedRemoteServer `
 -RoleDefinitions @{
    'contoso\Group1' = @{RoleCapabilities =
'D:\Role1.psrc'}
    'contoso\Group2' = @{RoleCapabilities =
'D:\Role2.psrc'}
 }
New-PSRoleCapabilityFile -Path D:\Role1.psrc -
VisibleCmdlets Get-Service,Get-Process
New-PSRoleCapabilityFile -Path D:\Role2.psrc -
VisibleCmdlets New-Service,Get-Service,Set-Service
Register-PSSessionConfiguration -Path
.\MyConfiguration.pssc -Force -Name MyNewEndpoint
Enter-PSSession -ConfigurationName MyNewEndpoint -
ComputerName someMachine
```

Demo

DSC Node Registration Endpoint

Comfortably register your nodes with your DSC pull server

Demo

Offline domain join

Need to transfer the odj file and execute an offline domain join?

Demo

The password oracle

Ask a remote endpoint for encrypted service account passwords,
connection strings, …

Summary

- JEA is a cool feature
- Adds RBAC to anything
- Can be used for other purposes as well

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_Author

PS C:\Users\japete> Get-Introduction

```
Name          : Jan-Hendrik Peters
Born          : 1987-01-24
Profession    : Premier Field Engineer @ Microsoft Germany
Years in field     : 8
Technologies      : {PowerShell, DevOps, DSC, Active
Directory}
Hobbies               : {Travelling, Brewing, Coding, Hiking}
```

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about_Author

```
PS C:\Users\raandree> Get-Introduction


Name                    : Raimund Andrée
Born                    : 1978-07-31
Profession              : PFE @ Microsoft Germany
Years in Field          : 23
Technologies            : {PowerShell, DevOps, DSC, Active
                          Directory}
Hobbies                 : {Travelling to high so called
                          risk countries, Coding, Hiking}
```