ConfigMgr 2012 R2 & Powershell

Tips & Tricks & Tools

David O'Brien, #E2EVC 2013 in Rome / Italy

Agenda

- Overview of Powershell in ConfigMgr 2012 R2
- Handy cmdlets you should know
- ConfigMgr Console extensions from the community
 - Right-Click Tools by Ryan Ephgrave
 - Stage your Task Sequences by me
 - Dell Warranty Checker by Nickolaj Andersen
- ConfigMgr inventory / documentation script

Who is David O'Brien?

- 28 years old, live in Cologne / Germany
- Work as IT Consultant at sepago GmbH
- Blog: www.david-obrien.net
- Twitter: @david_obrien
- My areas of interest
 - Microsoft System Center
 - ConfigMgr SCOrch
 - Powershell
- Microsoft MVP for Enterprise Client Management (2013)
- CCIA





Powershell in ConfigMgr 2012 R2

• Import-Module (Join-Path \$(Split-Path \$env:SMS_ADMIN_UI_PATH) ConfigurationManager.psd1)

```
• 560 cmdlets PS PRI:\> (Get-Command -Module configurationmanager).count

PS PRI:\> (Get-Command -Module configurationmanager).count

PS PRI:\> ___
```

- All cmdlets need to be executed from PSDrive
- All commands in GUI can be done via Powers PS PRI: \> get-help Move-CMObject -Examples
- X64
 - Except a few
 - Found on: http://technet.microsoft.com/library/dn236
- WMI still the way to go in many situations
 - I'm still confused which way is best
- Bad documentation

```
NAME
Move-CMObject

SYNOPSIS

PS C:\>

PS C:\>

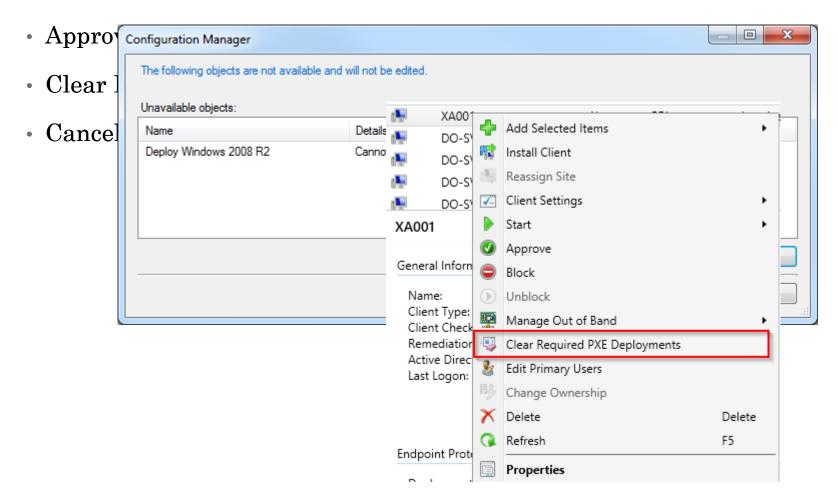
PS PRI:\>
```

X86 Powershell cmdlets

Add-CMDistributionPoint	Export-AntiMalwarePolicy
Get-CMAntiMalwarePolicy	Get-CMClientSettings
New-CMSecondarySite	New-CMTaskSequenceMedia
New-CMVhd	Publish-CMPrestageContent
Publish- CMPrestageContentTaskSequence	Set-CMAntiMalwarePolicy
Set-CMClientSettings	Set-CMDistributionPoint
Set-CMVhd	Start-CMDistributionPointUpgrade

Handy cmdlets you should know

Lock yourself out of Objects and unlock them again



ConfigMgr Console Extensions from the Community

- What are Console extensions?
 - Extend the abilities of the already installed default console
 - Create completely new features
- Why are they useful?
 - · Community members created them out of real life requirements!
- How do you build them?
 - · Basically just XML files put into the right place executing a script or application

DEMO

ConfigMgr documentation script

- Thank you Carl!
 - · Go download his scripts if you do Citrix!!!
 - If you don't do Citrix... Go download them anyway and learn some nice Powershell!
 - www.carlwebster.com



- Rewrote Carl's scripts to document Configuration Manager 2012
- Documenting already about 85% off all settings in a CM12 environment
 - · Skipping more marketing blah-blah...

DEMO



Thank you for watching!

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