Automation in ConfigMgr

- Until CM12 SP1 only via WMI or certain COM objects
- Since SP1, we have Powershell cmdlets (woohoo!)
    - 471 cmdlets
    - X86 only
    - Since CU1 also cmdlets to actually do something
    - With R2 finally x64
    - 597 cmdlets with CU4
- Downside:
    - No proper error handling built-in
    - A lot slower (than WMI) depending on commandline
        - Built-in cmdlets need ‚Filter' parameter
    - Updates tend to break stuff ☹

New cmdlets

Add-CMDeploymentTypeDependency
Add-CMDeploymentTypeSupersedence
ConvertFrom-CMApplication
ConvertFrom-CMConfigurationItem
ConvertTo-CMApplication
ConvertTo-CMConfigurationItem
Get-CMCertificate
Get-CMClientOperation
Get-CMDeploymentTypeDependency
Get-CMDeploymentTypeDependencyGroup
Get-CMDeploymentTypeSupersedence
Get-CMMigrationSource
Get-CMObjectSecurityScope
Get-CMQuery
Get-CMSiteRole
Invoke-CMGroupDiscovery
Invoke-CMQuery
Invoke-CMSystemDiscovery

Invoke-CMUserDiscovery
New-CMADGroupDiscoveryScope
New-CMDeploymentTypeDependencyGroup
New-CMEmbeddedObjectInstance
New-CMEmbeddedProperty
New-CMEmbeddedPropertyList
New-CMQuery
Remove-CMCollection
Remove-CMDeploymentTypeDependency
Remove-CMDeploymentTypeDependencyGroup
Remove-CMDeploymentTypeSupersedence
Remove-CMQuery
Set-CMDeploymentTypeDependency
Set-CMDeploymentTypeDependencyGroup
Set-CMDeploymentTypeSupersedence
Set-CMQuery
Sync-CMMigrationSource

Demos