



PowerShell Conference Europe

Next Up:

Jan-Hendrik Peters

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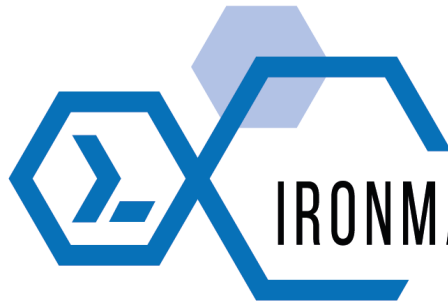
AutomatedLab: Expert

Jan-Hendrik Peters

Many thanks to our sponsors:



Jane Street



IRONMAN SOFTWARE

KNOWLEDGE
FACTORY



SynEdgy



PSCONF EU SPEAKER

Jan-Hendrik Peters

- PowerShelling since ~2009
- MSFT Cloud Solution Architect (2016-2023)
- Now Cloud Engineer at SWK AG
- Contributor at AutomatedLab
- Beer brewer and blacksmith
 - Beer: Automated 🕶️
 - Blacksmithing: Manual 😊

About AutomatedLab



Lab Deployments since ~2014

Lab Host: Windows, Linux

Lab Nodes: Windows 6.2+, RHEL-based and SUSE-based Linux flavours

Hypervisors: Azure, Hyper-V

Automate installation and configuration of all (*) Microsoft products

Role System



Support all (*) Microsoft products

From Active Directory to
aZure DevOps

```
Import-Lab -Name $data.Name -NoValidation -NoDisplay
$nugetHost = Get-LabVM -ComputerName $ComputerName

if (-not $nugetHost)
{
    Write-ScreenInfo -Type Error -Message "No host $ComputerName"
    return
}

$jobs = Install-LabWindowsFeature -ComputerName $nugetHost -AsJ

if (-not $ApiKey)
```

Extensible

Custom roles extend built-in
without touching
AutomatedLab

Built-in roles are configured with sane defaults,
and allow parameterization

**Custom roles are surfaced
as installation activities
and can be ran pre or post
install**



Underused cmdlets



Invoke-LabCommand, Lab[PS/CIM]Session cmdlets

- AutomatedLab handles sessions for you!

- Don't do it yourself :)

Get-LabInternetFile, Install-LabSoftwarePackage, Copy-LabFileItem

- Don't do this manually, AutomatedLab downloads stuff and copies things for you
Connect-LabVm, Connect-Lab

- Jump onto lab machines via SSH or RDP, and connect different labs via routing

Demos

We love Demos!



Q&A

15 minutes



MALMO 25



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