

PowerShell Conference Europe 2019

Hannover, Germany

June 4-7, 2019

Pester + Azure Monitor + Automation

MATEUSZ CZERNIAWSKI

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Video operator, did you start the recording?

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This Session

After this session you'll be able to:

- Baseline
- Test
- Analyze

AD environment with

- PowerShell
- Pester
- Azure Log Analytics, Azure Monitor, PowerBI



Agenda

- Why Pester
- What is pChecksAD
- Benefits of using Azure
 - Log Analytics
 - Kusto Query Language
 - PowerBI



Why Pester

- Community ♥ Pester



dbachecks



s2dchecks (hush, hush)



adchecks (currently pChecksAD)



Vester (vmware) - <https://github.com/WahlNetwork/Vester>



PScribo - <https://github.com/iainbrighton/PScribo>



Format-Pester <https://github.com/equelin/Format-Pester>



PPoShOVF and pChecksAD

- Why OVF? Why not DSC?



PPoShOVF and pChecksAD

- Why OVF? Why not DSC?
- Why not „Microsoft.PowerShell.Operation.Validation“?
- Why PPoSh OVF and PPoSh OVF Diagnostics?



pChecksAD – a simple tool

- Create Baseline for AD
 - 35 properties for AD service
 - 12 per node properties including



pChecksAD – a simple tool

- Create Baseline for AD
 - 35 properties for AD service
 - 12 per node properties including
- Test
 - 18 operational general tests
 - 34 configuration general change tests
 - 5 operational per node tests
 - 18 configuration per node change tests
 - Run per Tag, per Node

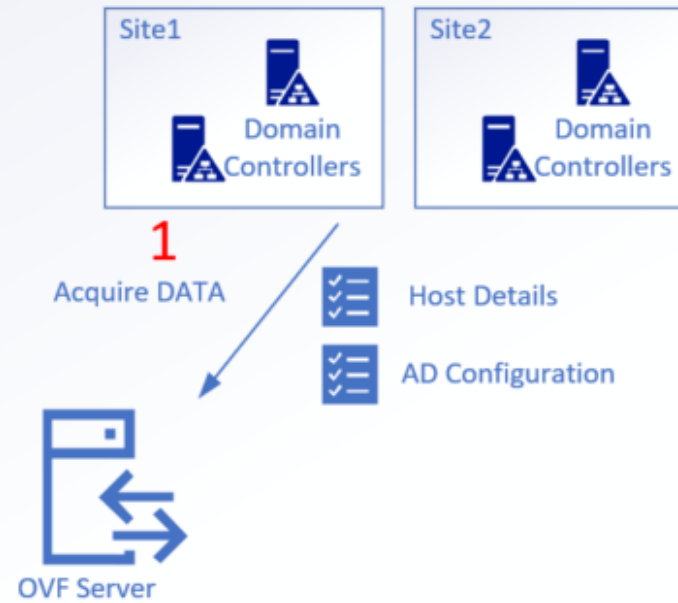


pChecksAD – a simple tool

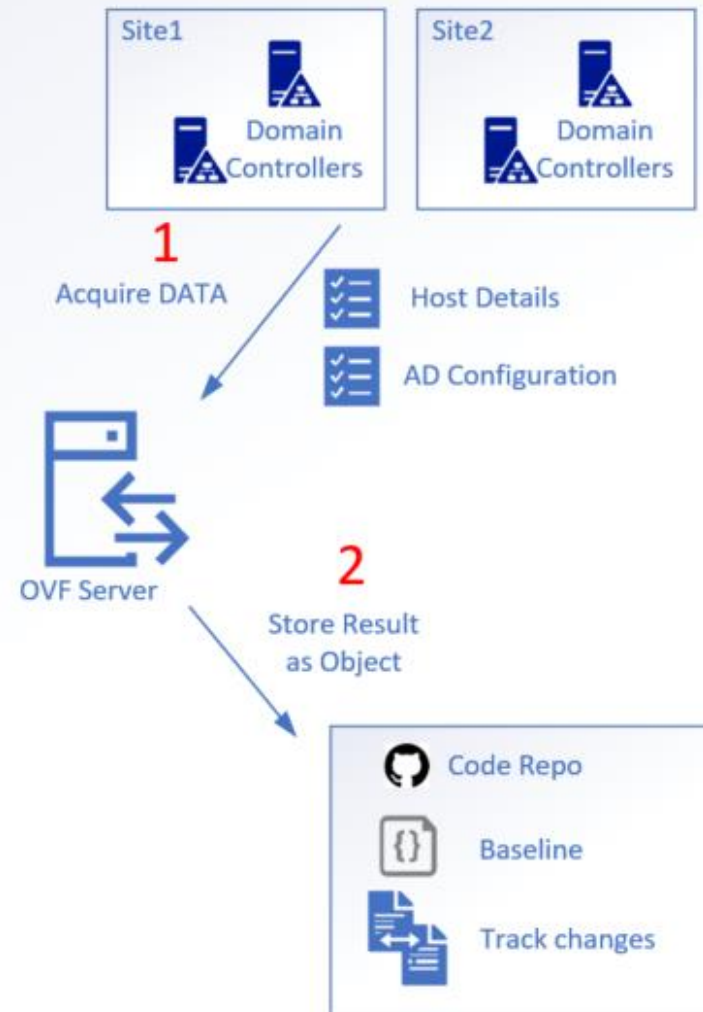
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 - Run per Tag, per Node
- Report
 - To EventLog
 - To XML + HTML
 - To Azure Log Analytics



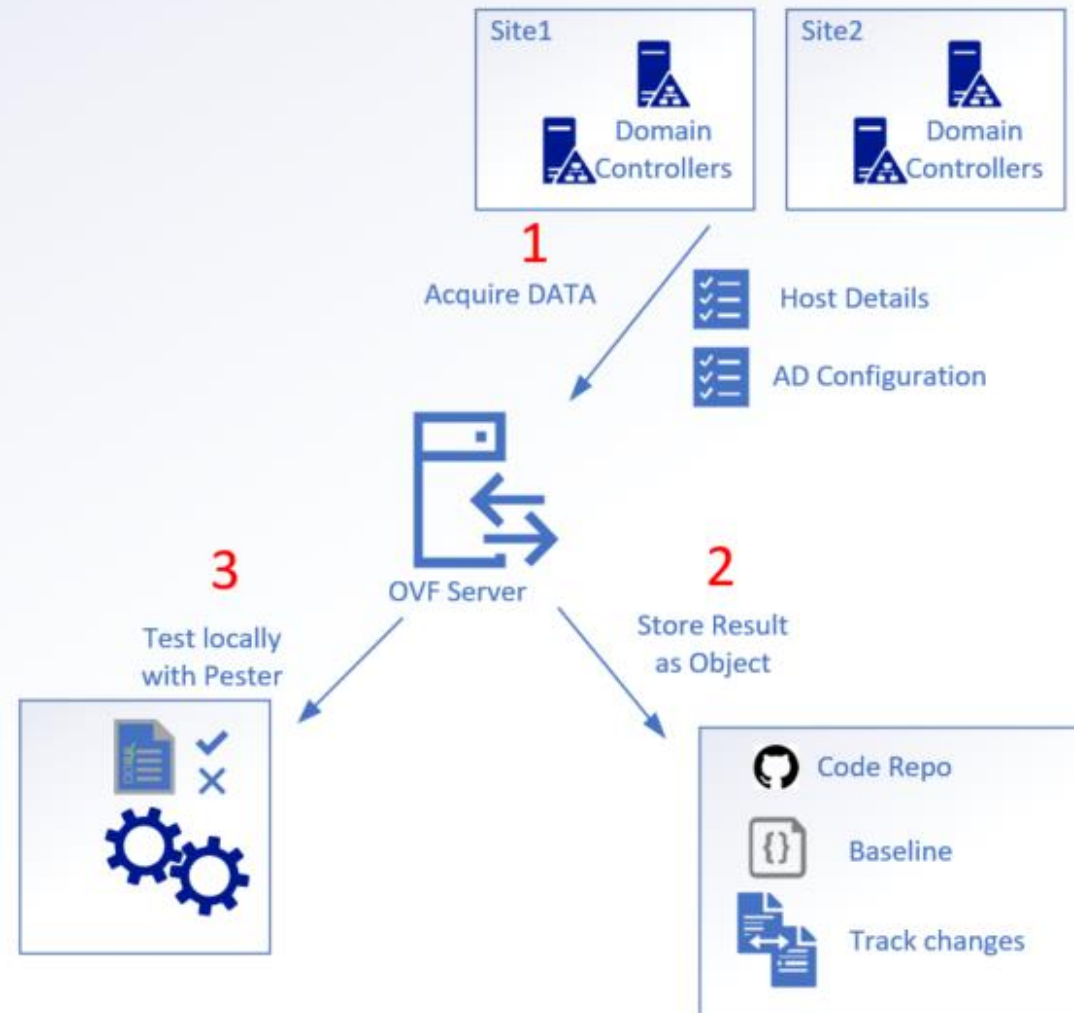
pChecksAD



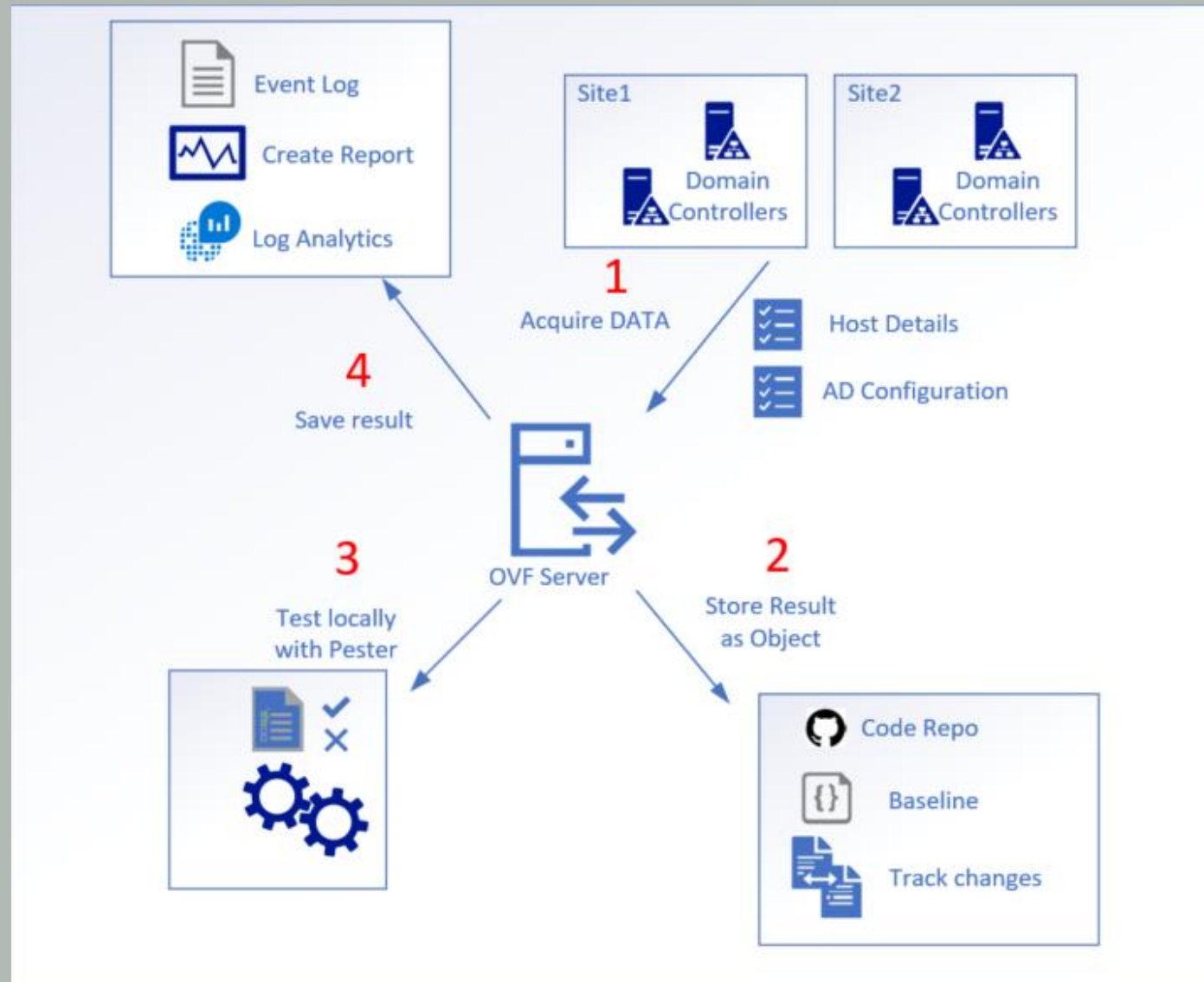
pChecksAD



pChecksAD



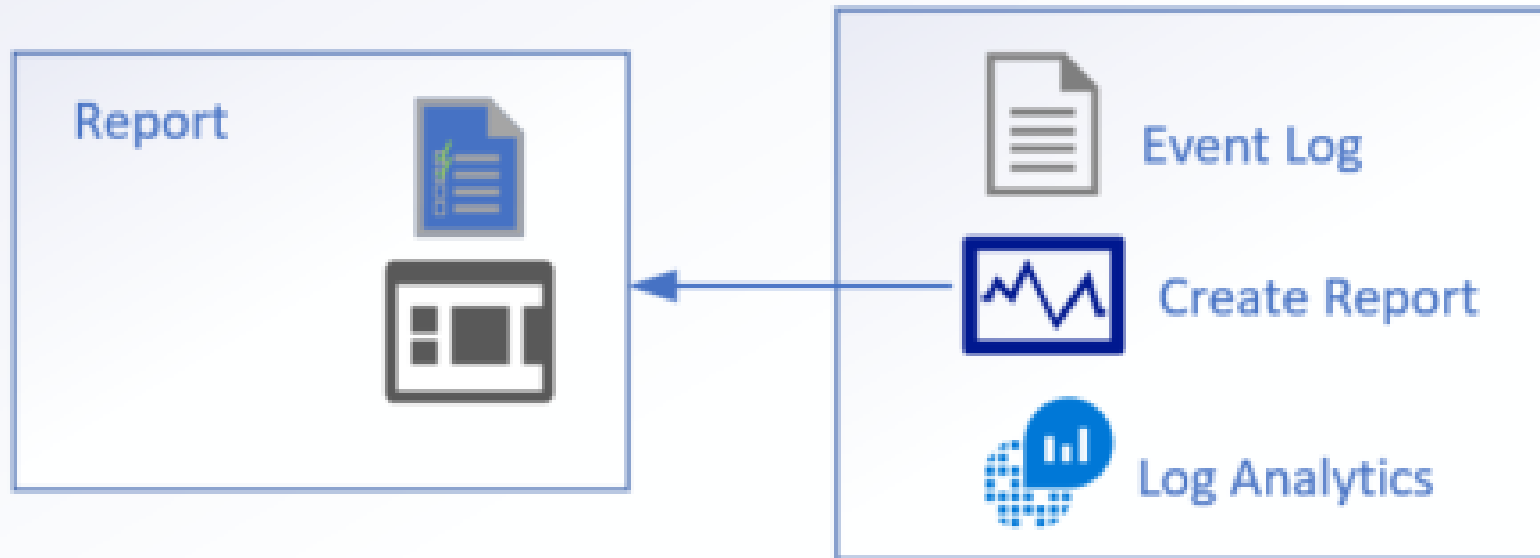
pChecksAD



pChecksAD



pChecksAD



pChecksAD



DEMO

Let's have some fun

Summary

- Create baseline
pChecksAD
- Test and Validate
- Store, Analyze and Report
Azure Log Analytics, KQL, PowerBI



Slides and demo code

`Start-Process -FilePath https://github.com/psconfeu/2019`

Questions?

Use the conference app to vote for this session:

<https://my.eventraft.com/psconfEU>

about_Speaker



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