



2019

Pester + Azure Monitor + Automation

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Make PowerShell a real solution



This Session

After this session you'll be able to:

- **Baseline** with **PowerShell**
 - **Test** with **Pester**
 - **Analyze** with **Azure Log Analytics, Azure Monitor, PowerBI**
- your AD environment



2019



Agenda



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Agenda

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

Community ♥ Pester



2019

Community ♥ Pester

 **dbachecks** <https://dbatools.io/tag/dbachecks/>

 **s2dchecks** (hush, hush)

 **adchecks** (currently pChecksAD) <https://github.com/mczerniawski/pChecksAD>

 **Testimo** <https://github.com/EvotecIT/Testimo/>

 **PSADHealth** <https://github.com/compwiz32/PSADHealth>

 **PoshSpec** - <https://github.com/Ticketmaster/poshspec>

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

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

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



PPoShOVF and pChecksAD

- **Change**
- **Operational**

PPoShOVF and pChecksAD

- **Change**
- **Operational**
- **Configure (DSC)**
- **Verify**

PPoShOVF and pChecksAD

- **Change**
- **Operational**
- **Configure (DSC)**
- **Verify**
- **Remote Connectivity**
- **Clean endpoint nodes**

pChecksAD – a simple tool

- **Create Baseline for AD**
 - 35 properties for AD service
 - Forest configuration
 - Domains included
 - Global Catalog Details
 - Sites and Trusts
 - 12 per node properties
 - Basic information
 - Time Service configuration

pChecksAD – a simple tool

- Test

- General
 - 18 **operational** AD tests
 - 34 **configuration** property change
- Per node
 - 5 per node **operational** tests
 - 18 per node **configuration** change tests
- Run tests with Tag and Node selection

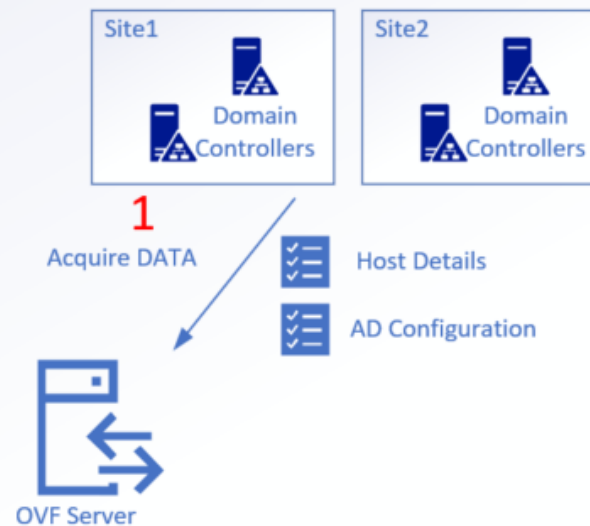


pChecksAD – a simple tool

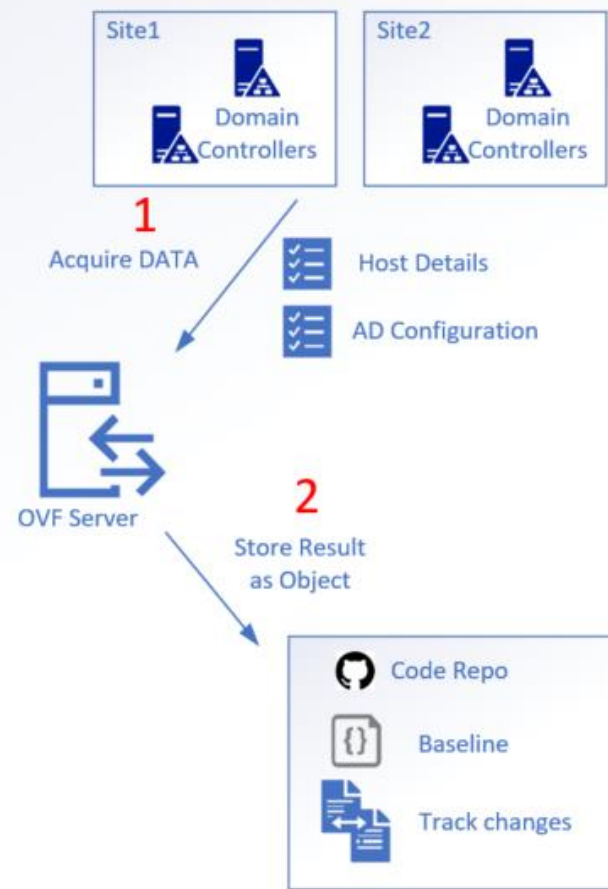
- **Report**

- To Event Log
- To XML + HTML
- To Azure Log Analytics

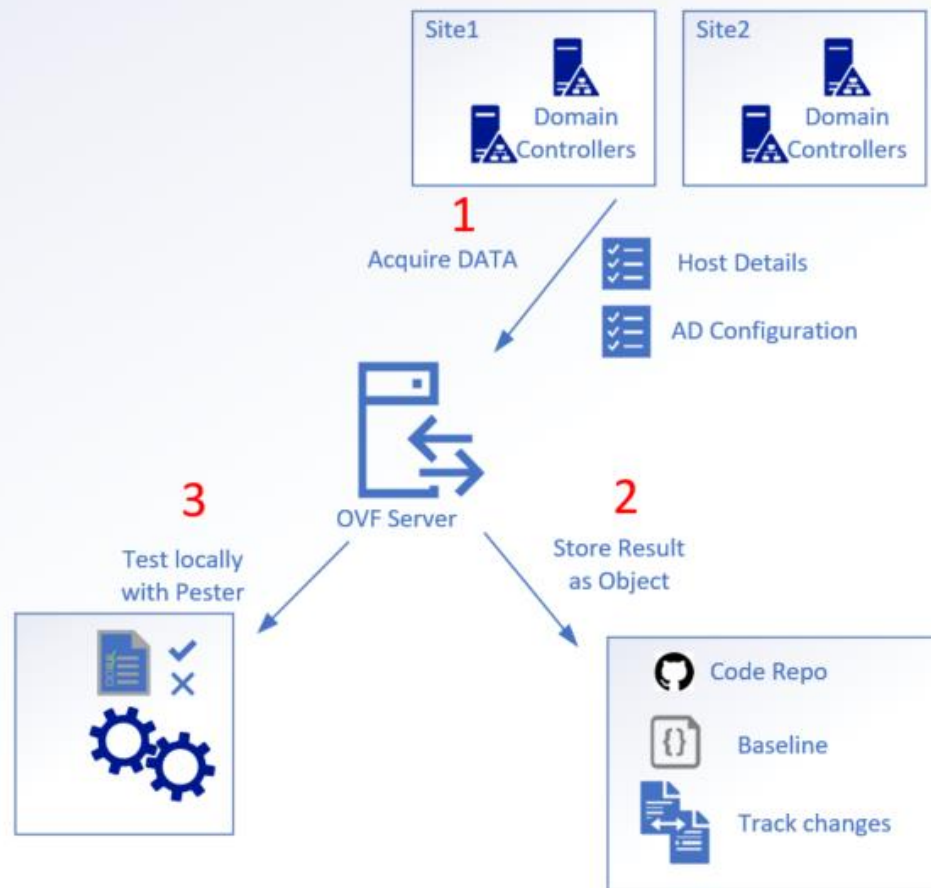
pChecksAD



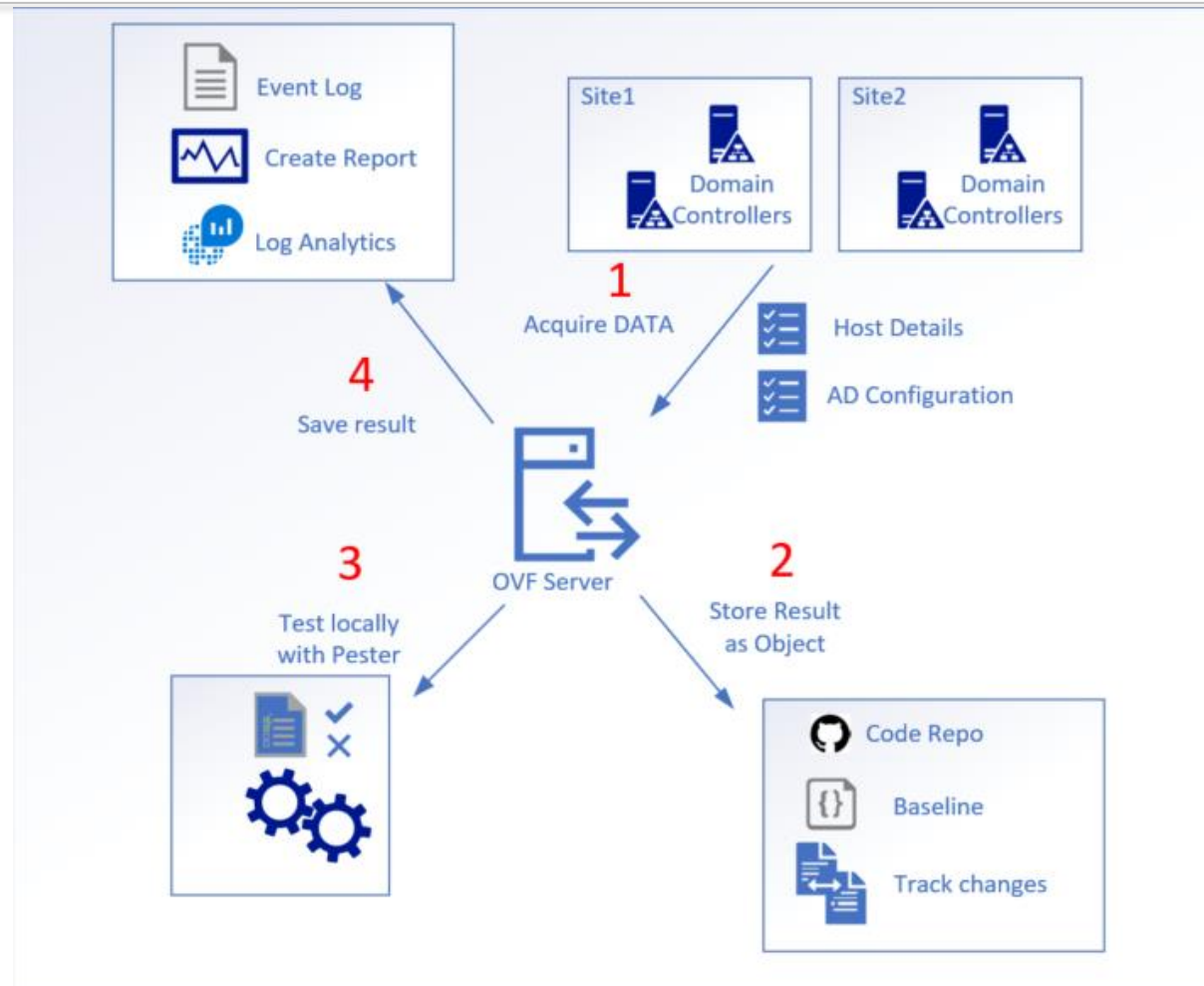
pChecksAD



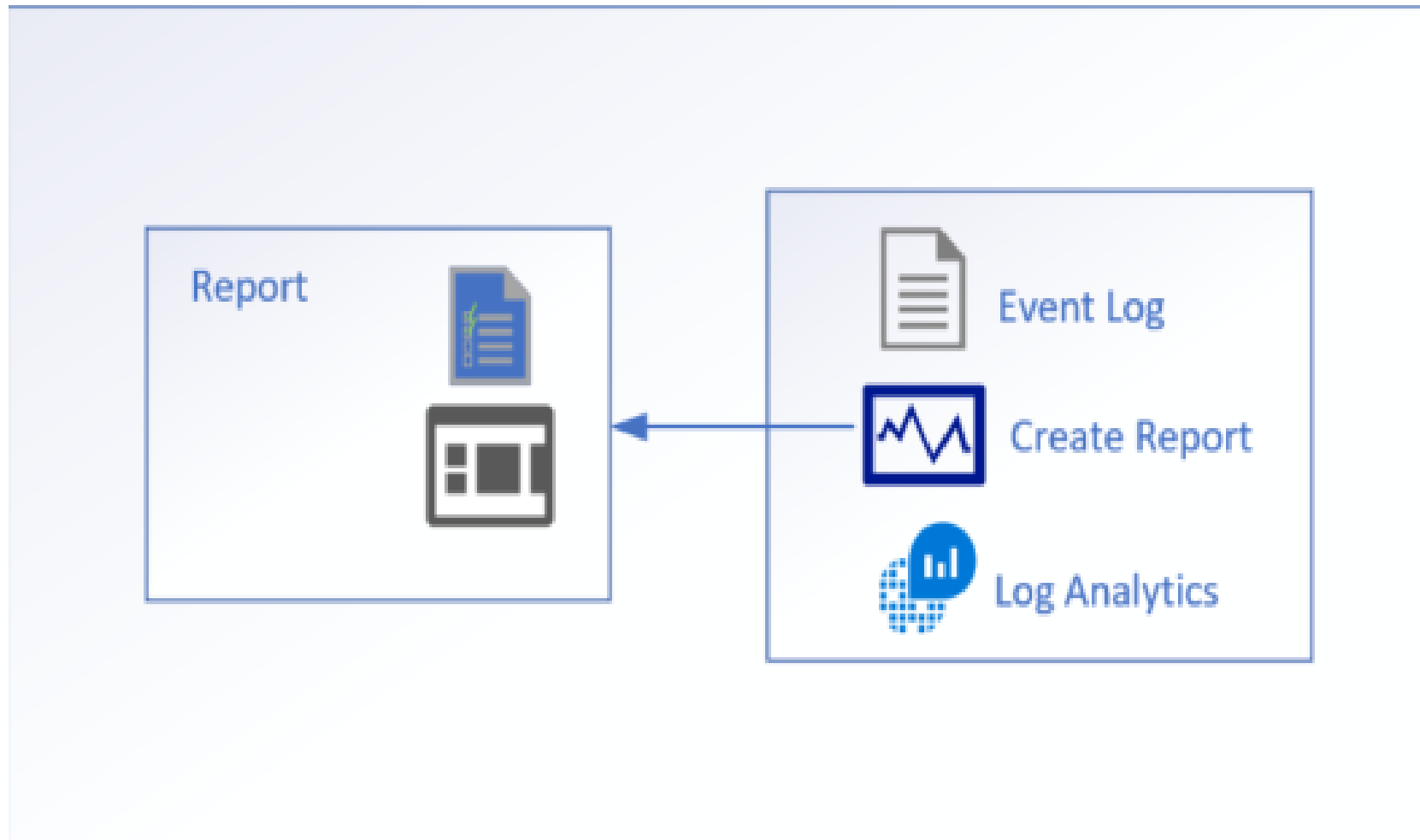
pChecksAD

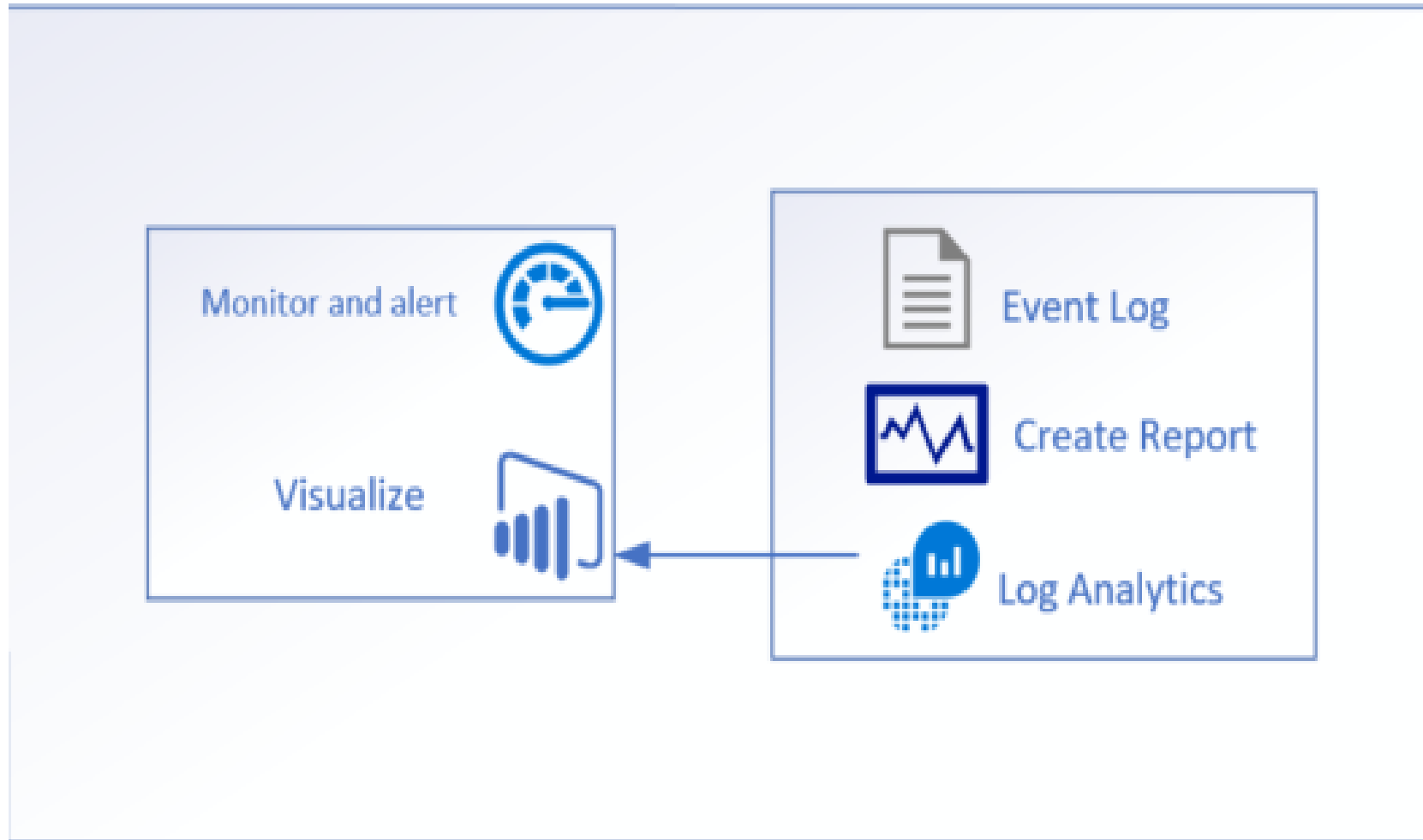


pChecksAD









Demo



Let's have some fun



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Summary

With pChecksAD you can:

- **Create a baseline**
- **Test and Compare**
- **Store, Analyze and Report in time**

Summary

With pChecksAD you can:

- Create a baseline
- Test and Compare
- Store, Analyze and Report in time

~~Code → Infrastructure~~

Infrastructure → Code



2019

Thank you



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WEALTH MANAGEMENT



ScriptRunner®

Make PowerShell a real solution



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about_Speaker



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