Friday from Walldorf
SAP HANA on Azure Quality Check

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SAP HANA on Azure – Quality Check V1

Goal for the SAP on Azure Quality Check is to

- Give customers the chance to run a quick check prior installing HANA on Azure
- Run the check in case of issues to collect the current status
- Available on https://github.com/Azure/SAP-on-Azure-Scripts-and-Utilities/tree/master/QualityCheck

SAP on Azure – Quality Check V1 – How it works

Version 1 connects to

- Azure Management API using Powershell (Az.Compute, Az.Network, Az.NetAppFiles)
- the virtual machine using SSH (Posh-SSH Module)

There is no software required on the VM.

A Powershell Script connects to Azure and the Linux host to collect info which is then processed within the PowerShell Script.

Masterdata (e.g. disk layouts, OS Checks, …) is maintained in JSON config file.

SAP on Azure – Quality Check V1 – What we check

- OS Checks
  - Required parameters, e.g. for ANF support (SSH)
  - OS Version (SSH)
  - VM model supported (SSH)
  - Kernel version, e.g. if we know that a certain kernel version has issues (SSH)
- Storage
  - Storage layout for Premium Storage (striping, stripe size, disk size, Write Accelerator) (SSH + Azure)
  - Storage layout for Ultra Disk (Size, IOPS and MBPS) (SSH + Azure) → Ultra Disk doesn't show MBPS or IOPS in metadata service
  - Storage layout for ANF (ANF Tier, Size of volume, storage parameters, NFS parameters) (SSH + Azure) → V1.1
- Networking
  - Is Accelerated Networking enabled (Azure) → metadata service doesn't show Accelerated Networking status
  - Is Scale Out Networking configured correctly → (SSH + Azure)
- Pacemaker
  - Check if pacemaker is configured correctly (SSH)
  - socat/netcat (SSH)
- Collect infos
  - Collect support infos (SSH)
- Load Balancer
  - Timeout settings
  - Standard Load Balancer SKU
  - HA Ports

Demo