



Azure News und Neuerungen

N e u e s a u s d e r W o l k e



- Seit 2019 bei SoftwareONE / COMPAREX
- Solutions Architect Future Datacenter im Solution Sales Team
- Vorher IT-Leiter im Mittelstand
- Microsoft MVP und Speaker in diversen Communities



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Auch auf YouTube...

softwareONE

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Agenda

- 1 Naming
- 2 Azure Portal
- 3 Infrastructure
- 4 Apps & Data
- 5 Deprecations

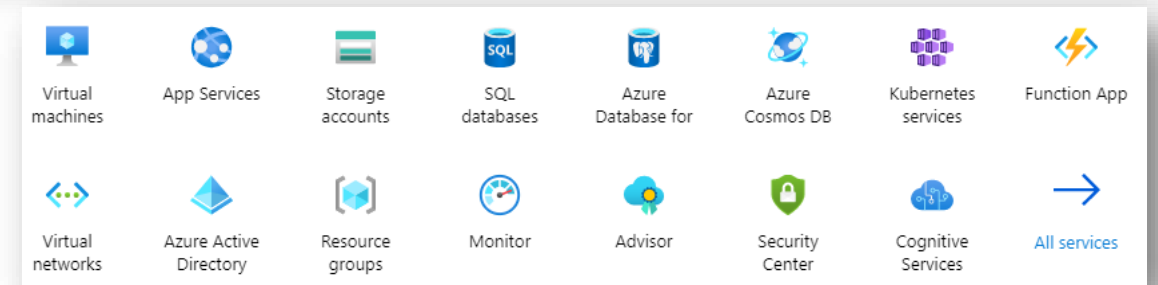
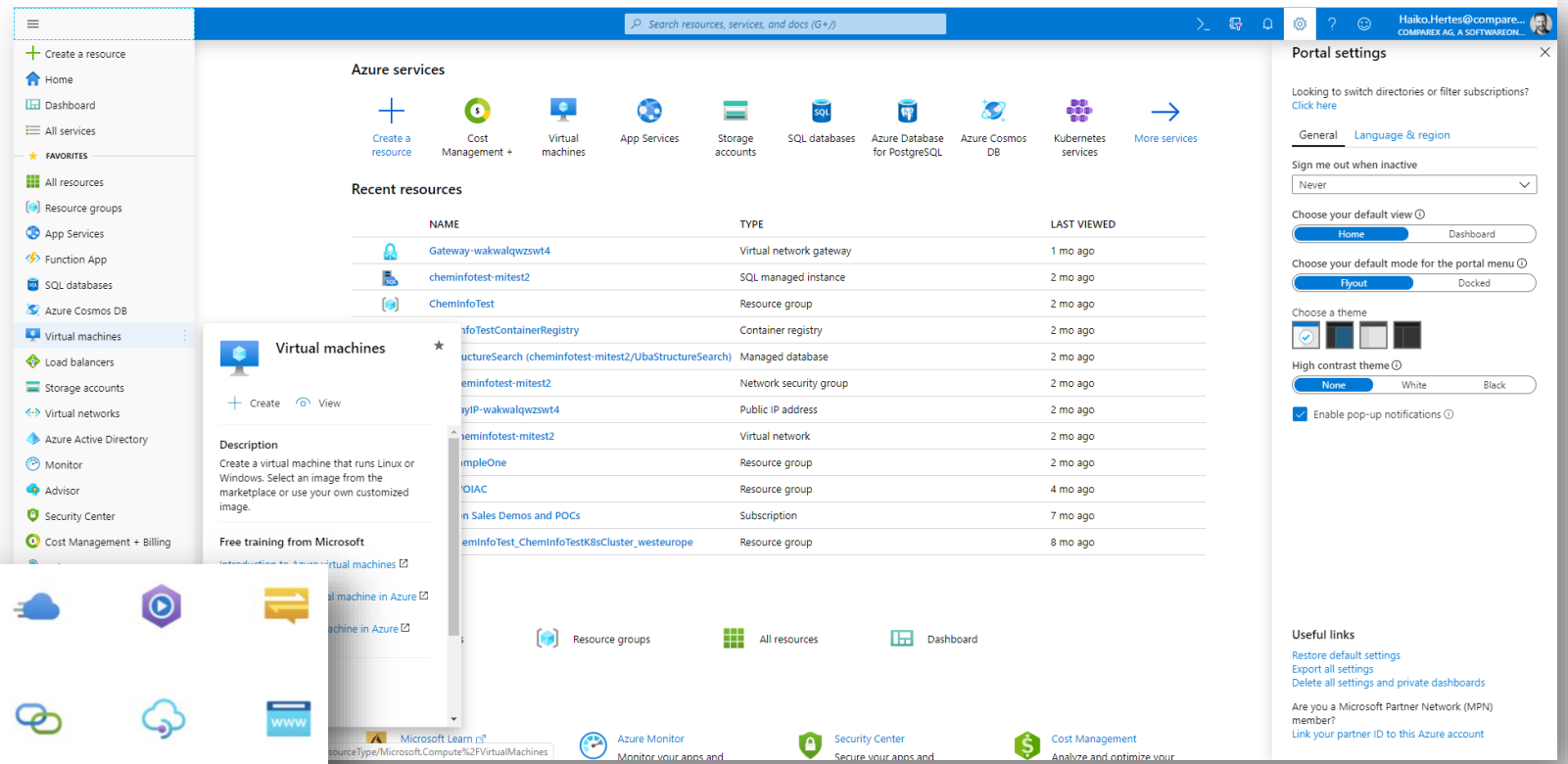
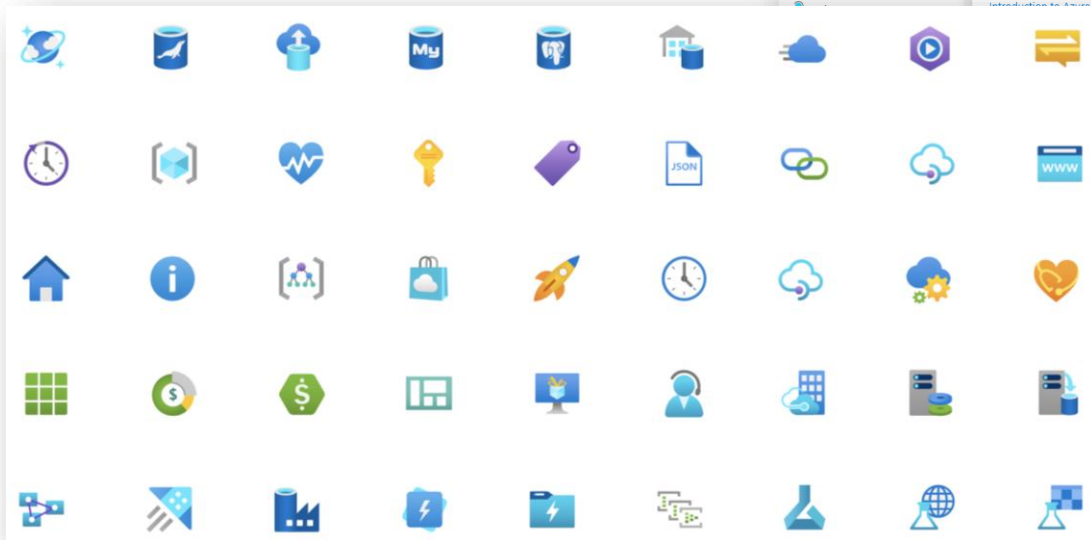


Naming

- „Azure Stack“ => „Azure Stack Hub“
- „Hyper-V / Storage Spaces Direct“ => Azure Stack HCI
- „Azure Databox Edge“ => „Azure Stack Edge“
- „SQL Data Warehouse“ => „Azure Synapse Analytics“ (DW + Business Analytics)

Portal

- Menü: „Flyout“ vs. „Docked“
- Neue Icons
- Schnelleres Durchsuchen und Auflisten von Ressourcen und deren Eigenschaften



Azure Infrastructure

- Azure Arc -> Siehe andere Session
- Generation 2 VMs (PREVIEW)
 - Mehr RAM
 - Intel Software Guard
 - OS Disk >2TB
 - UEFI Boot
 - Leichtere Migration von Hyper-V nach Azure
- VMSS
 - Instanzen unterschiedlicher Größe
 - Definierbare Reihenfolge für scale-in/deprovisioning
- Azure Bastion (RDP/SSH durch PaaS getunnelt)

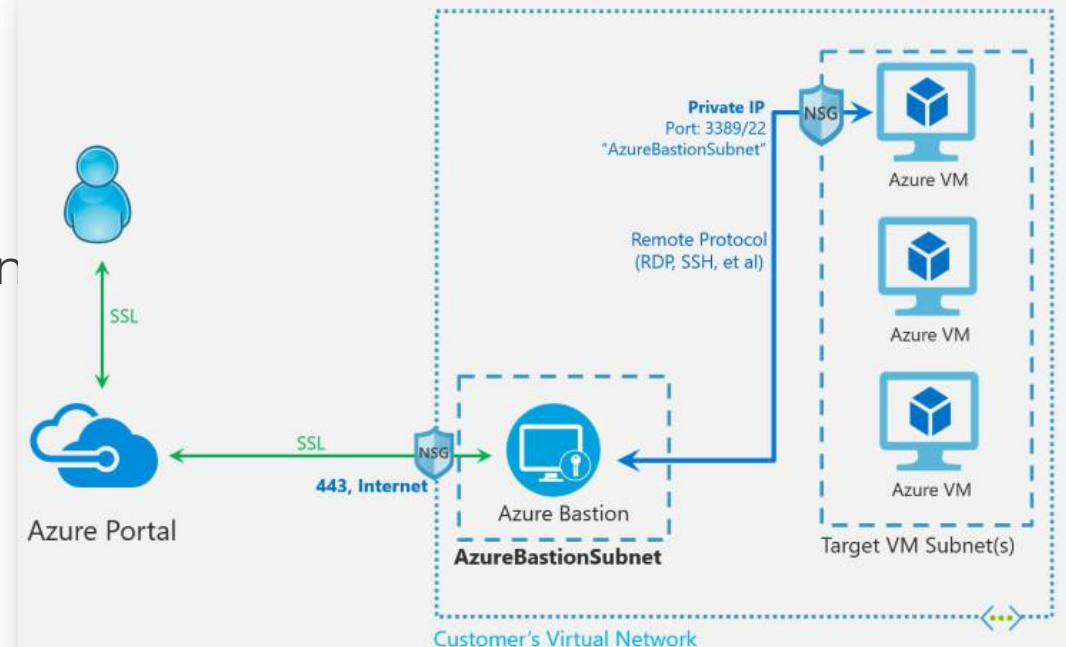
VM generation

Generation 2 VMs (preview) support features such as UEFI-based boot architecture, increased memory and OS disk size limits, Intel® Software Guard Extensions (SGX), and virtual persistent memory (vPMEM).

VM generation ⓘ

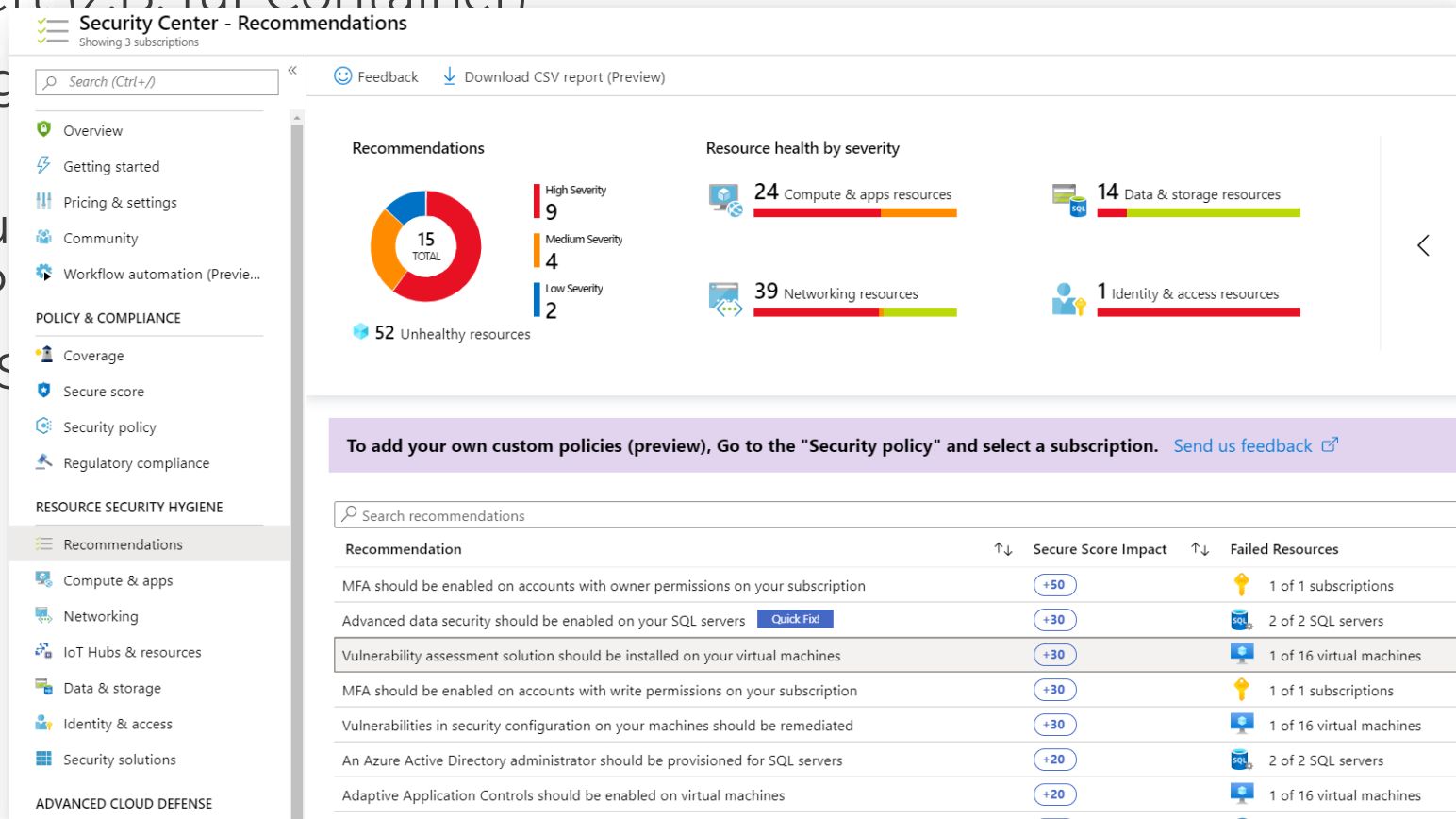
☐ Gen 1 ☒ Gen 2

i Generation 2 VMs (preview) do not yet support some Azure platform features, including VM backup, Azure Site Recovery, or Azure Disk Encryption.



Azure Infrastructure

- Azure Cost Management für CSP / MCA
- Neue VM-Größen(z.B. NDv2, AMD EPYC based HBv2, ...)
- Größere VMs in bestehenden Serien (bis 48 vCPUs in D-, E- und F-Series)
- Azure Monitor deutlich erweitert (z.B. für Container)
- Windows Admin Center – Integration mit anderen Azure Funktionen
- Einige Verbesserungen für Azure PowerShell (Massenänderungen, Custom PowerShell)
- Vulnerability Assessment for Azure



Azure Infrastructure

- Azure Firewall Manager (zentrale Verwaltung mehrerer Azure Firewalls)
- IPv6 für VNET
- Kleinere SSD-Disks (ab 4GB)
- Inkrementelle Snapshots für Azure Disks
- VHD-Upload

Disk details

Disk name * ⓘ

Region * ⓘ

(US) East US

▼

Availability zone

None

▼

Source type ⓘ

Storage blob

▼

Source subscription

Microsoft Azure Sponsorship

▼

Source blob * ⓘ

Browse

OS type ⓘ

WindowsLinuxNone (data disk)

VM generation ⓘ

Gen 1Gen 2

Azure Infrastructure

- Dedicated Hosts (GA)
- Spot VMs (PREVIEW)
- Azure VMware Solution by CloudSimple

Instance details

Virtual machine name * ⓘ

Region * ⓘ (US) West US

Availability options ⓘ No infrastructure redundancy required

Image * ⓘ Ubuntu Server 18.04 LTS
[Browse all public and private images](#)

Azure Spot instance ⓘ ☐ Yes ☒ No

Size * ⓘ [Select size](#)

Dashboard > New > Dedicated Hosts > Create dedicated host

Create dedicated host

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ Microsoft Azure Sponsorship

Resource group * ⓘ RG-Sandbox
[Create new](#)

Instance details

Name * ⓘ DedicatedDemoHost1 ✓

Location * ⓘ (Europe) West Europe

Hardware profile

Size family * ⓘ Standard DSv3 Family - Type 1

✗ 64 vCPUs are needed for this configuration, but only 0 vCPUs (of 0) remain for the Dedicated vCPUs.

Host group * ⓘ DemoHostGroup

Fault domain * 1

Automatically replace host on failure * ⓘ ☒ Enabled ☐ Disabled

Save money

Save money by using licenses you already own. [Learn more about Azure Hybrid Benefit](#)

Already have Windows Server licenses? * ☐ Yes ☒ No

Already have SQL Server licenses? * ☐ Yes ☒ No

App / App Service

- Managed TLS Zertifikate für App Service
- Azure Migrate unterstützt jetzt .NET und PHP Webanwendungen (auf Windows!)
- Azure Functions ohne cold-start (Premium-Plan)
- Diverse Verbesserungen für AKS (AvZone, Autoscaling, Authenticated IP, ...)

Data

- Azure SQL Database Serverless
- Azure DB for PostgreSQL Hyperscale
- Reserved Capacity Option für „Azure DB for PostgreSQL“, „... MySQL“ und „... MariaDB“
- Azure Synapse Analytics (Data Warehouse + Big Data Analytics)

The screenshot displays the Azure Reserved Capacity marketplace interface. At the top, there are three tabs: 'General Purpose', 'Hyperscale', and 'Business Critical'. Below these, a grid of 18 service cards is shown, each with a 'Buy' button. The services include:

- Virtual machine
- SQL Database
- Azure SQL Data Warehouse
- Azure Cosmos DB
- Azure Blob Storage
- Azure Database for MySQL
- Azure Database for MariaDB
- Azure Database for PostgreSQL
- Azure Managed Disks
- Azure Databricks
- Azure Data Explorer
- SUSE Linux
- Red Hat Plans
- Azure VMware Solution by CloudSimple
- Azure Red Hat OpenShift
- App Services

Deprecations

- Azure Container Service (ACS) => 31.01.2020
- Azure Media Indexer v1/v2 => 01.10.2020/01.01.2020
- Azure Scheduler => 31.12.2019
- Kubernetes v1.12 auf AKS => 09.12.2019



THANK YOU!

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