
NTS WEBINAR
WORKLOADS
NEU GEDACHT

NTS DATA CENTER | PLATFORM

INFRASTRUCTURE	PLATFORM	OBSERVABILITY	CLOUD	AI
Compute | Storage	Virtualization	End to End	Hybrid	Platform
DC Network	Containerization	App Performance	Hyperscaler	Consulting
Security	Microsoft	Digital Experience	Private Cloud	As a Service
Backup & Recovery	IAC | Automation	LOG | ITSM | OT	Disaster Recovery	

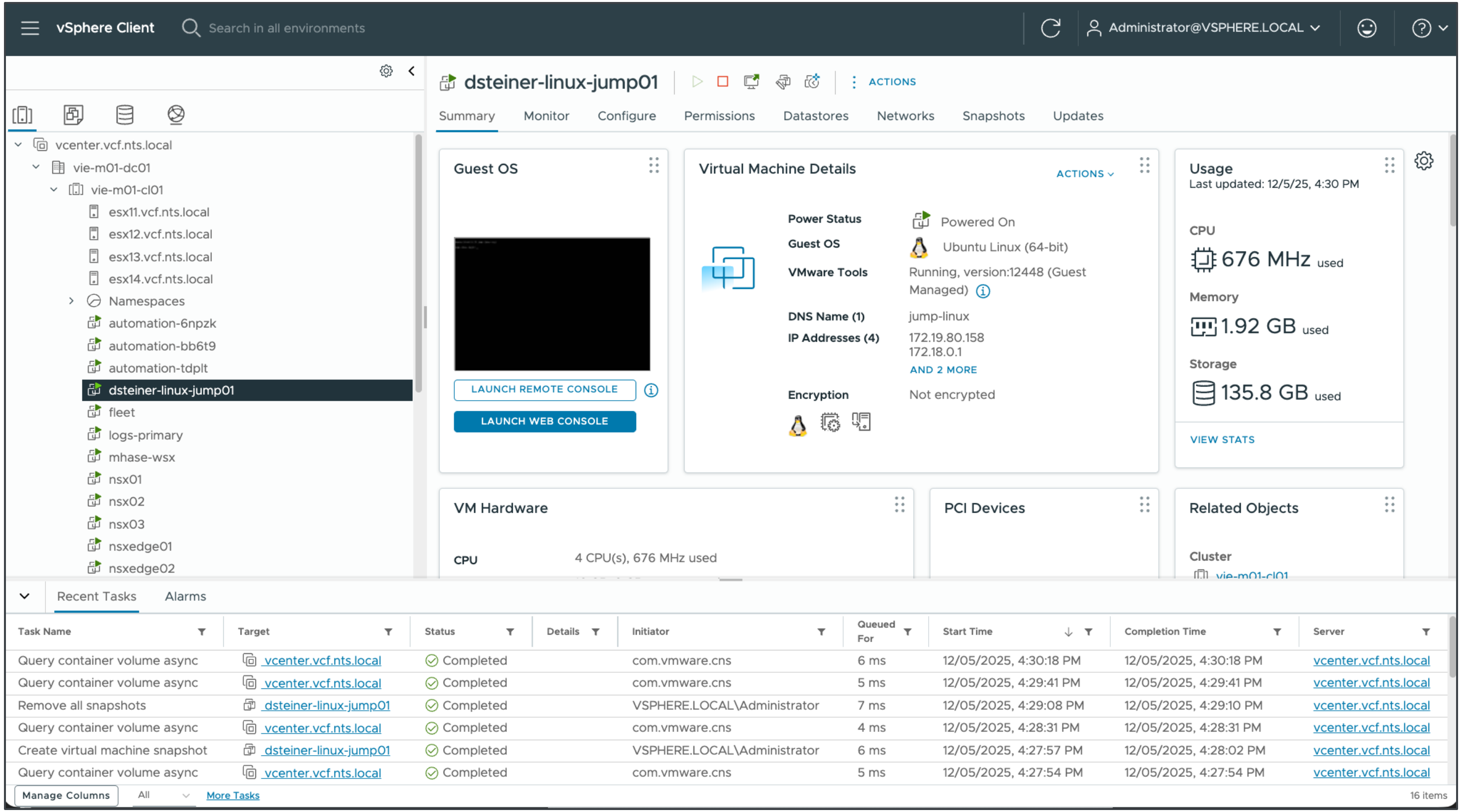
NTS STRATEGIE
1 - 2 - 3

1. **Optimieren** – VMware by Broadcom
2. **Transformieren** - Red Hat OpenShift
3. **Migrieren** - Alternativen - Proxmox

VMWARE BY BROADCOM

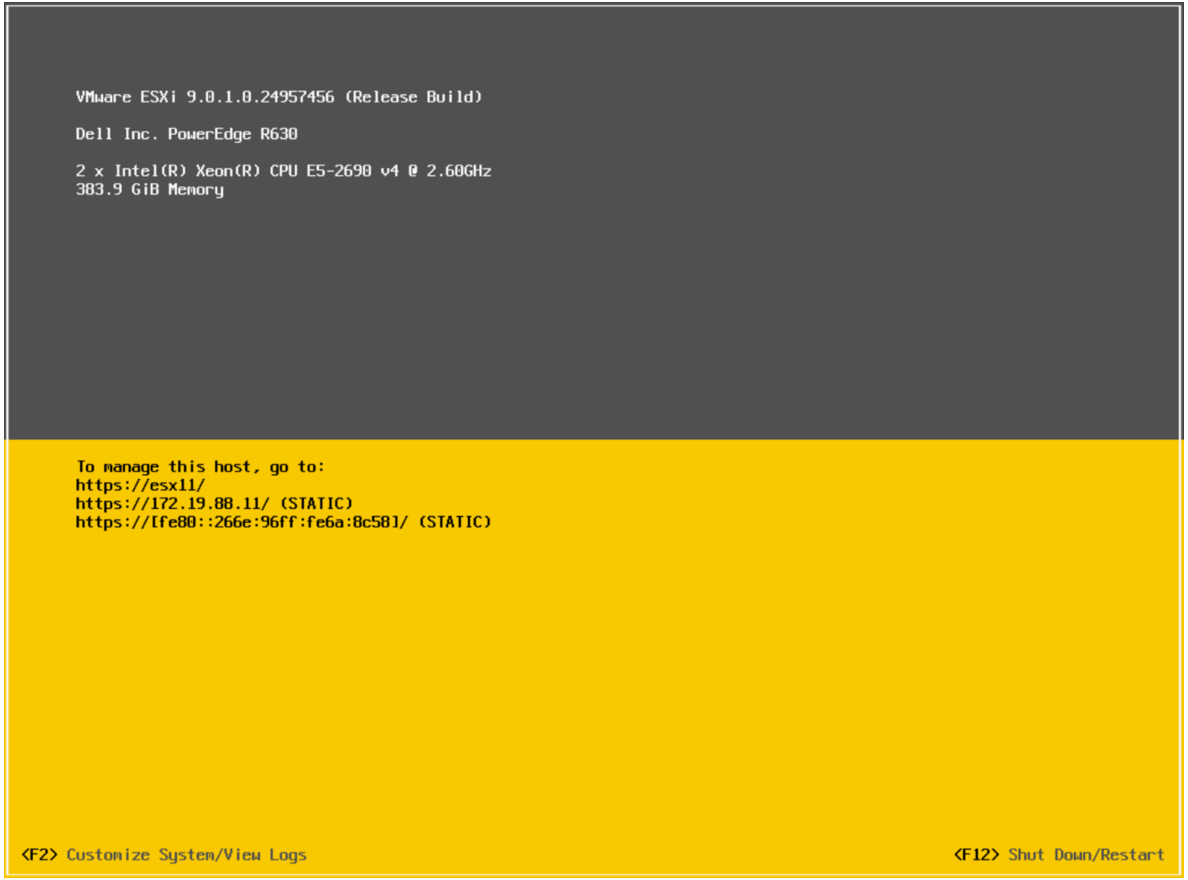
VMWARE

VMWARE, EIN ALTER BEKANNTER



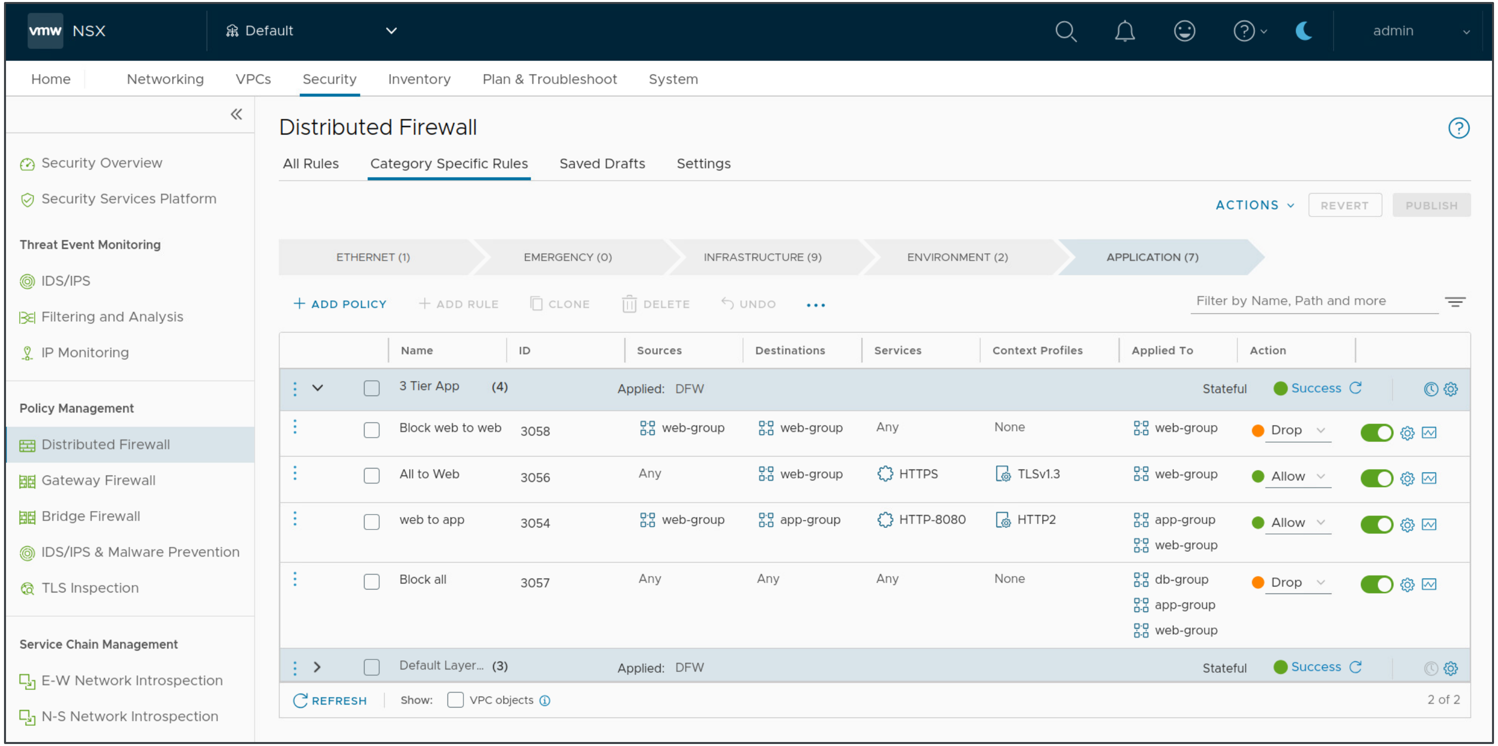
VMWARE

VMWARE, EIN ALTER BEKANNTER



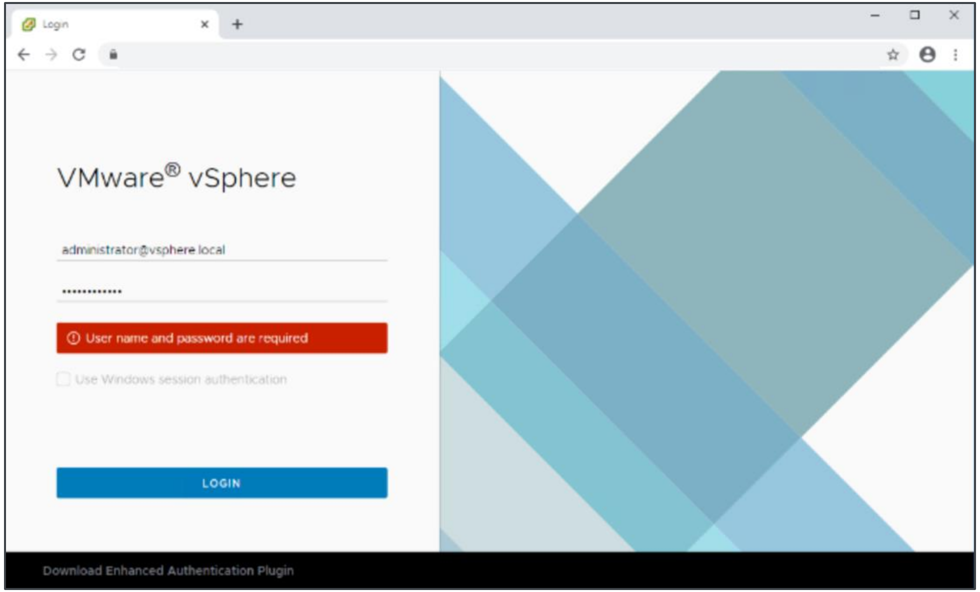
VMWARE

VMWARE, EIN ALTER BEKANNTER



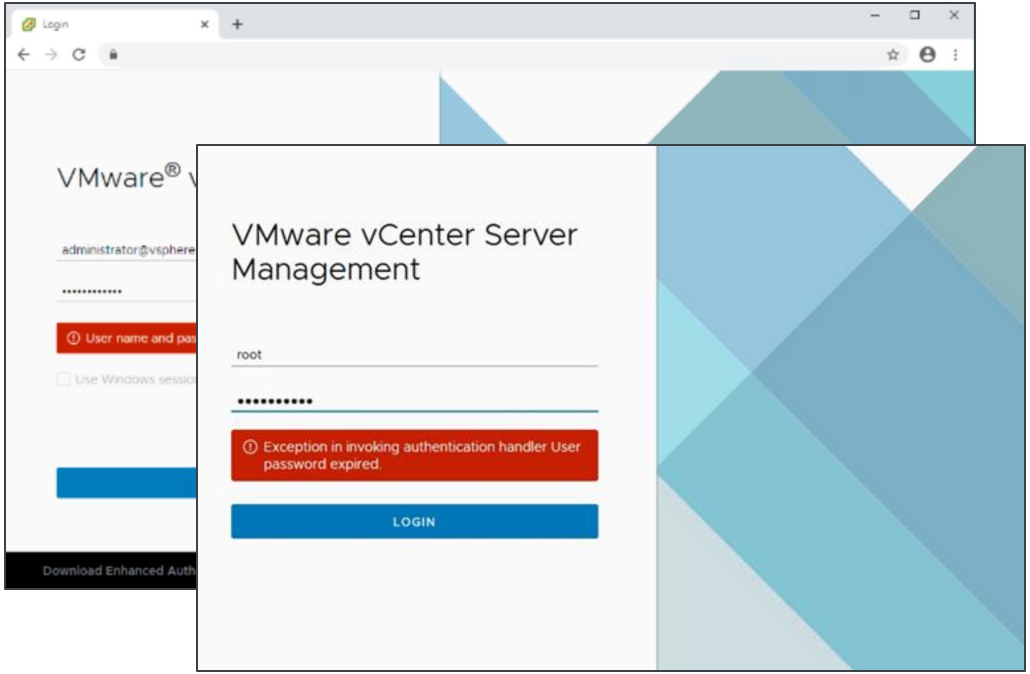
VMWARE

VMWARE, EIN ALTER BEKANNTER



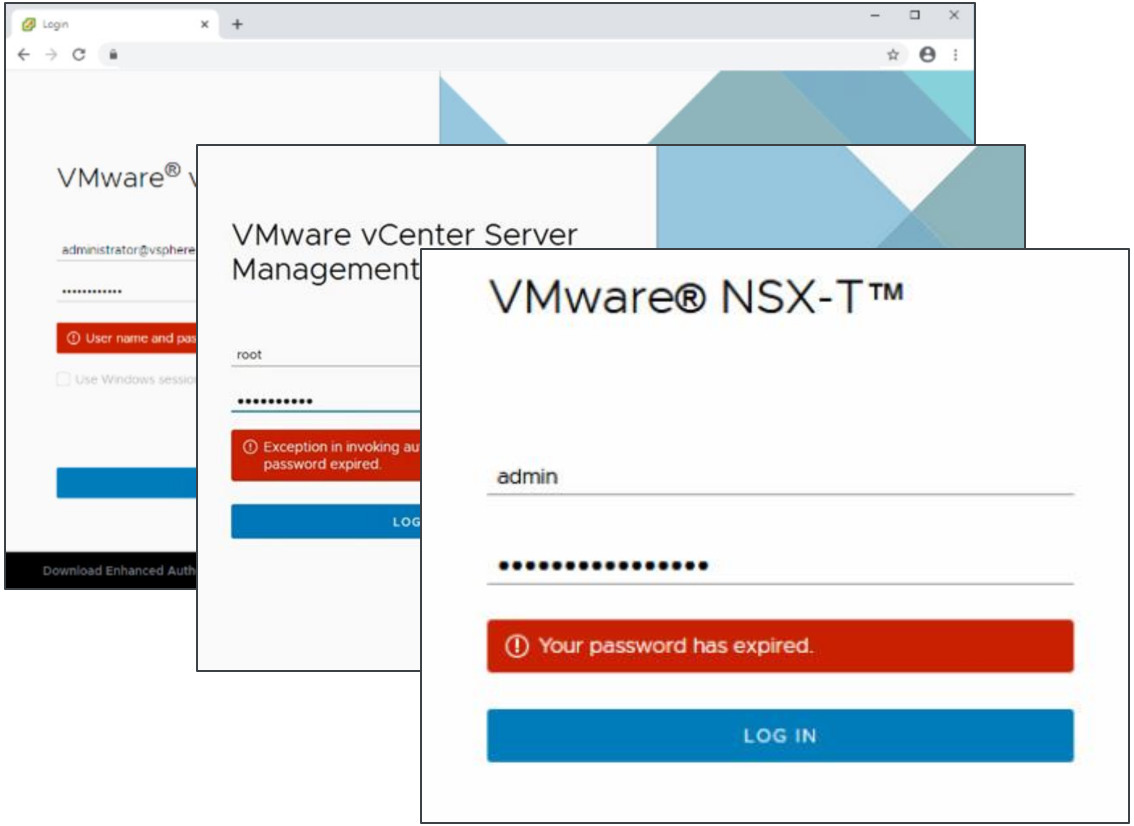
VMWARE, EIN ALTER BEKANNTER

VMWARE



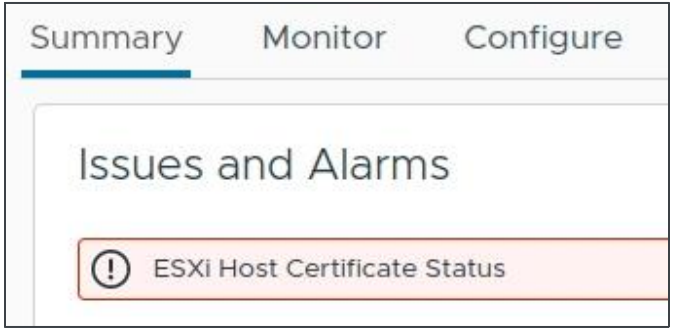
VMWARE

VMWARE, EIN ALTER BEKANNTER



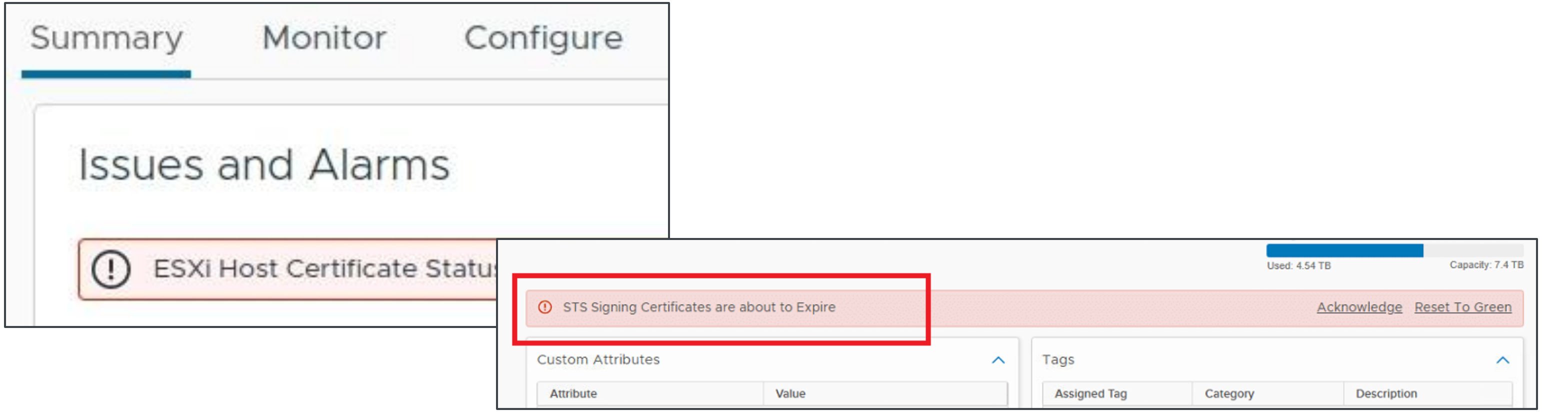
VMWARE

VMWARE, EIN ALTER BEKANNTER



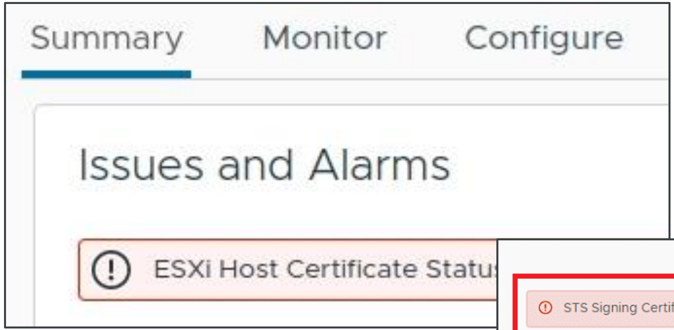
VMWARE

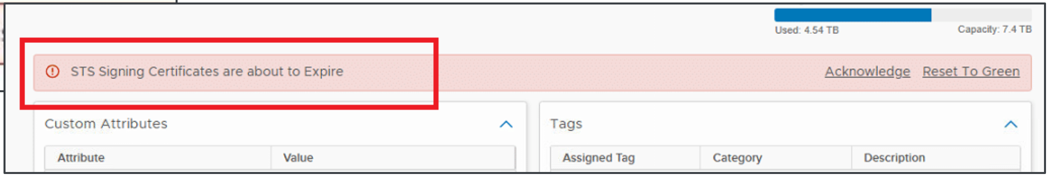
VMWARE, EIN ALTER BEKANNTER

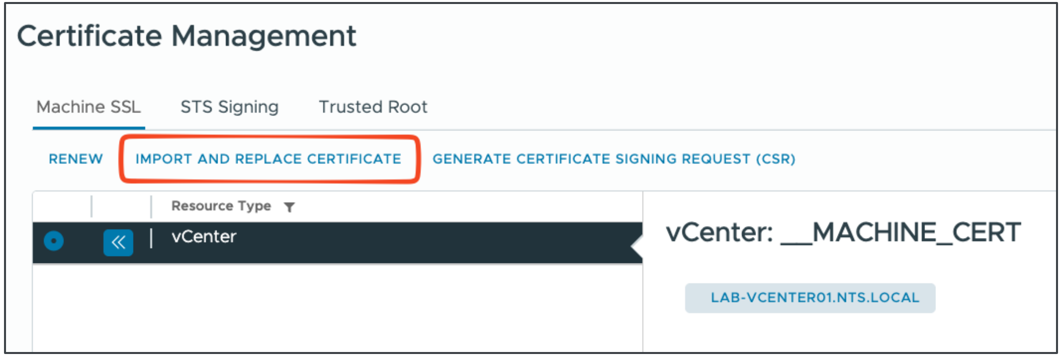


VMWARE

VMWARE, EIN ALTER BEKANNTER

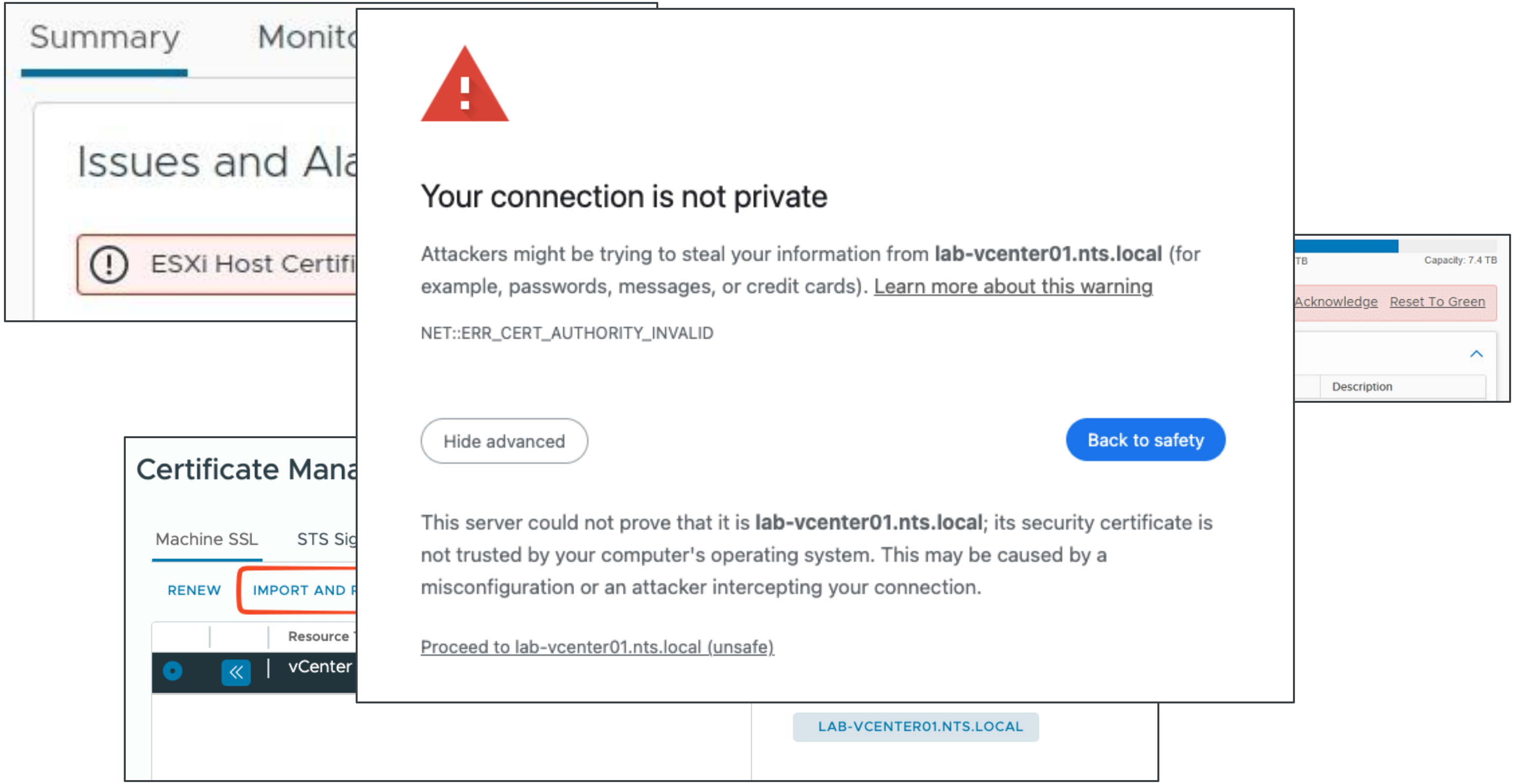




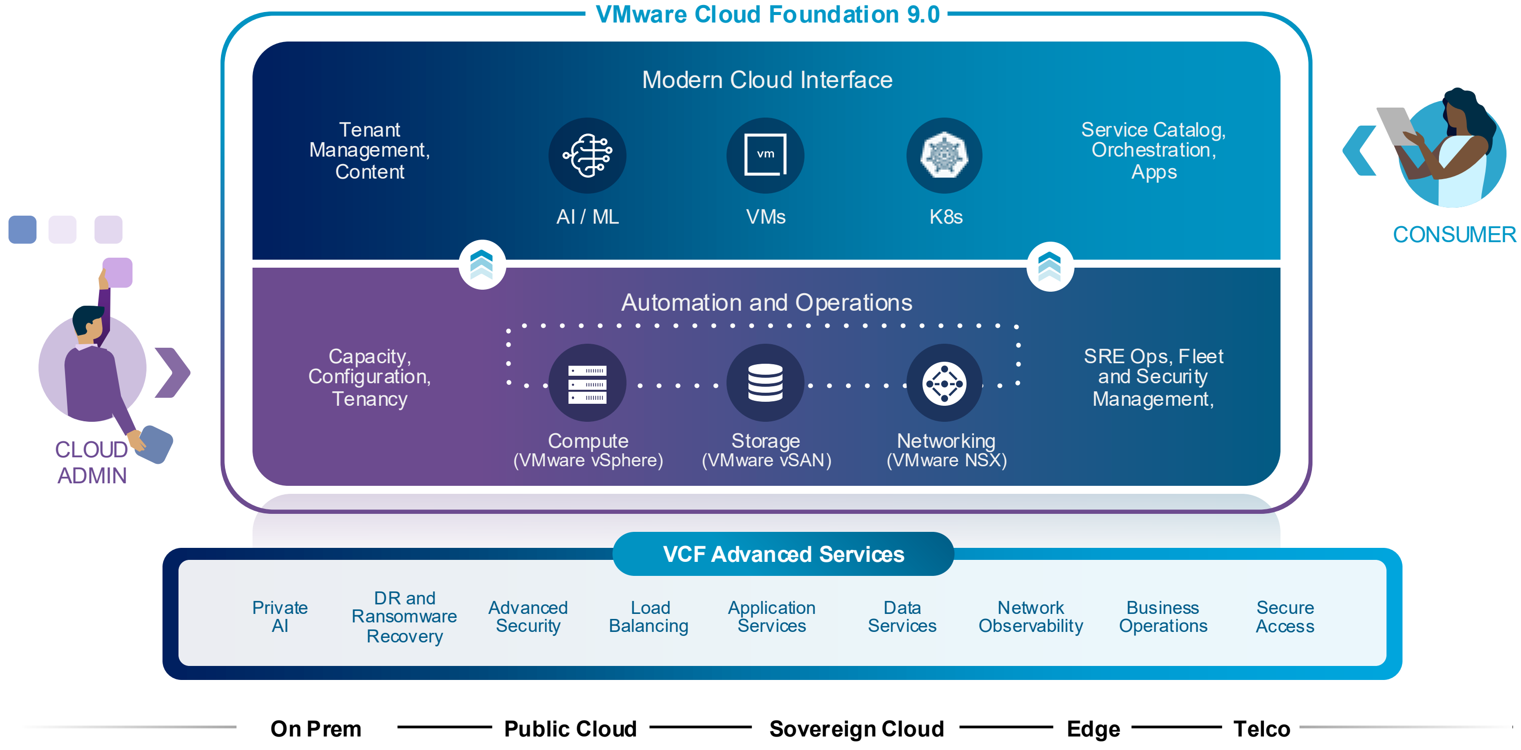


VMWARE

VMWARE, EIN ALTER BEKANNTER

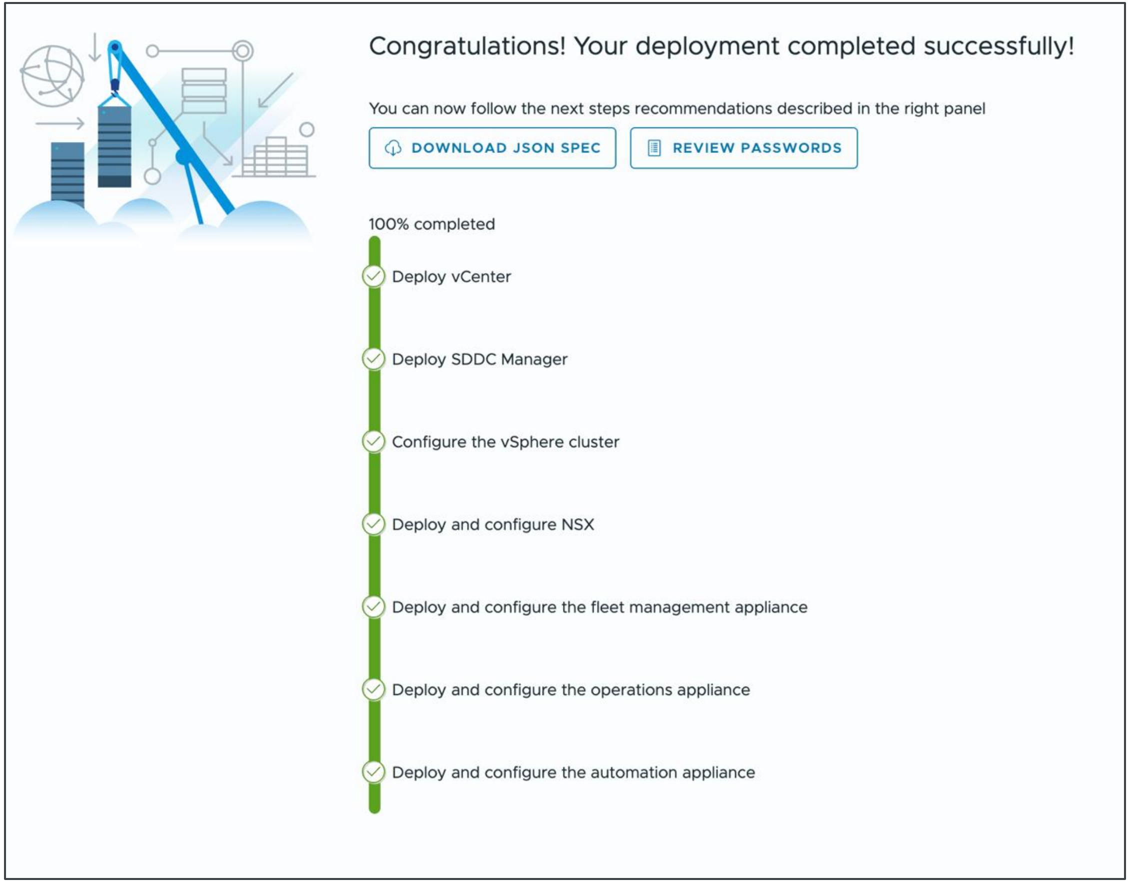


VMWARE CLOUD FOUNDATION 9



VMWARE

VCF INSTALLER



VMWARE CLOUD FOUNDATION 9

VCF OPERATIONS

„Dreh- und Angelpunkt“ der gesamten VCF Plattform

Zentrales Zertifikatsmanagement
Alle Komponenten (ESX, vCenter, NSX, etc.)
Automatisches Renewal
Microsoft CA Integration (Web Enrollment)

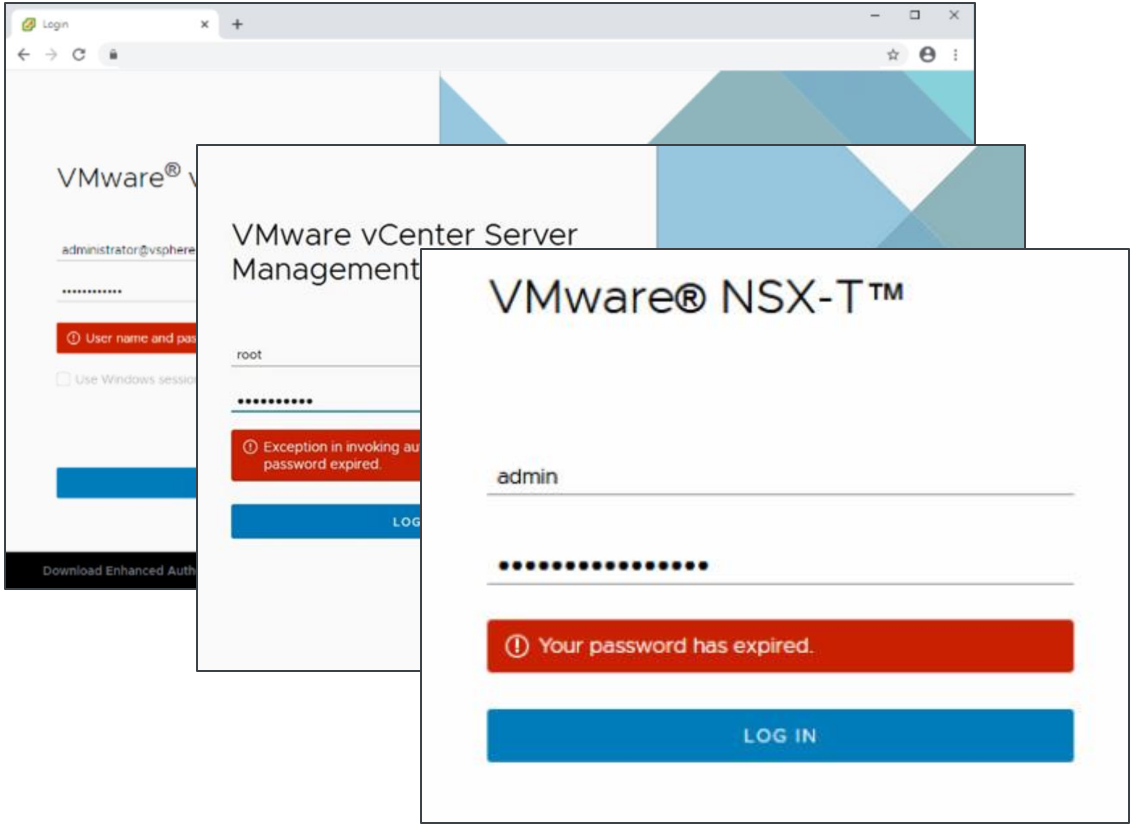
Zentrales Single-Sign-On (SSO)
Alle Komponenten außer ESX
LDAPS oder Federation über SAML/OIDC (z.B. Entra ID, Okta)

Zentrales PW-Management für lokale Admin-User
Automatische Rotierung möglich
Keine abgelaufenen Passwörter mehr

Vorgefertigte Dashboards, Reports, Statistiken und Alarme
„Was sind meine „Heavy-Hitter“-VMs im Bezug auf Storage-IOPS?“
„Welcher Datastores und welche VMs haben problematische Storage-Latenzen?“

VMWARE

LOCKED ACCOUNTS WERDEN ZU…



VMWARE

SET AND FORGET.

NTS Wien

Overview

Account Status

9 Active

VCF Components

1 NSX Manager
1 vCenter
1 SDDC Manager
4 ESX

Filters

VCF Component
- ESX
- NSX Manager
- SDDC Manager
- vCenter

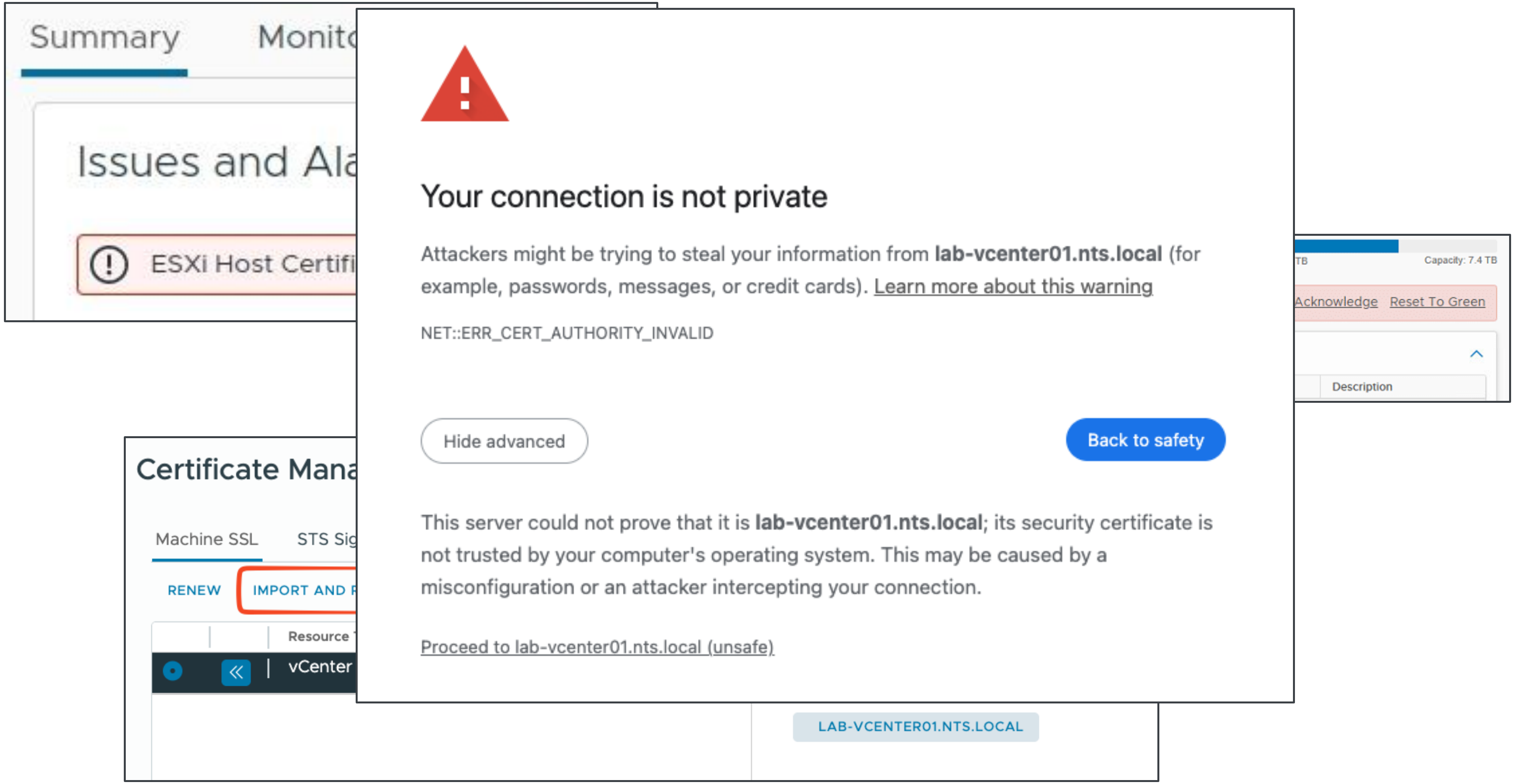
Account Type
Credential Type
Status

UPDATE PASSWORD | REMEDIATE PASSWORD

VCF Component	Appliance IP/FQDN	User Name	Account Type	Credential Type	Status
ESX	esx13.vcf.nts.local	root	USER	SSH	Active
ESX	esx11.vcf.nts.local	root	USER	SSH	Active
ESX	esx12.vcf.nts.local	root	USER	SSH	Active
ESX	esx14.vcf.nts.local	root	USER	SSH	Active
NSX Manager	nsx.vcf.nts.local	audit	SYSTEM	AUDIT	Active
NSX Manager	nsx.vcf.nts.local	admin	SYSTEM	API	Active
NSX Manager	nsx.vcf.nts.local	root	SYSTEM	SSH	Active
SDDC Manager	sddc.vcf.nts.local	backup	SYSTEM	FTP	Active
vCenter	vcenter.vcf.nts.local	root	USER	SSH	Active

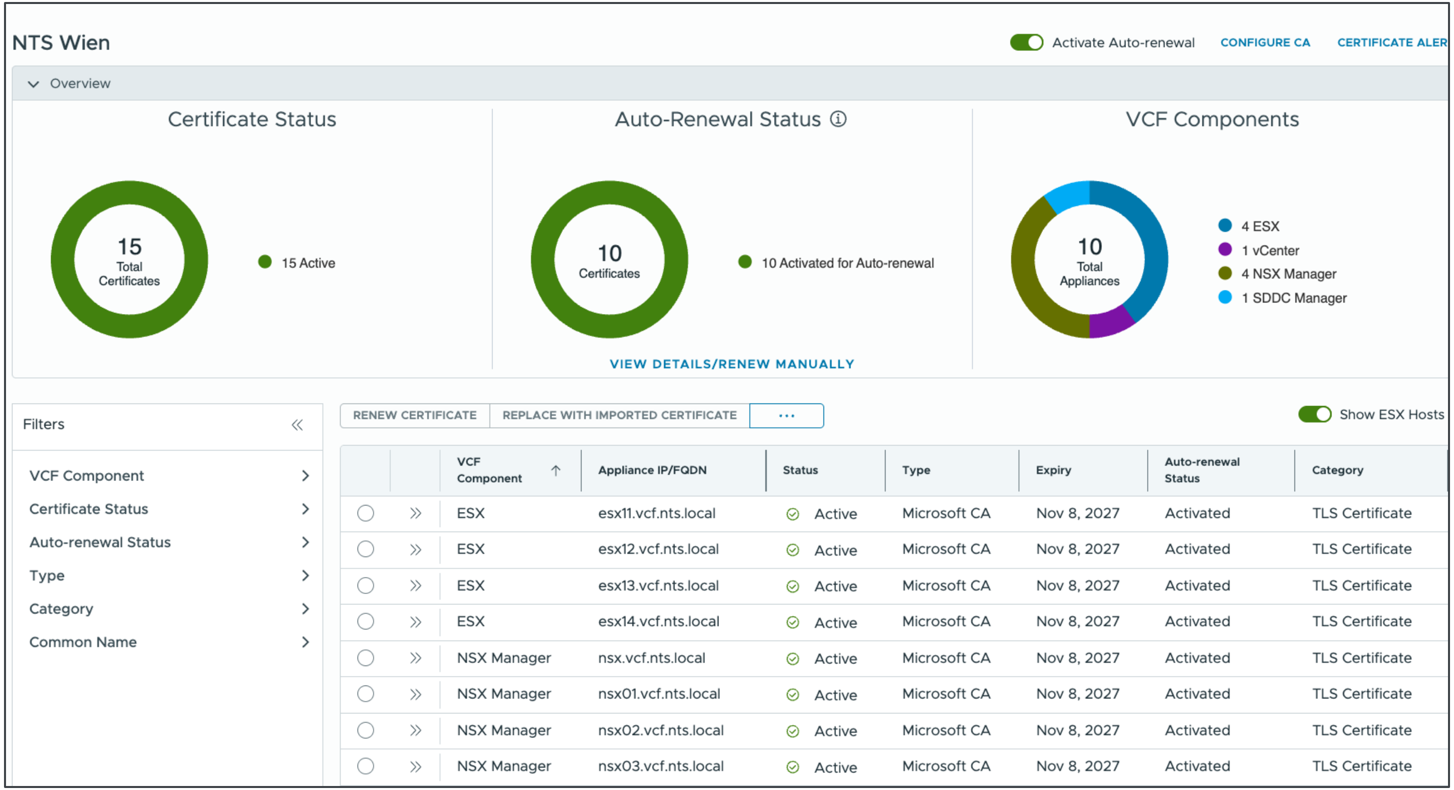
VMWARE

WARNUNGEN WERDEN ZU…



VMWARE

SET AND FORGET.



VMWARE

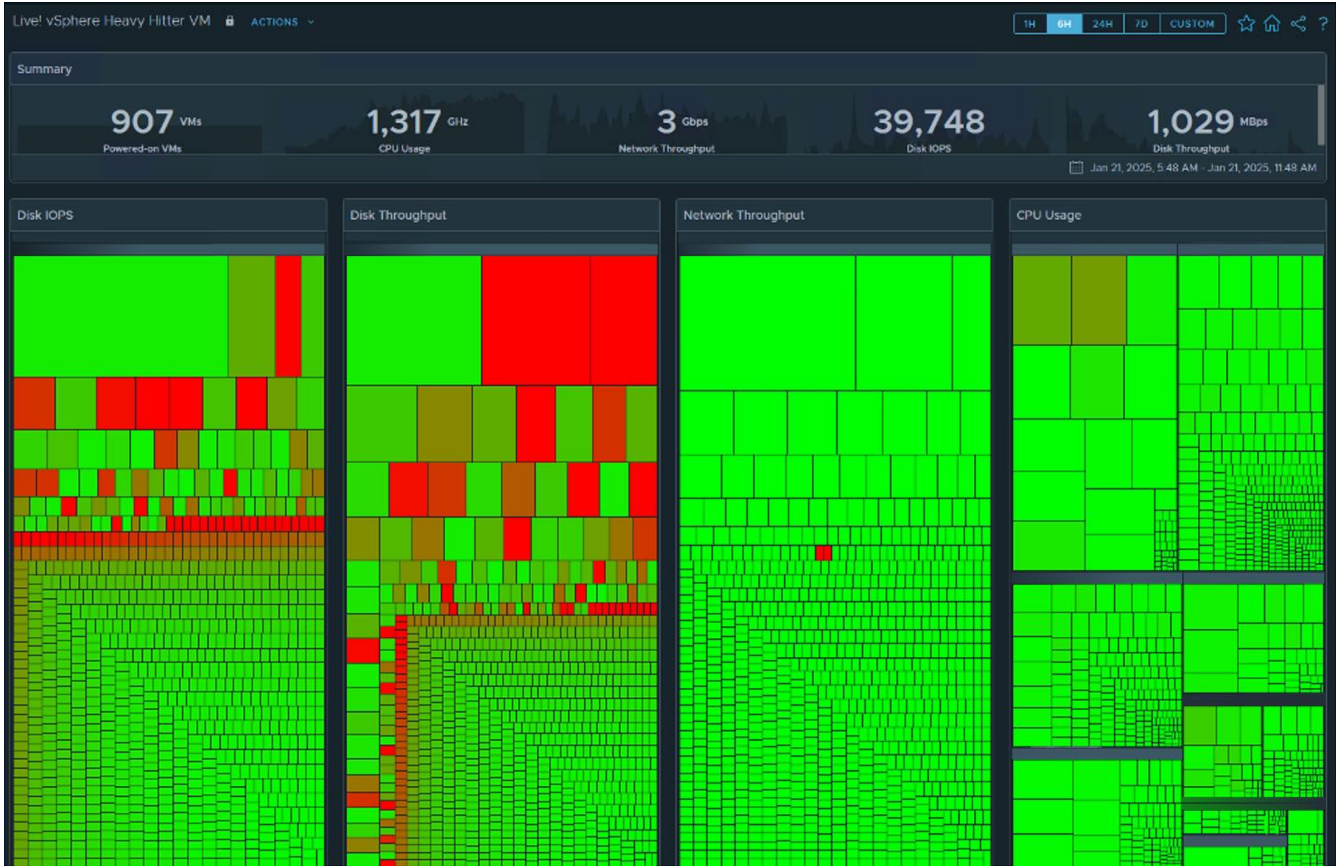
CLI ANALYSE WIRD ZU...

4:49:14pm up 70 days 11:02, 2668 worlds, 35 VMs, 205 vCPUs; CPU load average: 0.56, 0.57, 0.60

GID	VMNAME	VDEVNAME	NVDISK	CMDS/s	READS/s	WRITES/s	MBREAD/s	MBWRTN/s	LAT/rd	LAT/wr
49736943	dell-ome01	-	2	9.19	0.00	9.19	0.00	0.07	0.000	2.058
69707439	wess-vFMC	-	1	34.33	0.00	34.33	0.00	0.22	0.000	1.220
69911522	lab-nsxm01	-	2	113.05	0.00	113.05	0.00	0.85	0.000	0.522
78544467	pskerda_FortiMa	-	2	0.35	0.00	0.35	0.00	0.00	0.000	0.503
79301553	nstehno_ubuntu	-	1	0.00	0.00	0.00	0.00	0.00	0.000	0.000
99929346	heh01	-	1	1.91	0.00	1.91	0.00	0.01	0.000	0.490
104406250	wess-wsa2	-	1	0.52	0.17	0.35	0.01	0.00	1.093	0.482
119581764	viesql02	-	2	0.00	0.00	0.00	0.00	0.00	0.000	0.000
119584757	wess-win10-stor	-	1	0.00	0.00	0.00	0.00	0.00	0.000	0.000
130352699	veeamone01	-	1	4.51	0.00	4.51	0.00	0.03	0.000	0.438
130352708	mkarner-pano002	-	2	21.15	0.00	21.15	0.00	0.26	0.000	1.158
130353513	pwimmer-dc1	-	1	0.69	0.00	0.69	0.00	0.02	0.000	1.310
130353608	pwimmer-dc2	-	1	5.90	2.77	3.12	0.03	0.11	0.835	0.683
145050661	jholzer-ubuntu-	-	1	0.00	0.00	0.00	0.00	0.00	0.000	0.000
174035822	jho_FTDHUB02	-	1	219.35	4.68	214.66	0.03	56.27	5.415	9.013
181301337	mstaudt-lab	-	1	0.00	0.00	0.00	0.00	0.00	0.000	0.000
192811853	jho_FTDSPOKE012	-	1	1.56	0.00	1.56	0.00	0.03	0.000	1.035
210205504	asms01	-	1	14.74	0.00	14.74	0.00	4.12	0.000	2.612
210205513	dsteiner-demo-e	-	1	2.08	2.08	0.00	0.01	0.00	0.744	0.000
229648419	jho_PAN03	-	1	1.56	0.00	1.56	0.00	0.01	0.000	0.726
229648618	hdinnobl_cml2_2	-	1	0.00	0.00	0.00	0.00	0.00	0.000	0.000

VMWARE

DASHBOARDS UND ALARME.



PORTFOLIO

VMware Cloud Foundation

- vSphere Ent Plus (includes VKS, vCenter)
- vSAN (1 TiB / core)
- NSX Networking
- Aria Suite Enterprise
- SDDC Manager & TMC
- Select Support and SRE

vSphere Foundation

- vSphere Ent Plus (includes VKS, vCenter)
- vSAN (250 GiB / core)
- Aria Suite Standard

Advanced Services Add-Ons

vSAN[1]	VCDR/RWR[1]	SRM Enterprise[1]
vDefend Firewall[2]	vDefend Firewall with ATP[2]	Avi Load Balancer
Tanzu Intelligence	Bitnami	TAP/Spring

vSphere Standard

- vSphere Standard (includes vCenter)

vSphere Enterprise Plus

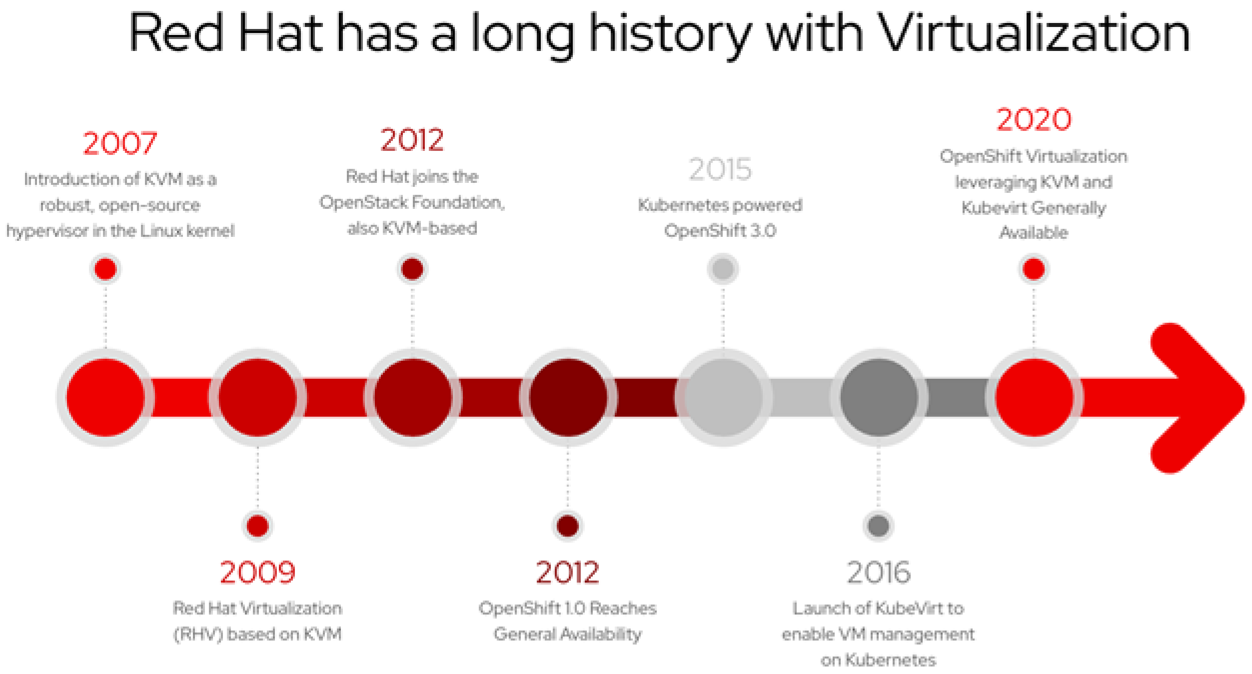
- vSphere Enterprise Plus (includes vCenter)

1 Add-on for VCF and vSphere Foundation only

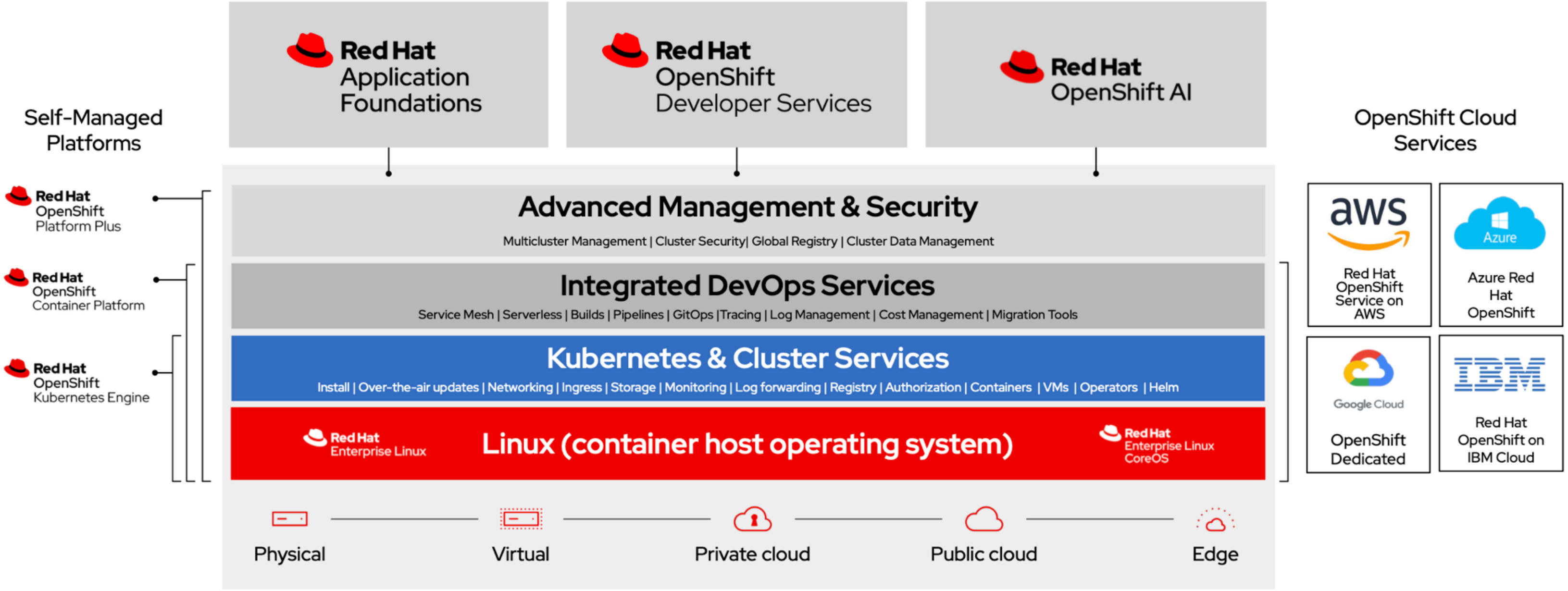
2 Add-on for VCF only

RED HAT OPENSHIFT VIRTUALIZATION

RED HAT OPENSHIFT VIRTUALIZATION

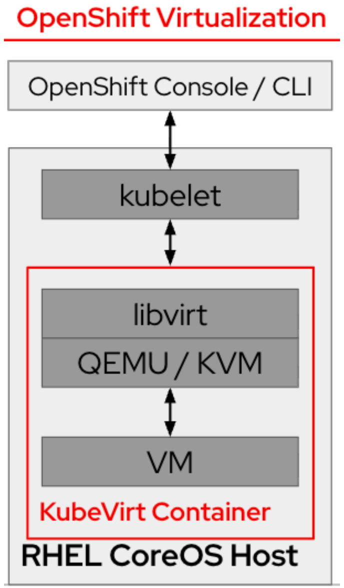


RED HAT OPEN HYBRID CLOUD PLATFORM
DIFFERENT VERSIONS & FLAVOURS



OPENSHIFT VIRTUALIZATION
WAS STECKT DAHINTER?

- **Installation über einen Operator**
- **Installiert die benötigten Funktionalitäten z.B.**
  - CRD: benötigte Kubernetes API Erweiterungen
  - KVM: erlaubt die HW Virtualisierung
  - QEMU: steuert die virtualisierte HW
  - libvirt: API Schnittstelle
- **VMs laufen in Container, werden als Pod verwaltet**
- **Scheduling, Deployments und Verwaltung über Kubernetes (kubevirt)**
- **Integration mit Containerorchestrierung zB**
  - Container Networking Interface (CNI)
  - Container Storage Interface (CSI)



OPENSHIFT VIRTUALIZATION

Self-managed OpenShift editions

	Red Hat OpenShift Virtualization Engine	Red Hat OpenShift Kubernetes Engine	Red Hat OpenShift Container Platform	Red Hat OpenShift Platform Plus
Virtual machine workloads Migrate, manage, and deploy virtual machines	✓	✓	✓	✓
Enterprise Kubernetes for container applications Build, deploy, and run containerized applications		✓	✓	✓
Comprehensive application platform Full set of operations and developer services and tools			✓	✓
Management and security at scale Complete platform for accelerating app development and app modernization				✓
Red Hat Enterprise Linux Subskription ist inkludiert		✓	✓	✓

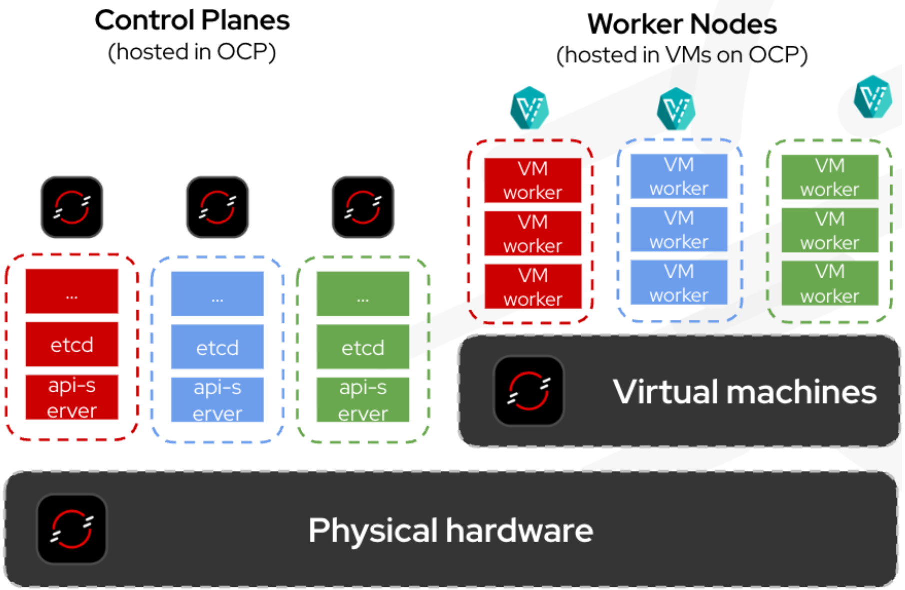
SLA / Edition	OpenShift Virtualization Engine	OpenShift Kubernetes Engine	OpenShift Container Platform	OpenShift Container Platform Plus
Premium	2.640€ MSRP / 1Y	11.616€ MSRP / 1Y	34.848€ MSRP / 1Y	43.560€ MSRP / 1Y
Standard	1.760€ MSRP / 1Y	7.667€ MSRP / 1Y	23.232€ MSRP / 1Y	29.185€ MSRP / 1Y
NTS Managed Service (Red Hat CCSP)				

OPENSHIFT VIRTUALIZATION

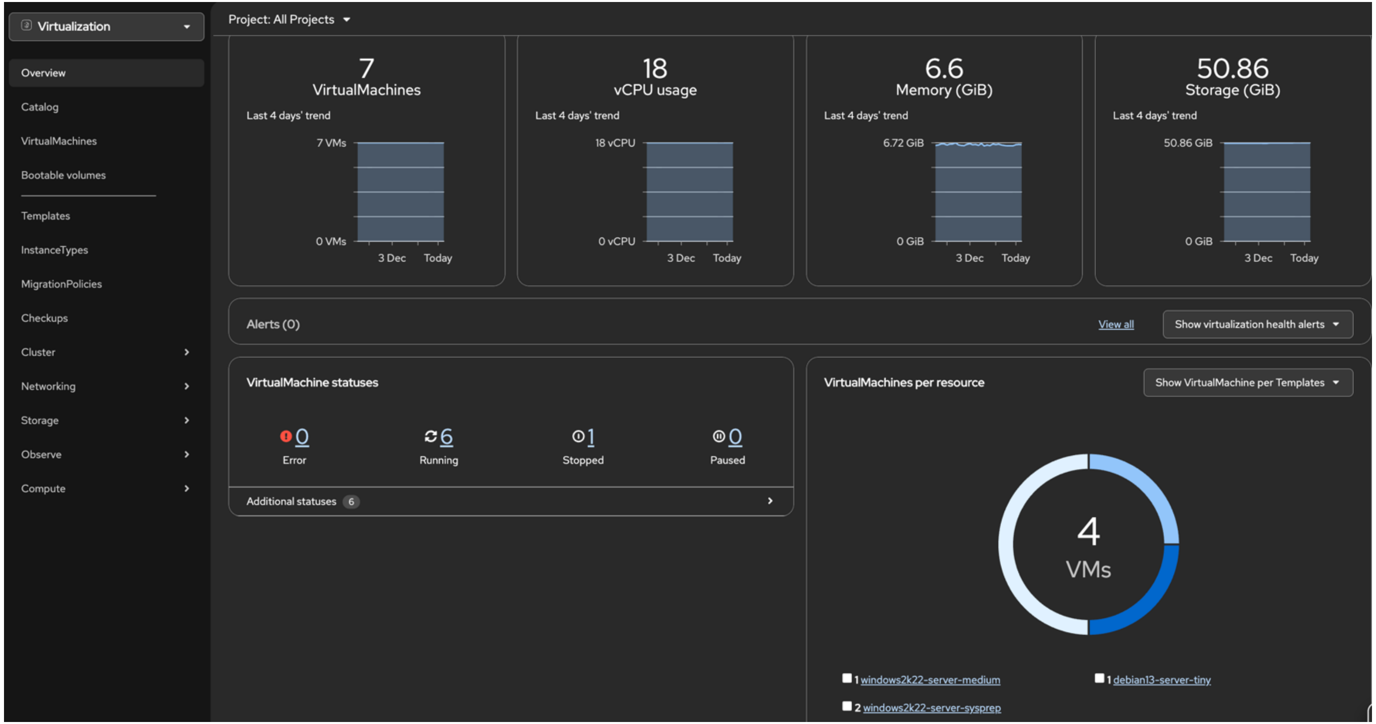
Utilizing OpenShift Virtualization to consolidate OpenShift clusters

Increase utilization of infrastructure

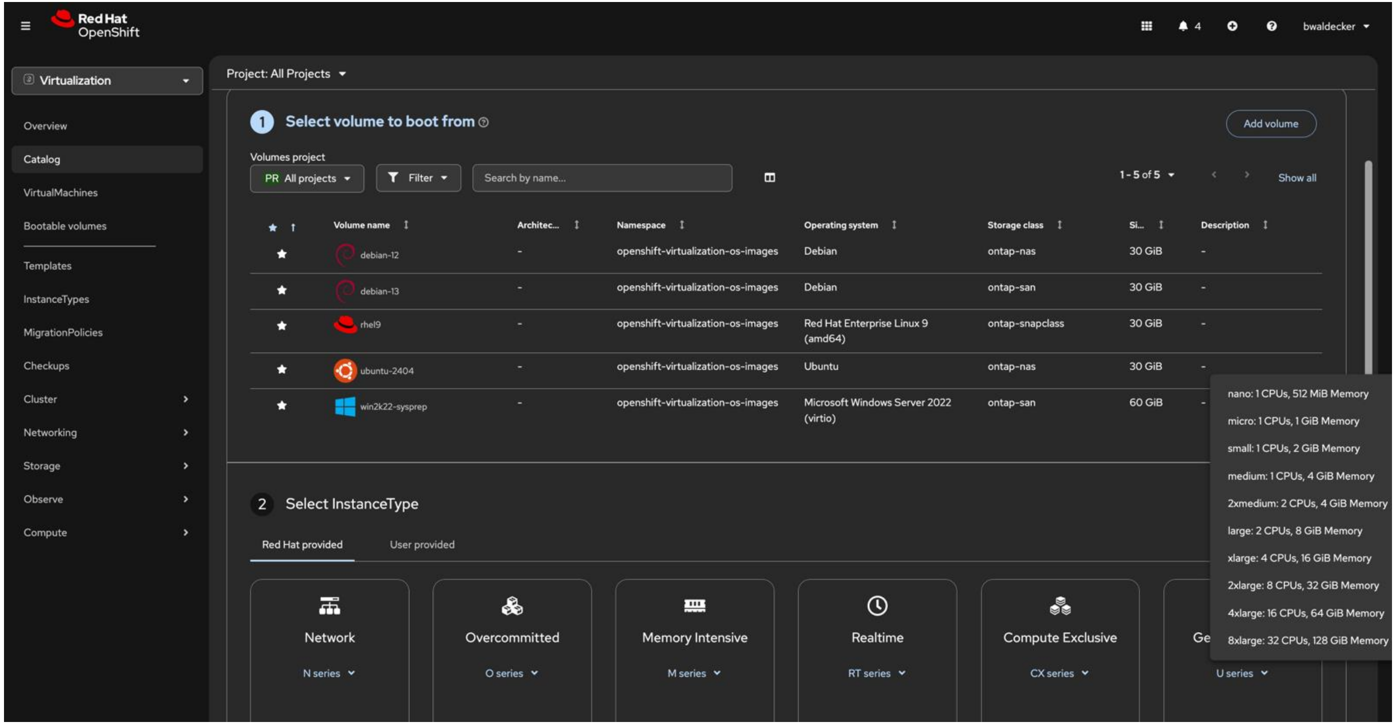
Reduce dependency on legacy virtualization



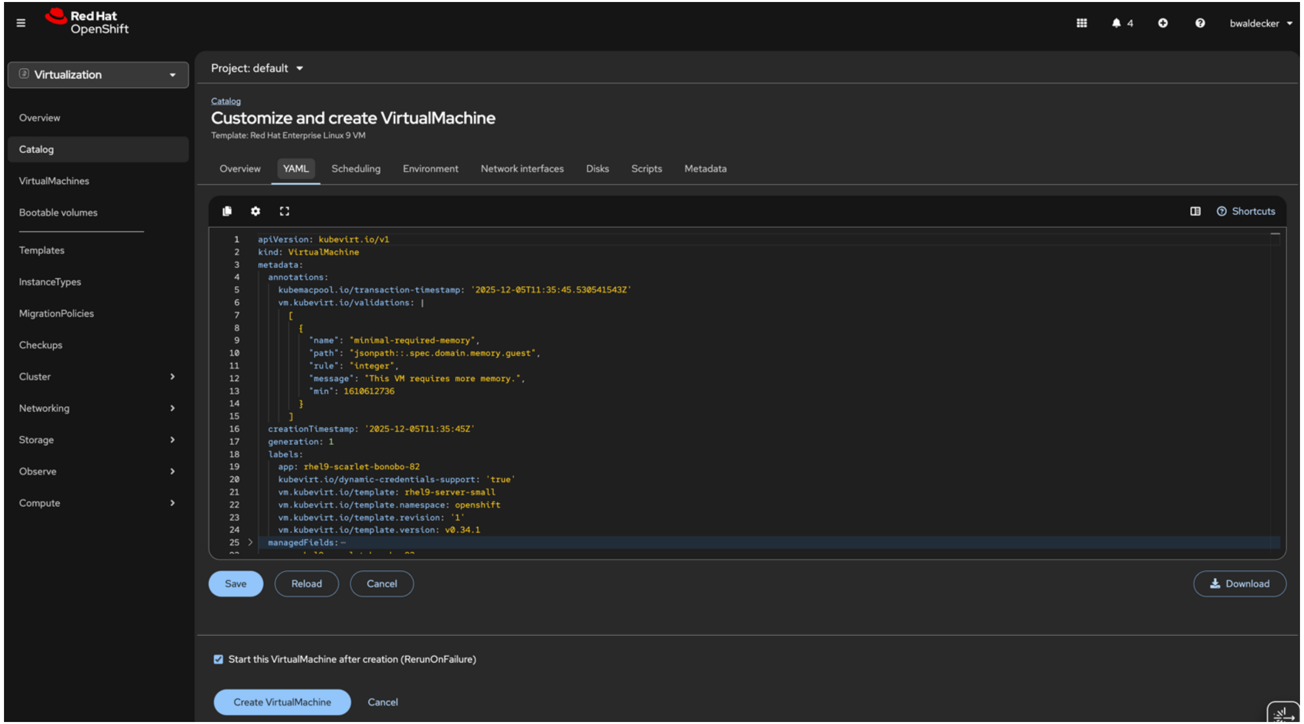
VIRTUALIZATION OVERVIEW



VM CATALOGUE

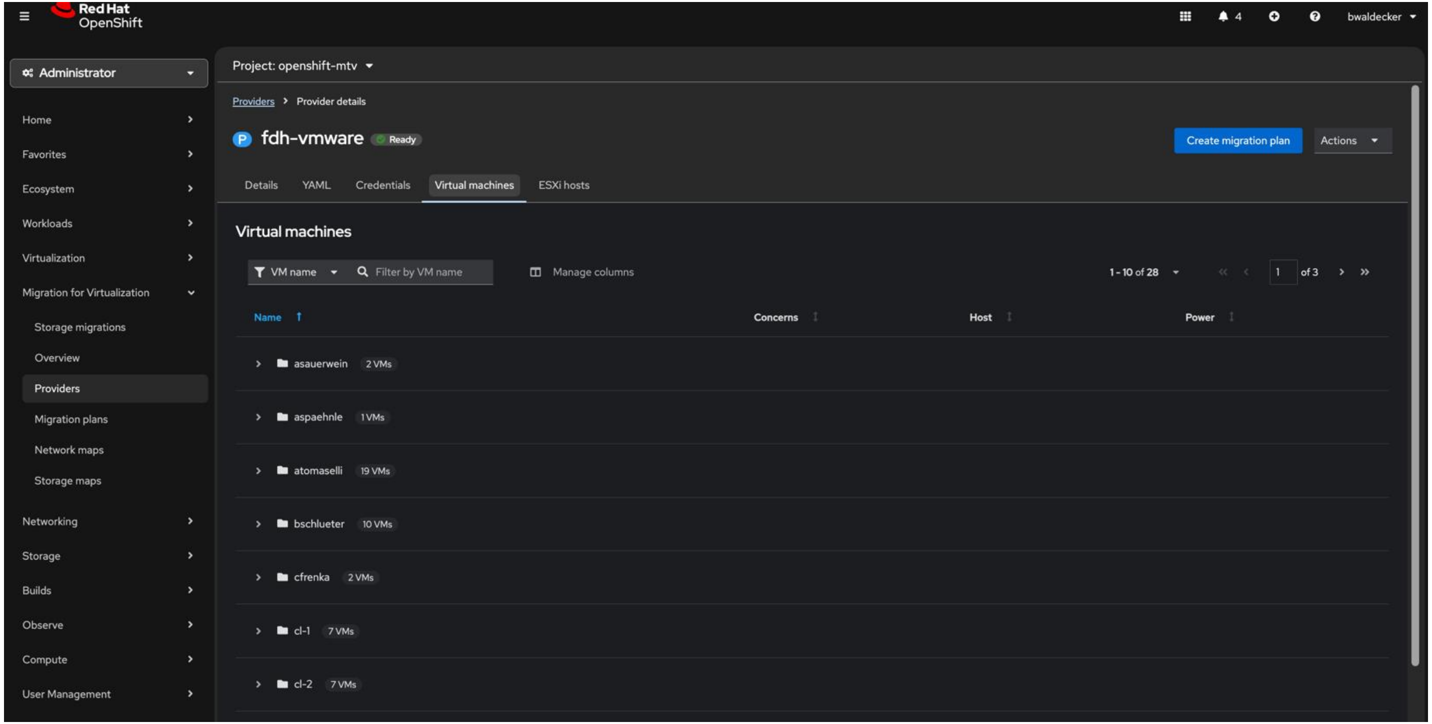


GITOPS



Red Hat
OpenShift
4
bwaldecker
Virtualization
Overview
Catalog
VirtualMachines
Bootable volumes
Templates
InstanceTypes
MigrationPolicies
Checkups
Cluster
Networking
Storage
Observe
Compute
Project: default
Catalog
Customize and create VirtualMachine
Template: Red Hat Enterprise Linux 9 VM
Overview
YAML
Scheduling
Environment
Network interfaces
Disks
Scripts
Metadata
Shortcuts
apiVersion: kubevirt.io/v1
kind: VirtualMachine
metadata:
annotations:
kubemacpool.io/transaction-timestamp: '2025-12-05T11:35:45.530541543Z'
vm.kubevirt.io/validations: |
[
{
"name": "minimal-required-memory",
"path": "jsonpath::.spec.domain.memory.guest",
"rule": "integer",
"message": "This VM requires more memory.",
"min": 1610612736
}
]
creationTimestamp: '2025-12-05T11:35:45Z'
generation: 1
labels:
app: rhel9-scarlet-bonobo-82
kubevirt.io/dynamic-credentials-support: 'true'
vm.kubevirt.io/template: rhel9-server-small
vm.kubevirt.io/template.namespace: openshift
vm.kubevirt.io/template.revision: '1'
vm.kubevirt.io/template.version: v0.34.1
managedFields:
Save
Reload
Cancel
Download
Start this VirtualMachine after creation (RerunOnFailure)
Create VirtualMachine
Cancel

OPENSHIFT VIRTUALIZATION
MIGRATION FOR VIRTUALIZATION TOOLKIT



WHAT ELSE?

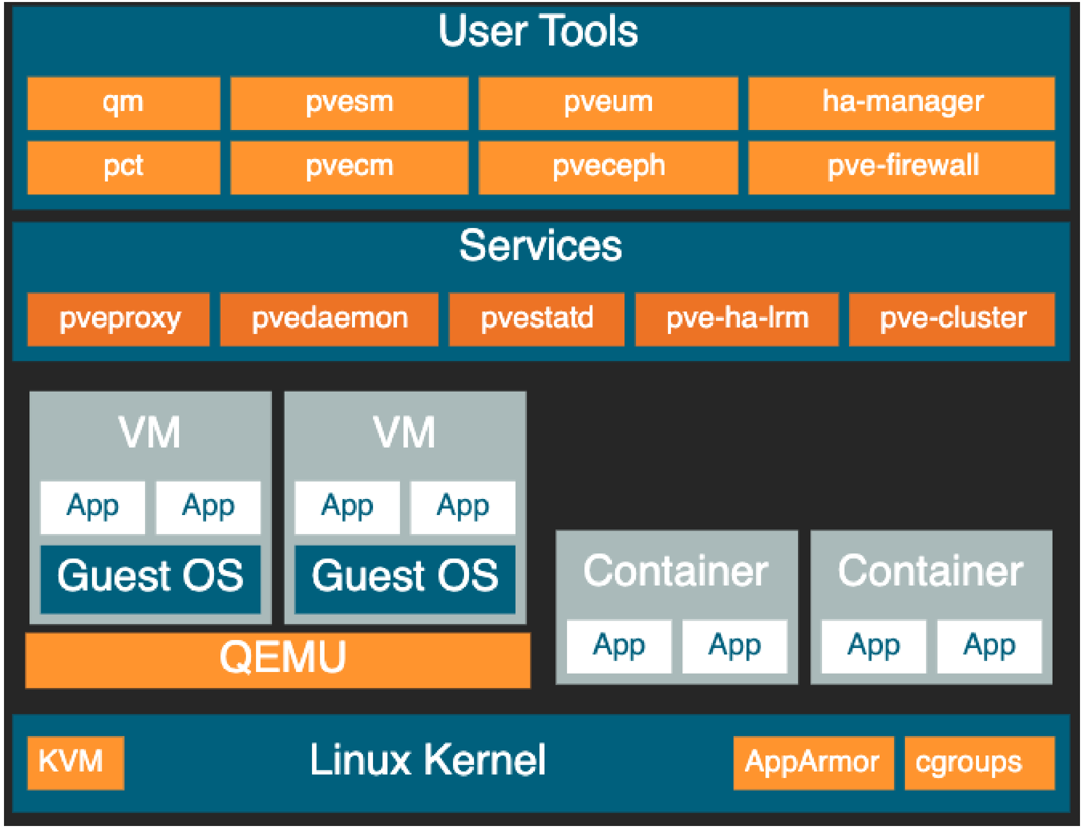
PROXMOX

WAS IST PROXMOX EIGENTLICH?

- Open-source server management platform
- Basierend auf Debian GNU/Linux OS
- QEMU/KVM Based virtualization
- Integrated Web Based User Interface
- Kann VMs and Linux containers (LXC) verwalten
- Proxmox Server Solutions GmbH gegründet in 2005 in Wien
- Proxmox First release 2008 – aktuell PVE 9.1

PROXMOX

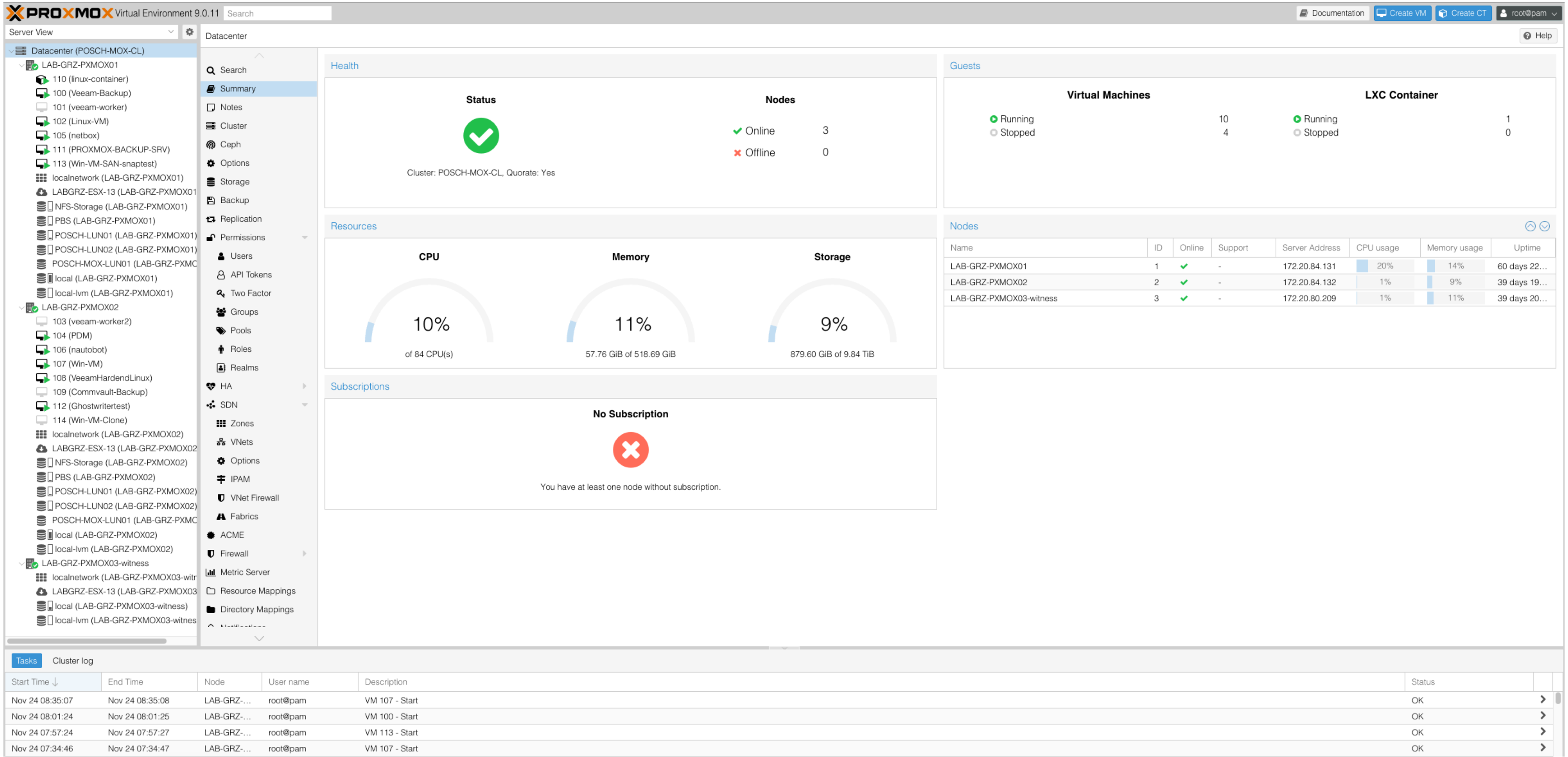
OVERVIEW



PROXMOX

ZENTRALES MANAGEMENT – KEY FEATURES

- Unique Multi-Master Design (No vCenter / Master node)
- High Available Cluster (HA)
- Windows & Linux VMs, LXC Container auf einer Platform
- Security (MFA, RBAC)
- GUI, CLI & Rest API
- Linux networking stack (Linux VLAN, Bonds, Bridges, OVS)
- Software Defined Networking (VNET & Zones, VXLAN)
- Shared Storage: NFS, CIFS, iSCSI & FC (SAN), LVM (Thick), CEPH (HCI)
- Local Storage: DIR, LVM Thin, ZFS (Replication)
- Live/Online Migration (VMs & Storage)
- Integrated Backup & Restore (vzdump) or via Proxmox Backup Server
- VM Templates & Clones
- Migration wizard from Vmware ESXi to Proxmox
- Cisco, Dell & Netapp Support with best practice guide
- 3rd Party Backup vendor Support (Veeam, Commvault)


PROXMOX Virtual Environment 9.0.11
Search
Documentation
Create VM
Create CT
root@pam
Server View
Datacenter
Help
Datacenter (POSCH-MOX-CL)
LAB-GRZ-PXMOX01
110 (linux-container)
100 (Veeam-Backup)
101 (veeam-worker)
102 (Linux-VM)
105 (netbox)
111 (PROXMOX-BACKUP-SRV)
113 (Win-VM-SAN-snaptest)
localnetwork (LAB-GRZ-PXMOX01)
LABGRZ-ESX-13 (LAB-GRZ-PXMOX01
NFS-Storage (LAB-GRZ-PXMOX01)
PBS (LAB-GRZ-PXMOX01)
POSCH-LUN01 (LAB-GRZ-PXMOX01)
POSCH-LUN02 (LAB-GRZ-PXMOX01)
POSCH-MOX-LUN01 (LAB-GRZ-PXMC
local (LAB-GRZ-PXMOX01)
local-lvm (LAB-GRZ-PXMOX01)
LAB-GRZ-PXMOX02
103 (veeam-worker2)
104 (PDM)
106 (nautobot)
107 (Win-VM)
108 (VeeamHardendLinux)
109 (Commvault-Backup)
112 (Ghostwritertest)
114 (Win-VM-Clone)
localnetwork (LAB-GRZ-PXMOX02)
LABGRZ-ESX-13 (LAB-GRZ-PXMOX02
NFS-Storage (LAB-GRZ-PXMOX02)
PBS (LAB-GRZ-PXMOX02)
POSCH-LUN01 (LAB-GRZ-PXMOX02)
POSCH-LUN02 (LAB-GRZ-PXMOX02)
POSCH-MOX-LUN01 (LAB-GRZ-PXMC
local (LAB-GRZ-PXMOX02)
local-lvm (LAB-GRZ-PXMOX02)
LAB-GRZ-PXMOX03-witness
localnetwork (LAB-GRZ-PXMOX03-witr
LABGRZ-ESX-13 (LAB-GRZ-PXMOX03
local (LAB-GRZ-PXMOX03-witness)
local-lvm (LAB-GRZ-PXMOX03-witnes
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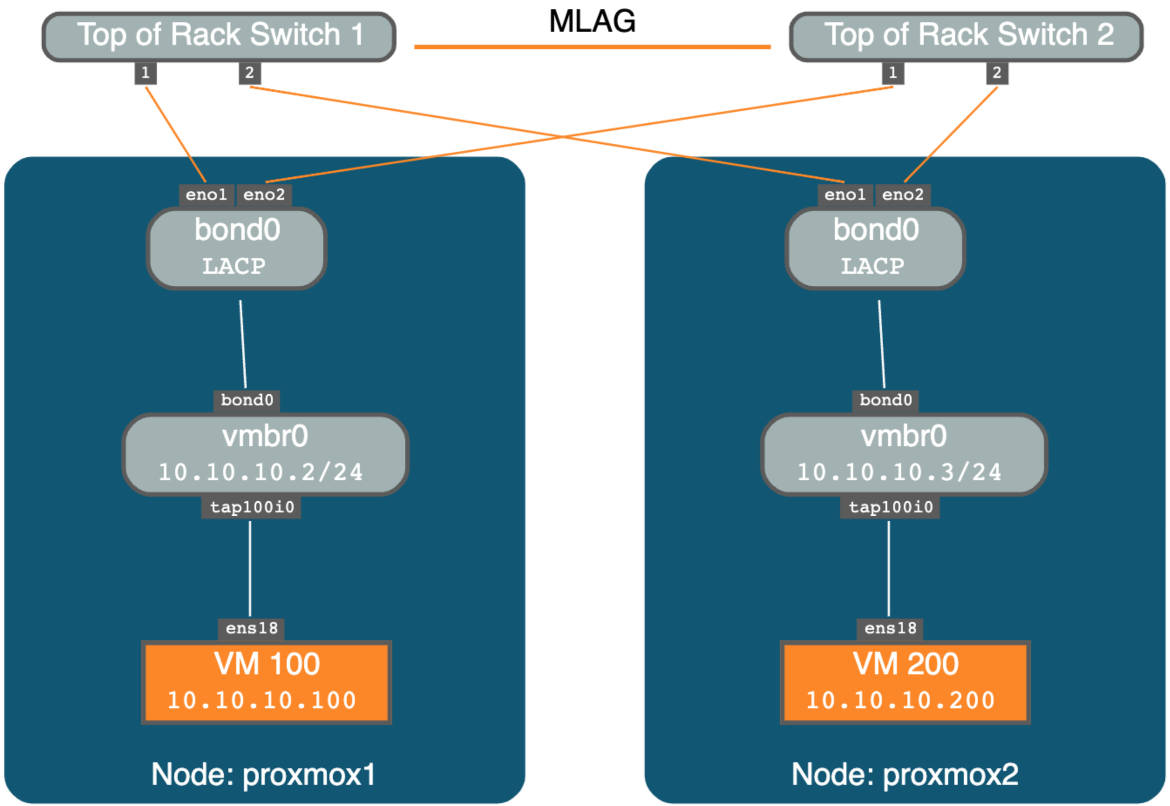
Realms
HA
SDN
Zones
VNets
Options
IPAM
VNet Firewall
Fabrics
ACME
Firewall
Metric Server
Resource Mappings
Directory Mappings
Health
Status
Cluster: POSCH-MOX-CL, Quorate: Yes
Nodes
Online 3
Offline 0
Guests
Virtual Machines
Running 10
Stopped 4
LXC Container
Running 1
Stopped 0
Resources
CPU
10%
of 84 CPU(s)
Memory
11%
57.76 GiB of 518.69 GiB
Storage
9%
879.60 GiB of 9.84 TiB
Nodes
Name ID Online Support Server Address CPU usage Memory usage Uptime
LAB-GRZ-PXMOX01 1 - 172.20.84.131 20% 14% 60 days 22...
LAB-GRZ-PXMOX02 2 - 172.20.84.132 1% 9% 39 days 19...
LAB-GRZ-PXMOX03-witness 3 - 172.20.80.209 1% 11% 39 days 20...
Subscriptions
No Subscription
You have at least one node without subscription.
Tasks
Cluster log
Start Time End Time Node User name Description Status
Nov 24 08:35:07 Nov 24 08:35:08 LAB-GRZ-... root@pam VM 107 - Start OK
Nov 24 08:01:24 Nov 24 08:01:25 LAB-GRZ-... root@pam VM 100 - Start OK
Nov 24 07:57:24 Nov 24 07:57:27 LAB-GRZ-... root@pam VM 113 - Start OK
Nov 24 07:34:46 Nov 24 07:34:47 LAB-GRZ-... root@pam VM 107 - Start OK

PROXMOX

NETWORKING EXAMPLE



PROXMOX

SUPPORTED SHARED STORAGE TYPES

Content Type	NFS	SMB/CIFS	FC	iSCSI	NVMe-oF
Backups	Yes	Yes	No[1]	No[1]	No[1]
VM Disks	Yes	Yes	Yes[2]	Yes[2]	Yes[2]
CT Volumes	Yes	Yes	Yes[2]	Yes[2]	Yes[2]
ISO Images	Yes	Yes	No[1]	No[1]	No[1]
CT Templates	Yes	Yes	No[1]	No[1]	No[1]
Snippets	Yes	Yes	No[1]	No[1]	No[1]

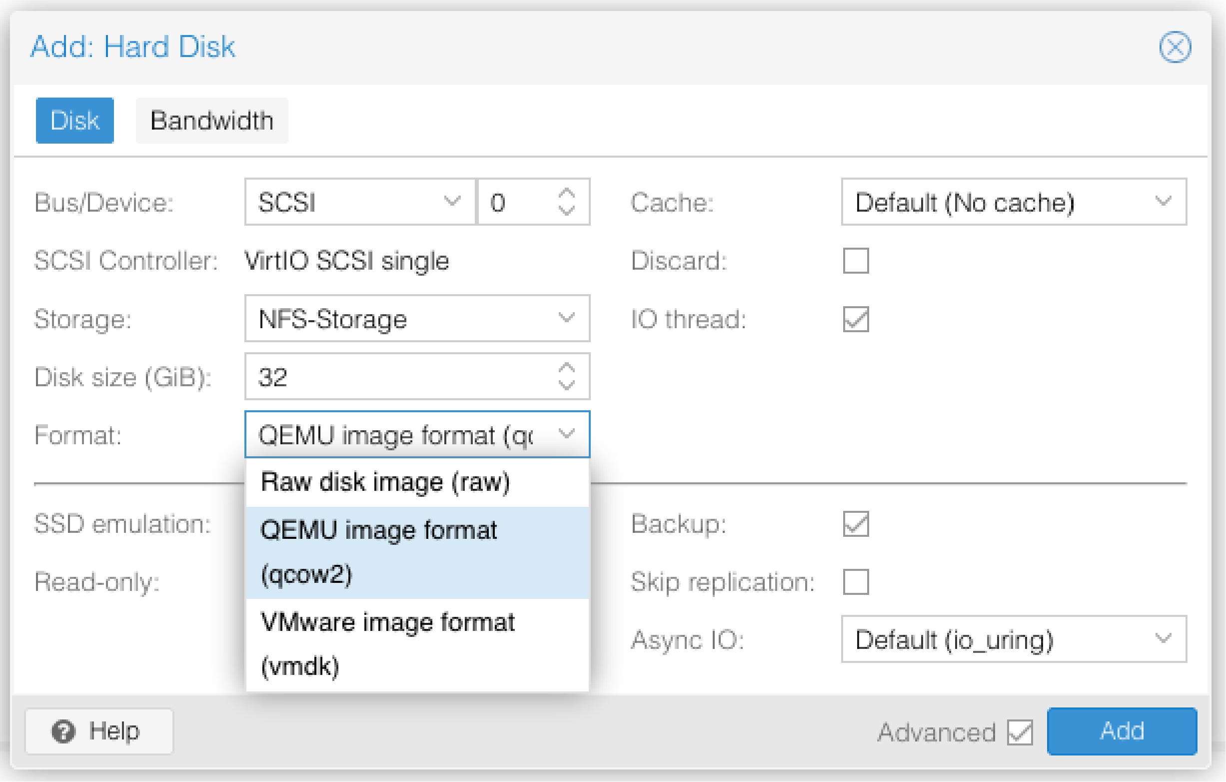
Notes:

1 - Requires cluster filesystem to create the shared folder and use Directory storage type.

2 - use LVM storage type.

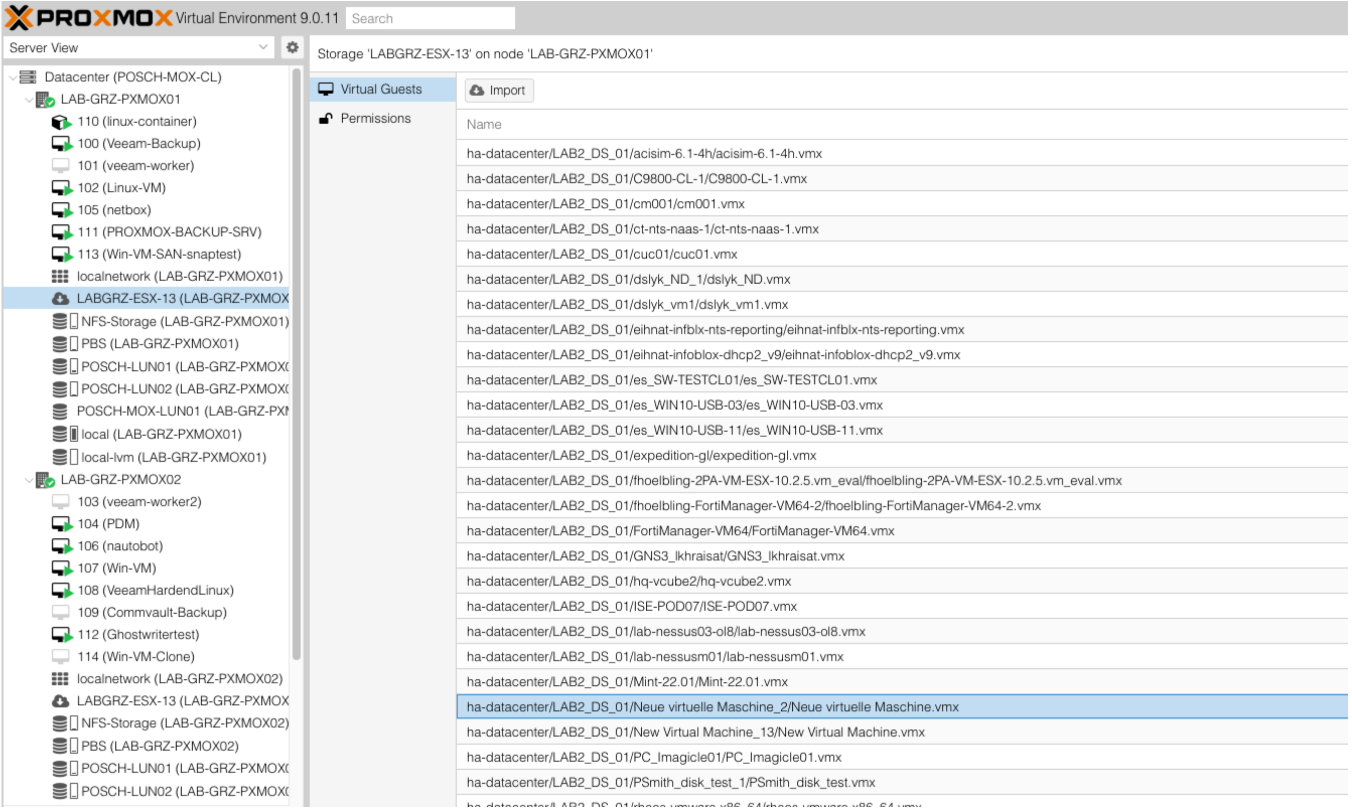
PROXMOX

STORAGE – VM DISK FORMAT (KVM VS VMWARE)



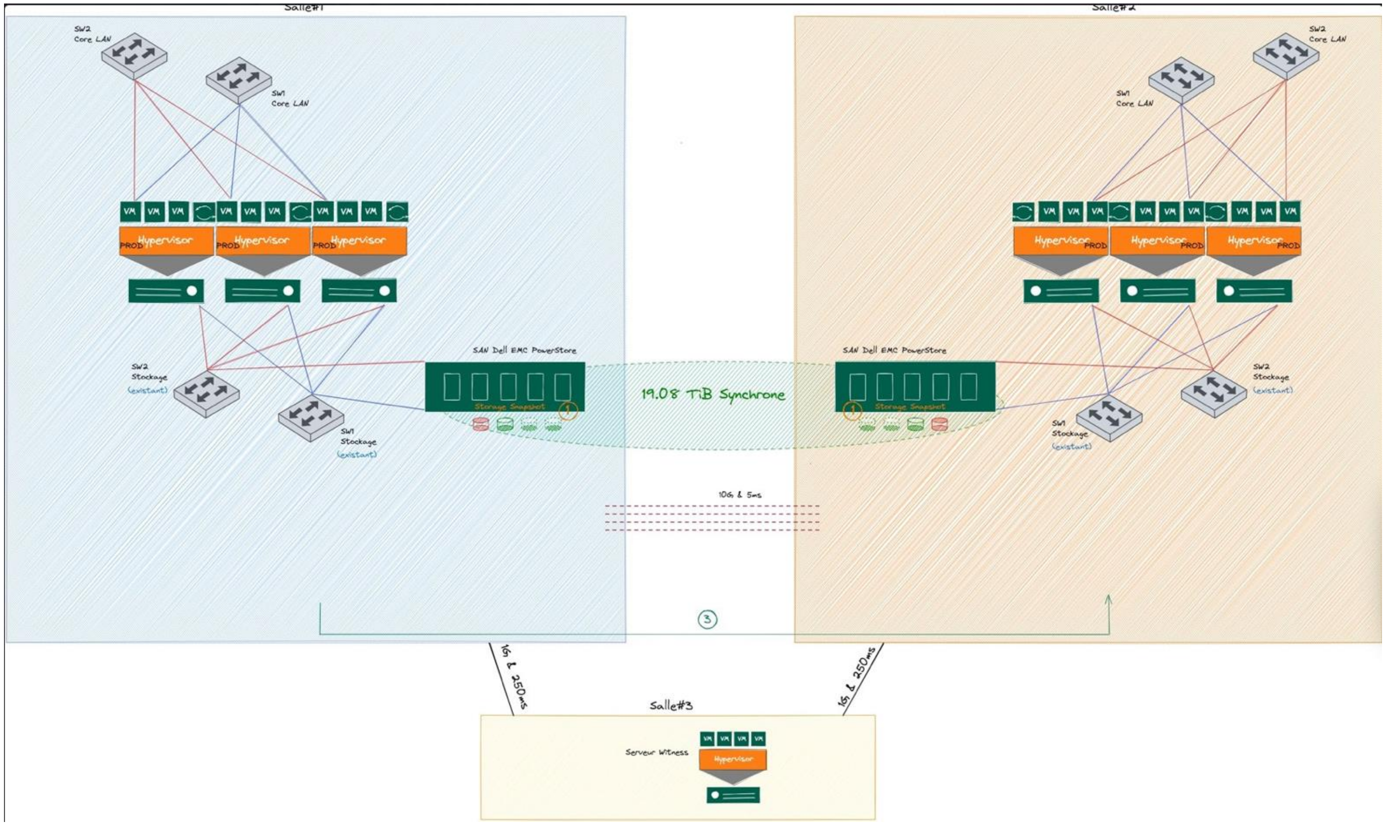
PROXMOX

VMWARE -> PROXMOX IMPORT TOOL



PROXMOX

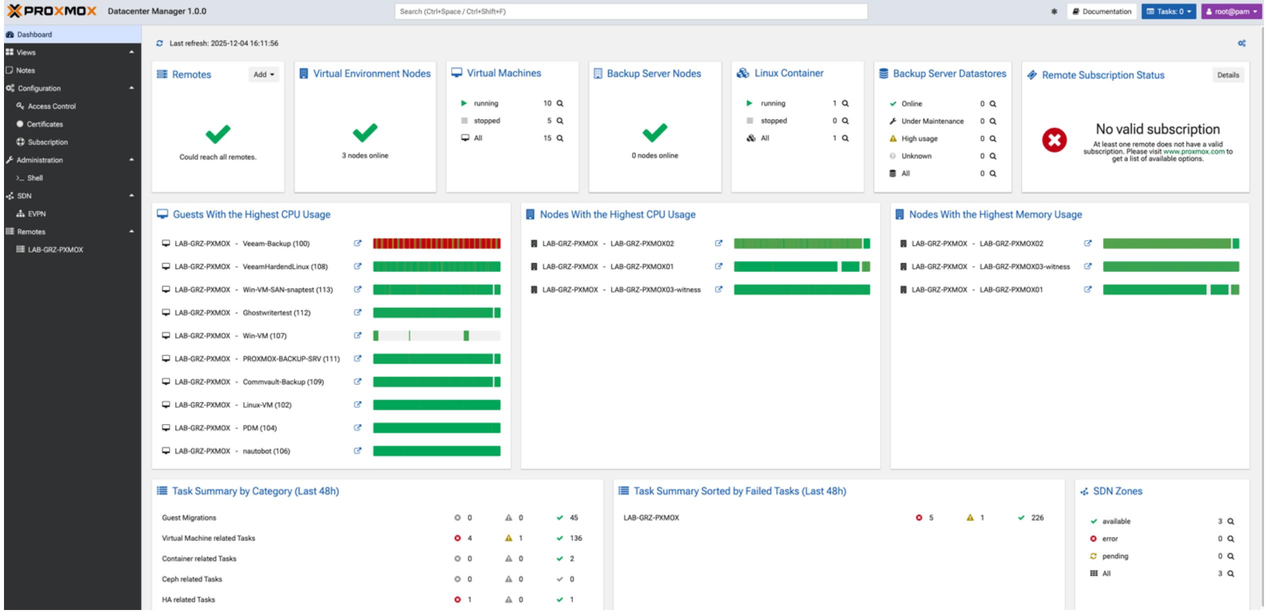
METRODESIGN EXAMPLE WITH PROXMOX



PROXMOX

PROXMOX DATACENTER MANAGER 1.0

- Deployed as virtual machine
- Monitor & Manage multipe Proxmox Cluster (vcenter like)
- Monitor Top Consumer & Nodes Consumption
- Migrate between Proxmox datacenters



PROXMOX

FEATURE MATRIX (VMWARE VS PROXMOX)

Feature	VMware	Proxmox
Clustering	Yes	Yes
HA & Failover	Yes (vSphere HA)	Yes (HA Manager)
DRS / Resource Scheduling	Yes	No Native DRS / via ProxLB
Online vMotion	Yes	Yes
Online Storage vMotion	Yes	Yes
Snapshots	Yes	Yes (PVE 9 adds SAN/LVM support per volume chain)
Container Support	Yes (Tanzu/VKS)	Yes (but only LXC)
Backup Integration	Broad Partner Ecosystem	Fewer, but growing
Licensing	Subscritpion based	Free (optional support licensing – tested Enterprise Repos)

PROXMOX

SUPPORT SUBSCRIPTION PREISE

PREMIUM	STANDARD	BASIC	COMMUNITY
All you'll ever need	Most popular	For growing businesses	Starting out
€ 1060 /year & CPU socket	€ 530 /year & CPU socket	€ 355 /year & CPU socket	€ 115 /year & CPU socket
Buy now	Buy now	Buy now	Buy now
✓ Access to Enterprise repository	✓ Access to Enterprise repository	✓ Access to Enterprise repository	✓ Access to Enterprise repository
✓ Complete feature-set	✓ Complete feature-set	✓ Complete feature-set	✓ Complete feature-set
✓ Support via Customer Portal	✓ Support via Customer Portal	✓ Support via Customer Portal	✓ Community support
✓ Unlimited support tickets	✓ 10 support tickets/year	✓ 3 support tickets/year	
✓ Response time: 2 hours* within a business day	✓ Response time: 4 hours* within a business day	✓ Response time: 1 business day	
✓ Remote support (via SSH)	✓ Remote support (via SSH)		
✓ Offline subscription key activation	✓ Offline subscription key activation		

PROXMOX

FAZIT (PRO/CONS)

Pros:
- Open Source & Free (Additional Support Subscriptions)
- Intuitive Web GUI – Leichte Verwaltung KVM
- Enterprise Features (HA, Live Migration, Backup, Shared Storage,etc)
- No Vendor Lock – digitale Souveränität
- Aktive Community & gute Dokumentation

Cons:
- Seitens Hersteller aktuell nur 5x8 Support EMEA (NTS Best effort)
- Linux Know How notwendig
- Ecosystem: Achtung bei SAP & VDI Support (check apps for KVM support before migration)
- Keine vergleichbaren On-Top-Lösungen (z.B. NSX Mikrosegmentierung)

Weniger geeignet für kritische Umgebungen mit 24x7 Support-Bedarf

Ideal für:
- KMUs
- ROBO - Außenstellen
- LABs (Dev/Test)

ANYTHING ELSE?

HYPER-V

FAZIT (PRO/CONS)

Pros:
- Inkludiert in jeder Windows Server Edition (Standard/Datacenter)
- Ideal für sehr starke Windowslastige Server Umgebungen
- Azure Hybrid Umgebungen
- Schon lange am Markt & bekannt bei Admins

Cons:
- Enterprise Features fehlen (DRS, SDN, usw.)
- Ohne SCVMM ist verteilt aufwändiger
- Linux VM Kompatibilität schwächer als ESX/KVM
- Skalierbarkeit & Performance bei größeren Umgebungen

Weiterentwicklung eher gering > Azure

Ideal für:
- Windows Umgebungen
- KMUs
- ROBO - Außenstellen

NUTANIX

FAZIT (PRO/CONS)

NUTANIX

Pros:

- Sehr ausgereifte HCI-Lösung inkl. Enterprise Support
- Prism: einfache Bedienung & schnelle Bereitstellung
- Acropolis Hypervisor kostenlos dabei (AHV)
- Hohe Performance & Automatisierung
- Perfekte Alternative zu Vmware vSAN

Cons:

- Dedizierte Nutanix Platform (validated Nodes – Vendor Lock)
- Teuer in der Anschaffung
- Ökosystem nicht so groß wie bei Vmware (wachsend)

Ideal für:

- Mittlere und große Unternehmen
- HCI Lösung favorisiert

WEITERE HYPERVISOREN

FAZIT (PRO/CONS)

XEN / XCP-ng

+ Opensource & 24/7 Support
+ Xen Orchestra – sehr gutes Management
– Kleinere Community als Proxmox
– Wenig Integrationen

VIRTOZZO (OPENSTACK/KVM)

+ stark Service Provider orientiert
+ HCI integriert
– noch relativ unbekannt
– Weniger Integrationen

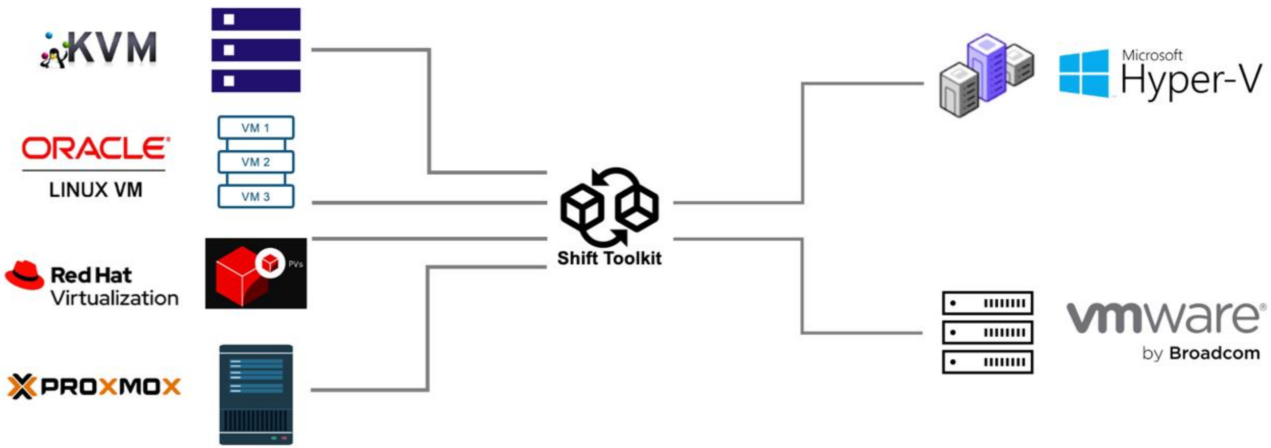
MIGRATION
ABER WIE?

NETAPP - SHIFT

NETAPP SHIFT TOOLKIT

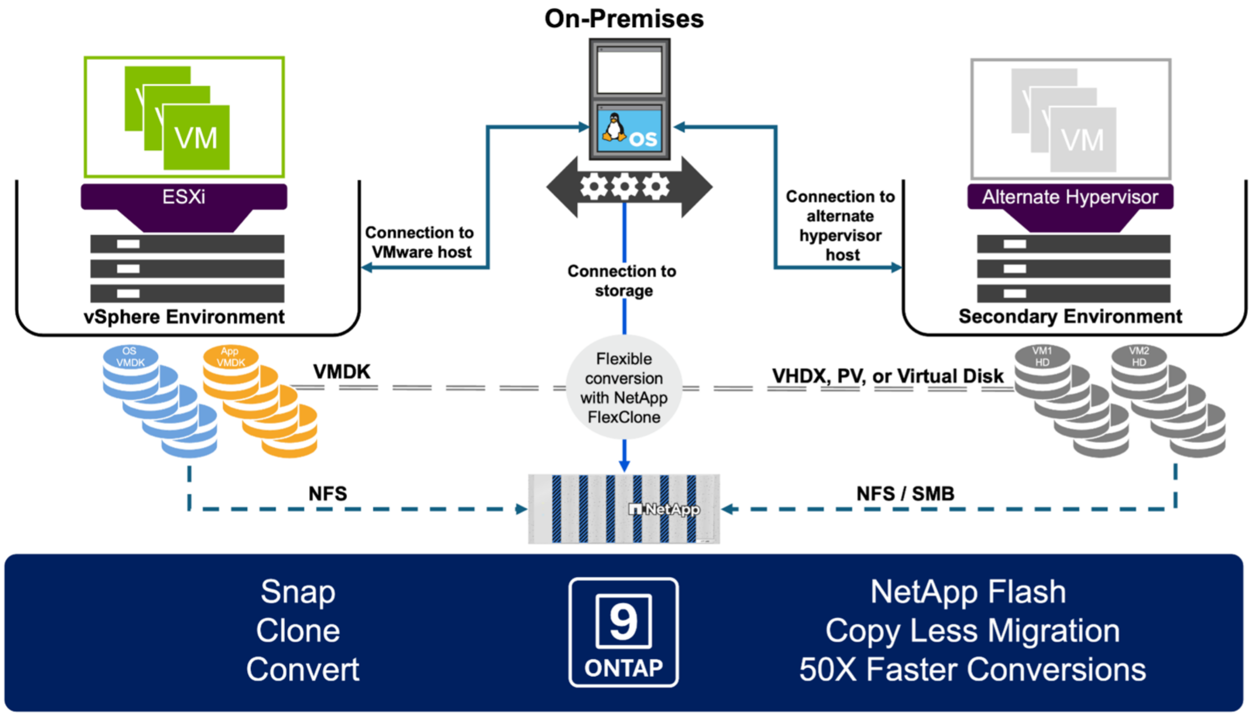
Summarizing Conversion Options

True VM mobility with orchestration for migrating VMs between hypervisors



Note: VMs to be migrated / converted must leverage NetApp NAS storage
Note: Shift Toolkit supports Hyper-V E-2-E migration
Note: Shift Toolkit supports virtual disk (QCOW2) conversion for KVM

NETAPP SHIFT TOOLKIT



WIE KANN NTS UNTERSTÜTZEN?

SUPER PARTNER	SUPER SERVICES
vmware by Broadcom Red Hat PROXMOX Microsoft Hyper-V …	DESIGN & IMPLEMENTATION

SUPER PARTNER	SUPER SERVICES
vmware by Broadcom Red Hat PROXMOX Microsoft Hyper-V ...	DESIGN & IMPLEMENTATION NTS SUPPORT

SUPER PARTNER	SUPER SERVICES
vmware by Broadcom	DESIGN & IMPLEMENTATION
Red Hat	NTS SUPPORT
PROXMOX	MANAGED SERVICE
Microsoft Hyper-V	
…	

SUPER PARTNER	SUPER SERVICES
vmware by Broadcom	DESIGN & IMPLEMENTATION
Red Hat	NTS SUPPORT
PROXMOX	MANAGED SERVICE
Microsoft Hyper-V	AS A SERVICE
…	

SUPER PARTNER

vmware by Broadcom

Red Hat

PROXMOX

Microsoft Hyper-V

...

SUPER SERVICES

DESIGN & IMPLEMENTATION

NTS SUPPORT

MANAGED SERVICE

AS A SERVICE

NTS STRATEGIE
1 - 2 - 3

1. **Optimieren** - VMware by Broadcom
2. **Transformieren** - Red Hat OpenShift
3. **Migrieren** - Alternativen - Proxmox

RELAX,
WE CARE