

Start um 10:00 Uhr

VMware VMworld 2020

News aus der Welt von VMware

Jens-Peter Henkies Jens-Peter.Henkies@techdata.com

Technical Presales, Consultant, Trainer bei Tech Data GmbH & Co OHG

VMware Neuigkeiten rund um die VMworld 2020

- ▶ Workstation / Fusion
- ▶ VMware vSphere Neuerungen vSphere 7U1
- ▶ VMware vSAN Neuerungen vSAN 7U1
- ▶ VMware Project Monterey -> SmartNICs
- ▶ VMware Horizon 8
- ▶ VMware Tanzu und vSphere
- ▶ VMware SD-WAN by VeloCloud
- ▶ Workspace ONE
- ▶ VMware Carbon Black

Cloud Services

VMware Cloud on AWS	VMware Cloud on Dell EMC	vRealize Suite	VMware vRealize Automation Cloud	VMware SD-WAN by VeloCloud	VMware Tanzu Portfolio	VMware Tanzu Kubernetes Grid	Horizon Cloud	VMware Cloud Providers
VMware Cloud on AWS Outposts	VMware Cloud Director service	vRealize Cloud Management	VMware vRealize Network Insight Cloud	VMware Secure State	VMware Tanzu Application Service	VMware Tanzu Service Mesh	Workspace ONE	AppDefense
Amazon RDS on VMware	VMware Cloud Foundation	VMware vRealize Log Insight Cloud	CloudHealth	NSX Cloud	VMware Tanzu Application Catalog	VMware Tanzu Observability by Wavefront	Horizon 7 on VMware Cloud on AWS	VMware Site Recovery
VMware Cloud on AWS GovCloud	VMware Cloud Marketplace	VMware vRealize Operations Cloud	VMware Learning Platform	VMware HCX	VMware Tanzu Mission Control	Horizon Cloud on Microsoft Azure	Azure Spring Cloud	Datrum DRaaS

Security

Secure State	AppDefense	NSX IPS/IDS	NSX Intelligence
Carbon Black EDR	CBC Hosted EDR	CB Inspection	Octarine
CBC Enterprise EDR	CBC Managed Detection	CBC App Control	Lastline
CBC Endpoints	CB Workspace Security	CB Audit and Remediation	Advanced Security for Cloud Foundation

NFV

vCloud NFV	VMware Smart Assurance	VID Carrier Edition
Telco Cloud Automation	UHANA	Telco Cloud Ready

VCPP

VMware Cloud Director	vCloud Availability	Cloud Provider Hub
Cloud Provider Pod	VMware Cloud Marketplace	Bitnami Community Catalog (BCC)
DaaS	Tenant App	CSE
		OSE
		UM

Tanzu

Tanzu Portfolio	Tanzu App Service	Tanzu Build Service	Tanzu Application Catalog	Data Services	Pivotal GemFire	VMware RabbitMQ
MySQL for Tanzu	VMware Postgres	Install Builder	Tanzu Kubernetes Grid	TKGI	Tanzu Mission Control	Tanzu Observability
Tanzu Service Mesh	Pivotal Labs	Spring	Spring Runtime	Concourse for VMware Tanzu	API Hub	Spring Cloud Gateway
Greenplum	Redis for Tanzu	Ops Manager	Tracker Enterprise	Spring Cloud Data Flow for Kubernetes	vSphere 7 with K8s	

CMP

vRealize Suite	vRealize Automation	vRealize AI
vRealize Orchestrator	vRealize Code Stream	vRealize Operation
vRealize Network Insight	vRealize Log Insight	vRealize True Visibility Suite
		vRealize Lifecycle Manager

End-User Computing

Workspace ONE	Horizon Suite
Workspace ONE UEM	Horizon
Workspace ONE Access	Horizon Apps
WS1 Assist	Remote Help
	ThinApp
WS1 Intelligence	NSX for Horizon
WS1 Intelligence for Consumer Apps	Horizon 7 on VMware Cloud on AWS
Trust Network partners	vSAN for Horizon
Productivity Apps	App Volumes
WS1 Intelligent Hub	WS1 Verify
	Dynamic Environment Manager
WS1 Boxer	WS1 Content
	vROPs for Horizon
	ControlUp
WS1 Smartfolio	WS1 Web
	Workstation Pro
WS1 Notebook	WS1 PIV-D Manager
	Workstation Player
WS1 Send	WS1 Campus
	Fusion Pro

Open Source

Steeltoe Initializr	Tanzu Toolkit for Kubernetes
Cloud Service Broker	Spring Cloud Data Flow for Kubernetes
TGIK	Photon OS
Tem	LIOTA
Chap	Gimbal
Lightwave	Clarity
vASDKs	Contour
Velero	Sonobuoy
octant	VMware Blockchain
Hamlet	Weathervane
Admiral	Cluster API
Harbor	

Emerging

Project antrea
Project Path
Horizon Services for Multi-Cloud
VMware Cluster Memory (vCM)
Project Pathway
Virtual Service Network VSN
SmartNIC Virtualization
ESXi on ARM
Project VXR
Milky Way
VMware Flings

Virtualization

vSphere	vCenter Server	vSAN	NSX DataCenter	HCX	NSX Adv Load Balancer (Avi Networks)	VMware SD-WAN by VeloCloud	AppDefense Plugin
VMware Cloud Foundation	vSphere 7 Bitfusion	SDDC Manager	vCenter Converter	vCloud Suite	vSphere Replication	Site Recovery Manager	Dell EMC VxRail

VMware Workstation 16 und Fusion 12

Lokale Virtualisierungslösung für Windows, Linux und MAC

Nutzbar als Player oder PRO Edition

Lizenzportabilität zwischen Windows / Linux / MAC



WORKSTATION UND FUSION FEATURES

 <p>NEU Windows DirectX 11- Spiele und -Apps</p>	 <p>NEU OCI-Contain. m. vctl ausfüh./erstellen/ übertr./abrufen</p>	 <p>NEU Kubernetes- Umgebungen auf Desktops bereitstellen</p>	 <p>NEU Höherer VM-Umfang: 32 vCPUs, 128 GB RAM, 8 GB VRAM</p>	<p>Persönliche Lizenz auf maximal 3 Geräten Unternehmenslizenz auf 1 Gerät</p>	 <p>NEU vSphere 7- Unterstützung für lokale Bereitstellungen und Remote-Verb.</p>
 <p>NEU Performance- Verbesserungen bei VM-Betrieb und Dateiübertragung</p>	 <p>NEU Sicherheitsverbesseru- ngen: vGPU- Rendering-Engine in einer isolierten Sandbox</p>	 <p>Nur im Pro Anpassung virtueller Netzwerke</p>	 <p>Nur im PRO Verbindung zu vSphere/ESXi Server</p>	 <p>Nur im PRO Erstellen von Linked Clones</p>	 <p>Nur im PRO Verschlüsseln von VMs</p>

Neuerungen vSphere 7U1

vSphere 7 U1 GA 6. Oktober 2020

▶ VM Maximum V7 : 6TB RAM, 256 CPUs

-> V7U1 HW18 24TB RAM, 768CPUs



vSphere Scalability

Scale your resources without compromise

Compute Resource	vSphere 7	vSphere 7 Update 1
vCPU per VM	256	768
Memory per VM	6 TB	24 TB
CPU per host	768	768
Memory per host	16 TB	24 TB
Hosts per cluster	64	96
VMs per cluster	6400	10000
Fault Tolerance VMs per host	4	4
Fault Tolerance vCPU per host	8	8

VM Hardware **Version 18** is required for:

- > 256+ vCPUs per VM
- > 6+ TB of memory per VM
- > AMD SEV-ES
- > EVC for Graphics
- > PVRDMA Native Endpoint



Editionen vSphere 7 U1

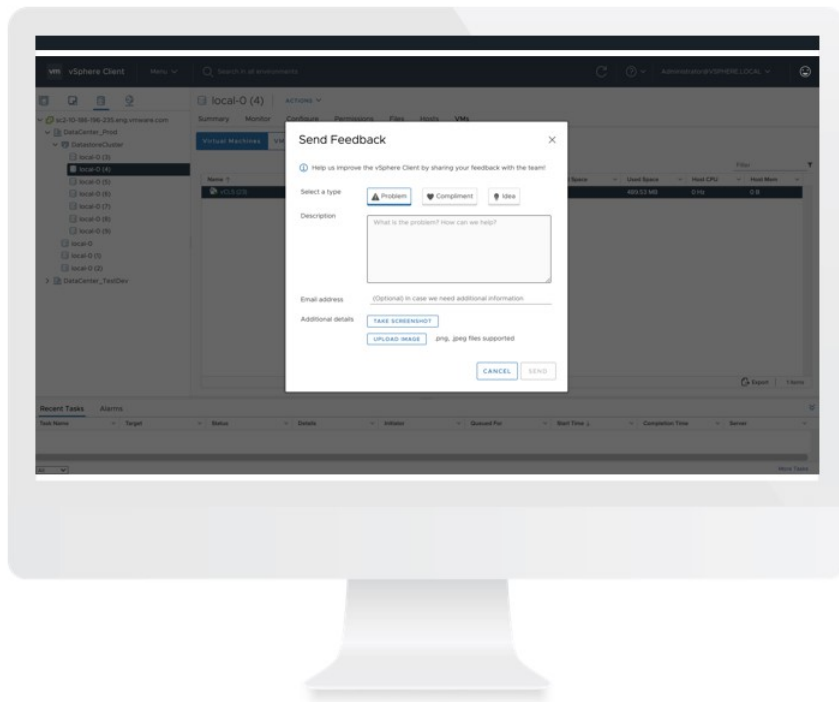
- ▶ Standard und Enterprise Plus
- ▶ vCenter Standard und vCenter Foundation
- ▶ Robo Lizenzierung (25 VMs)
- ▶ Acceleration Kits Standard und Enterprise Plus

- ▶ vSphere Essentials und Essentials Plus Kit

- ▶ 32 Core pro CPU seit 2. April 2020

vSphere Ideas

- ▶ Customers can submit feature requests right from the vSphere Client UI



Share Your Ideas and Define the Future of vSphere vSphere Ideas Portal

Directly share concerns, praise, and ideas for improving vSphere

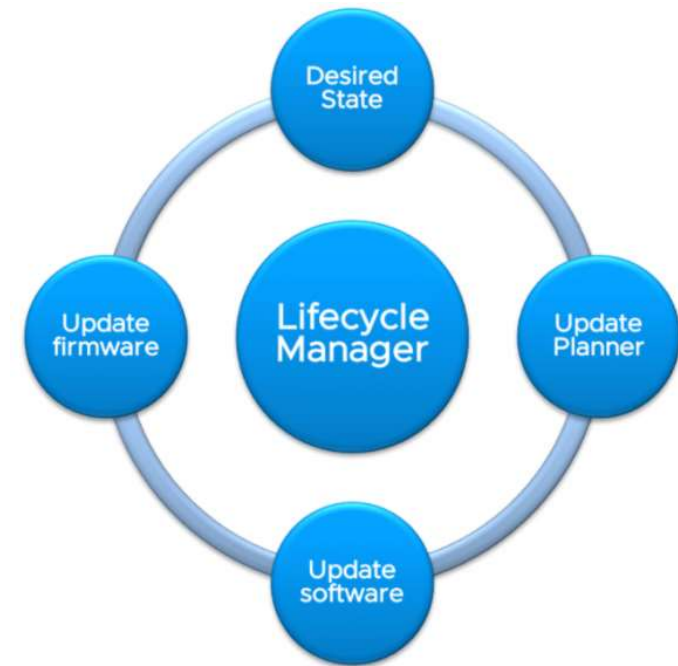
Can be found by clicking the vSphere Client's "Smiley" icon: 😊

Registered accounts will be able to publish feature requests

A close-up view of the 'Send Feedback' dialog box. It features a title bar with 'Send Feedback' and a close button. The main content includes a message: 'Help us improve the vSphere Client by sharing your feedback with the team!'. Below this are three buttons for 'Select a type': 'Problem' (with a warning icon), 'Compliment' (with a heart icon), and 'Idea' (with a lightbulb icon). A text area for 'Description' contains the prompt 'What is the problem? How can we help?'. Below that is an 'Email address' field with the note '(Optional) In case we need additional information.'. Under 'Additional details', there are two buttons: 'TAKE SCREENSHOT' and 'UPLOAD IMAGE' (with the note '.png, .jpeg files supported'). At the bottom of the dialog are 'CANCEL' and 'SEND' buttons.

vSphere Lifecycle Manager

▶ vSphere Lifecycle Manager (vLCM) was introduced in vSphere 7, and is now enhanced beyond offering LCM for just vSphere and vSAN hosts, extending to include installation and configuration of NSX-T. In vSphere 7 Update 1, vLCM will also monitor for desired image compliance continuously and enable simple remediation in the event of any compliance.



Declarative
ESXi Cluster
Lifecycle

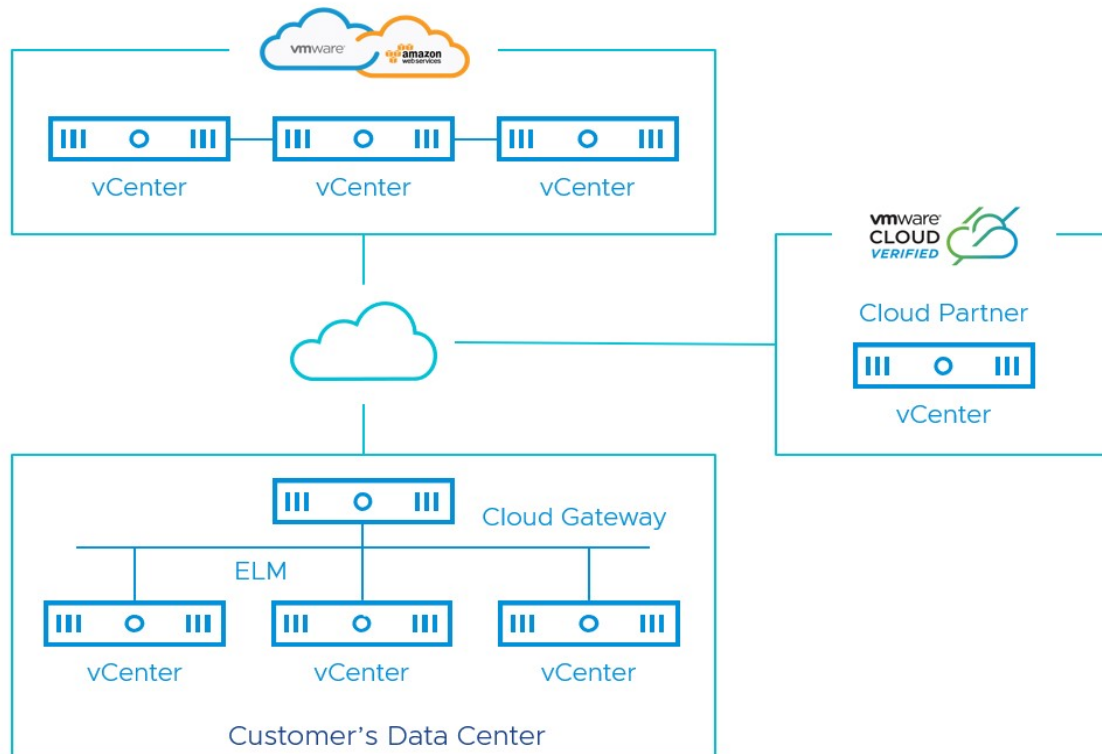
Full Stack
Firmware
Updates

Simplified
OEM
Customization

Cluster
QuickStart
Workflow

Automatic
Checks

vCenter Connect



- ▶ Customers can manage their VMware Cloud on AWS or other Cloud partner offered vCenter with their on-premises vCenters in a single interface with any to any vCenter Connect capability

EVC for Graphics

EVC For Graphics

Graphics-enabled VMs can now consume a consistent set of features seamlessly across varied hardware.

Supports vMotion! Comprehensive compatibility checks ensure feature requirements are met.

Initial support for a single graphics mode called "baseline," corresponding to Direct3D 10.1 & OpenGL 3.3 specifications.

Accessing EVC For Graphics

Graphics Mode (vSGA) can be accessed from the "Change EVC Mode" settings option.

Available at the cluster & per-VM level.

vSGA = Virtual Shared Graphics Acceleration

Change EVC Mode | vSAN-Cluster

Select EVC Mode

Disable EVC Enable EVC for AMD Hosts Enable EVC for Intel® Hosts

CPU Mode: Intel® Merom® Generation

Graphics Mode (vSGA): Baseline Graphics

Description

CPU Mode
Applies the baseline feature set of Intel® Merom® Generation (Xeon® Core™2) processors to all hosts in the cluster.

Hosts with the following processor types will be permitted to enter the cluster:

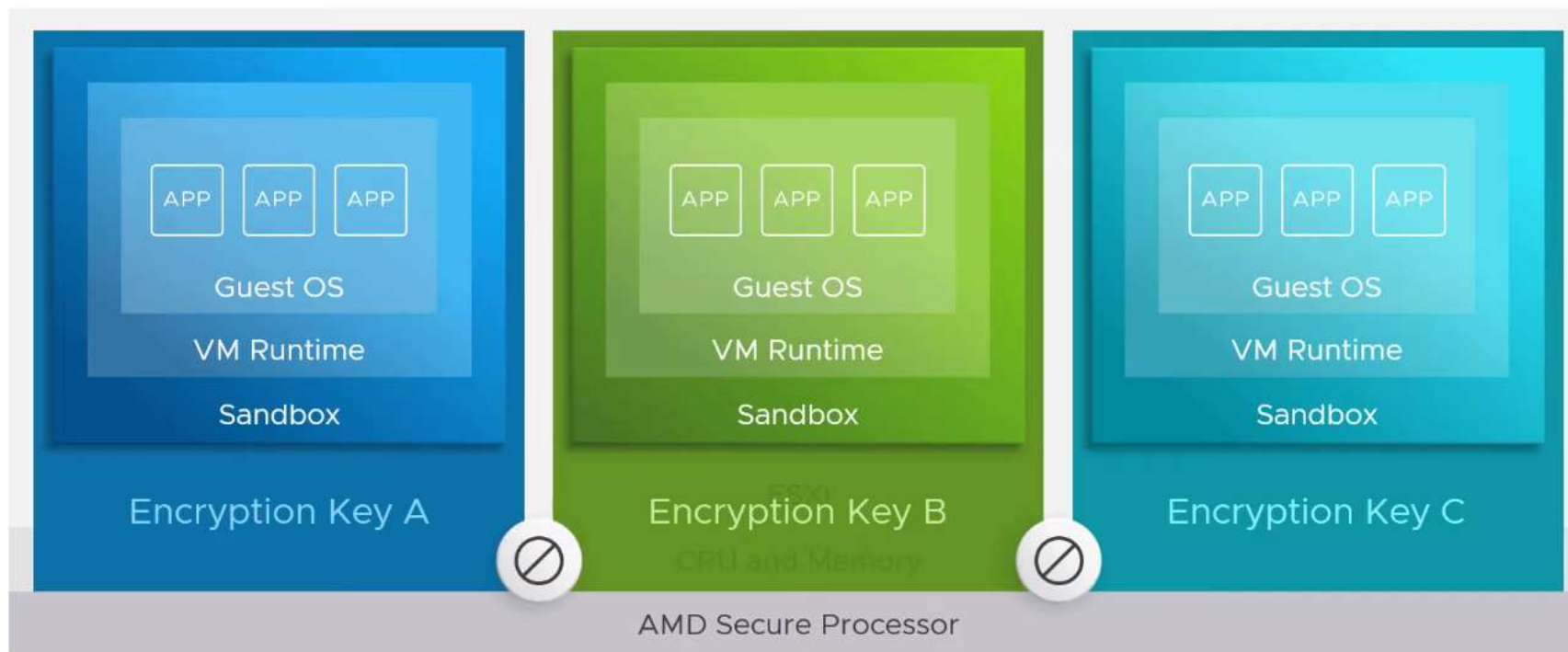
- Intel® Merom® Generation (Xeon® Core™2)
- Intel® Penryn® Generation (Xeon® 45nm Core™2)
- Intel® Nehalem® Generation (Xeon® Core™ i7)
- Intel® Westmere® Generation (Xeon® 32nm Core™ i7)
- Intel® Sandy Bridge® Generation
- Intel® Ivy Bridge® Generation
- Intel® Haswell® Generation
- Intel® Broadwell® Generation
- Intel® Skylake® Generation
- Future Intel® processors

For more information, see Knowledge Base article 1003212.

Graphics Mode (vSGA)
Applies the baseline feature set for graphics that includes features through D3D 10.1/OpenGL 3.3. This is compatible with the features provided by ESXi 7.0 (and earlier).

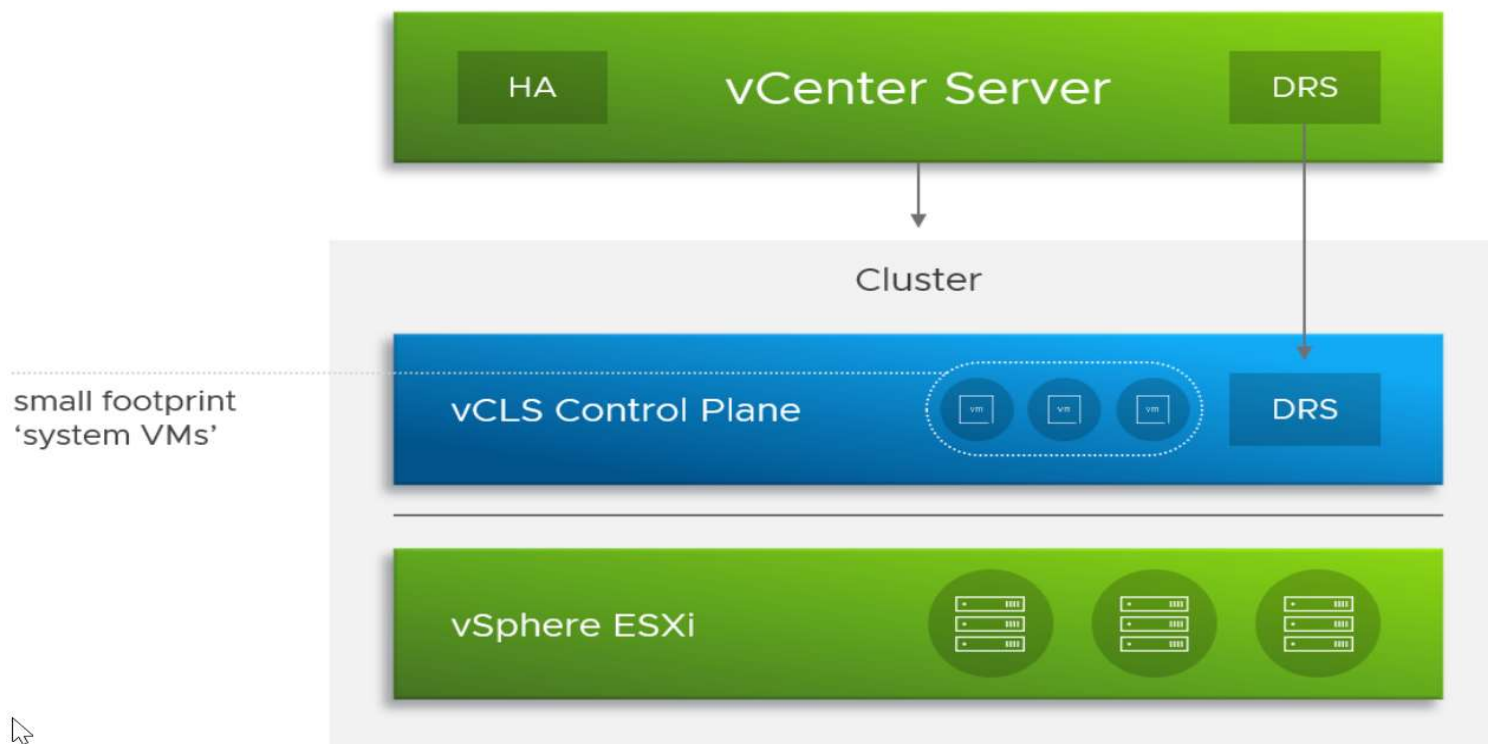
AMD SEV-ES

vSphere Isolation Protects Workloads From Each Other
ESXi Defense-in-Depth & Least Privilege, enhanced with SEV-ES



SEV-ES stands for Memory encryption + encrypted register state.

vSphere Clustering Service (vCLS)



small footprint
'system VMs'

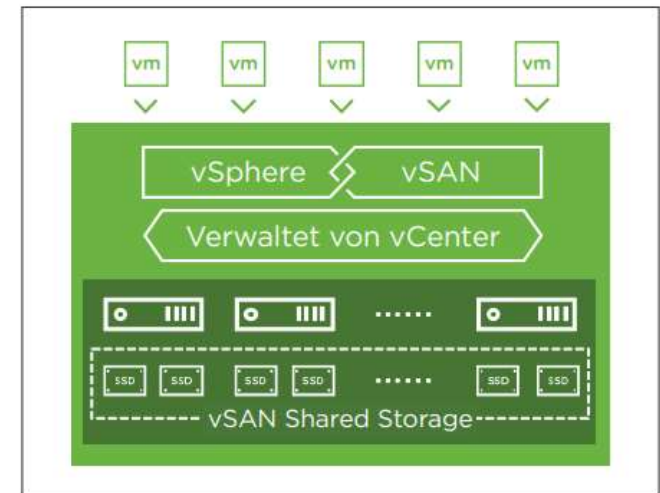
decoupled and
distributed control
plane for clustering
services in vSphere



Neuerungen vSAN 7 U1

Was ist VMware vSAN ?

- ▶ Hyperconverged Storage Lösung nativ in VMware vSphere integriert
- ▶ VM-orientiertes, richtlinienbasiertes Management
- ▶ Management über eine zentrale Oberfläche
- ▶ Flash-optimiert
- ▶ Stretched Cluster mit lokalem Schutz
- ▶ 2-Knoten-Direct Connect
- ▶ Integrierte Fehlertoleranz und erweiterte Verfügbarkeit



Boost Efficiency with vSAN 7 Update 1



Deliver Developer Ready Infrastructure

vSAN DP platform
vSAN Direct Configuration
VMware Tanzu



Scale Without Compromise

HCI Mesh
Compression-only
Increased usable capacity
Capacity reservations
Shared witness



Simplify Operations

Durability during maintenance
Fast host restarts
vLCM support for Lenovo
Data-in-Transit Encryption

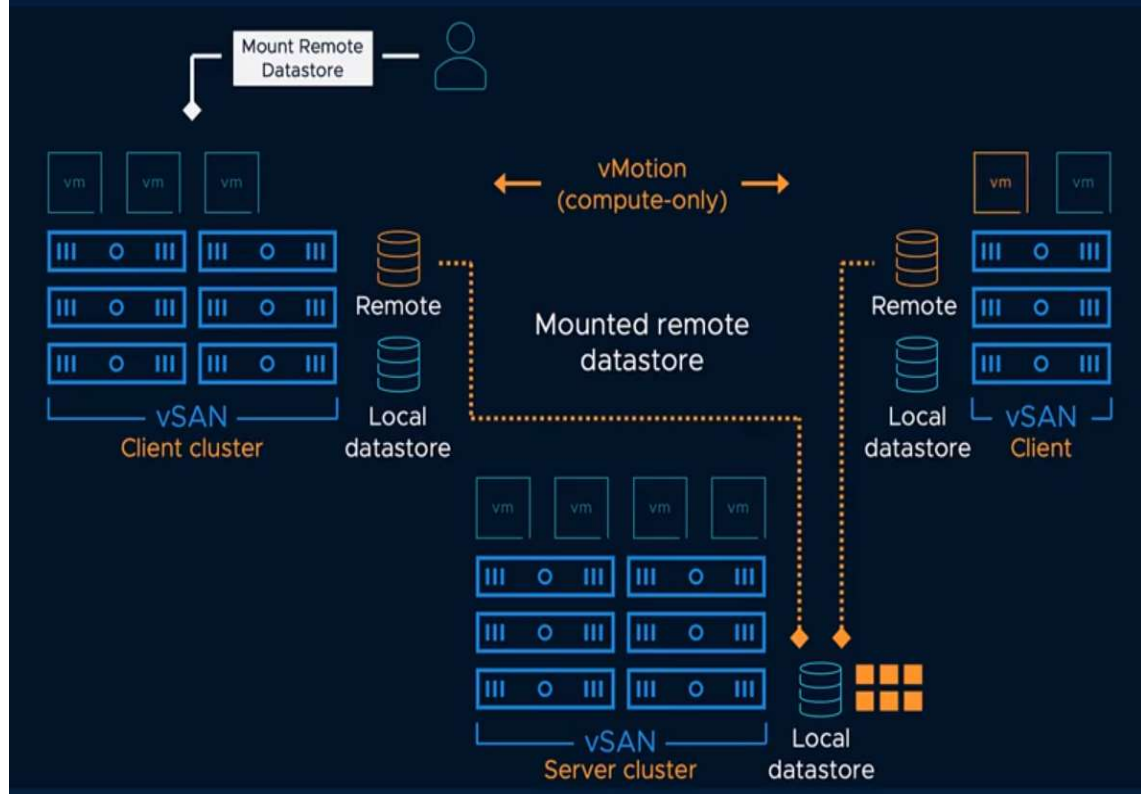


Extend File Services

Support for SMB
Active Directory & Kerberos Integration
Scalability enhancements

Efficient Consumption of Storage Across vSAN Clusters

Software-based disaggregated hyperconverged using VMware HCI Mesh™



Use **capacity across independent vSAN clusters**

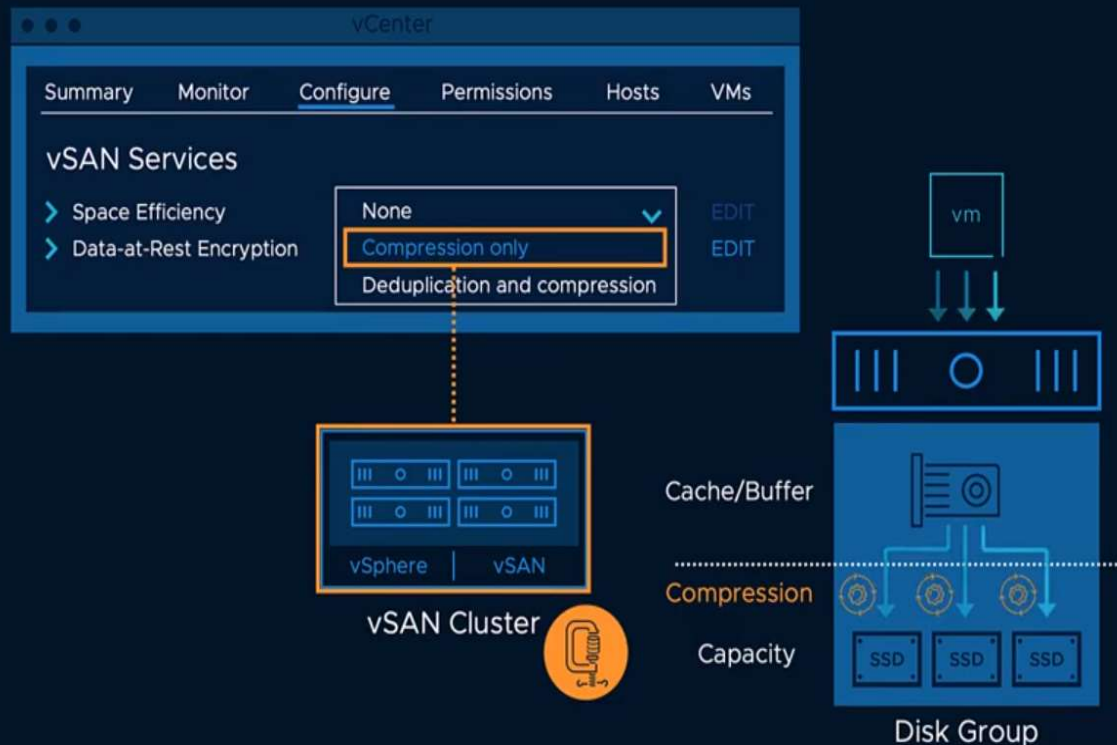
Separate compute from storage for flexible provisioning

Uses **vSAN's native protocol** for efficiency and simplicity

Compliments vSAN's storage model by adding **flexibility**

Flexible Space Efficiency with Minimal Overhead

Compression-only space efficiency option



Ideal for **demanding workloads** unable to take advantage of deduplication

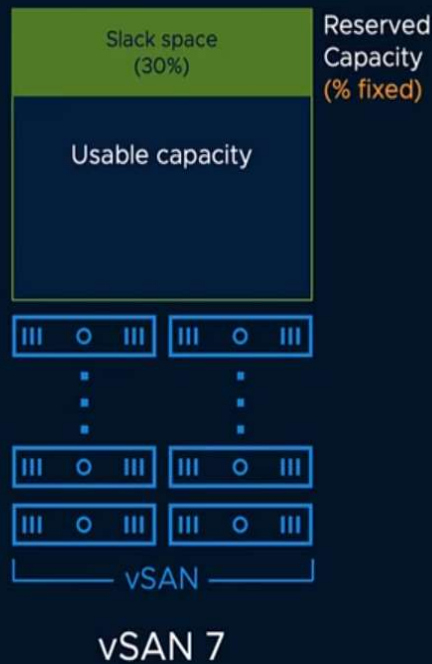
Parallel destaging logic per capacity device for **higher throughput**

Reduce failure domain in the event of disk failure

Improved scaling of disk groups

Increased Effective Capacity through Improved Efficiency

More usable capacity with internal vSAN optimizations



Reduces the recommended reserved free capacity for vSAN

Reserved Capacity based on deployment variables

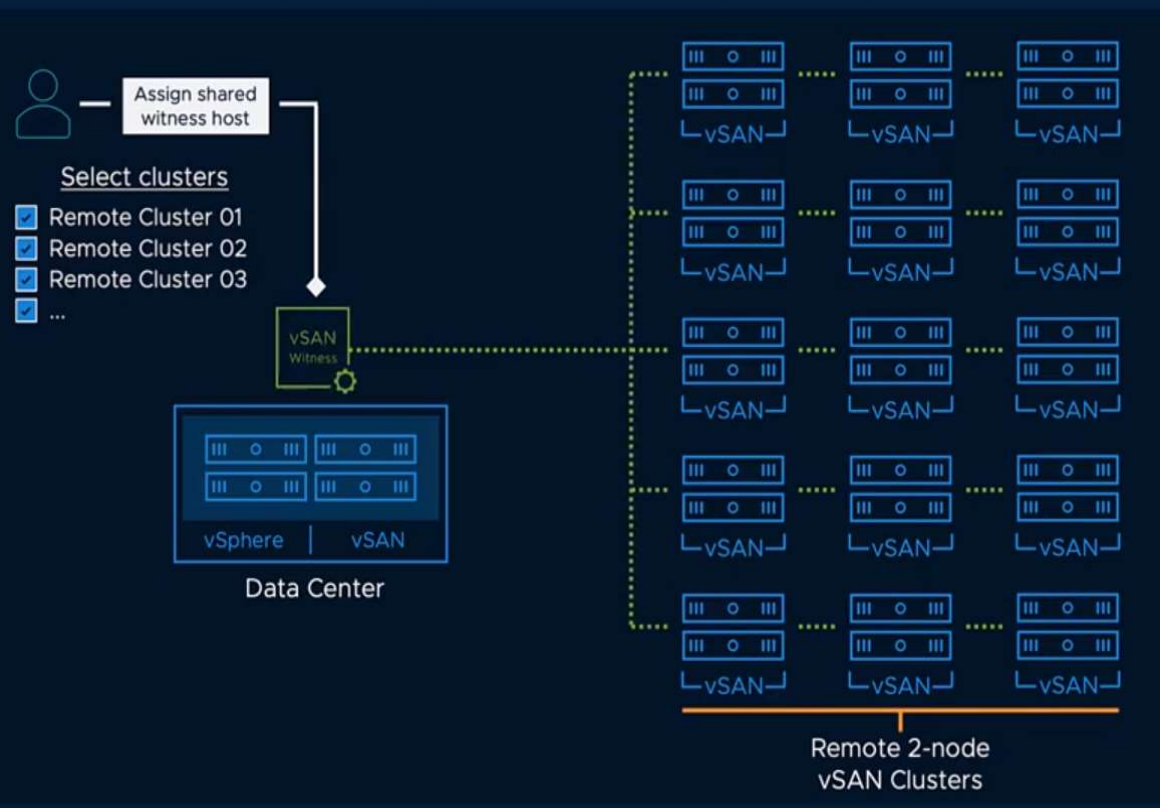
- 12 node cluster = ~18%
- 24 node cluster = ~14%
- 48 node cluster = ~12%

Reserved Capacity includes

- Host Rebuild Reserve (failures)
- Operations Reserve (operational tasks)

Improved Efficiency through Witness Host Consolidation

Shared Witness for 2-Node vSAN Deployments



Share a witness host appliance across multiple 2-Node vSAN clusters

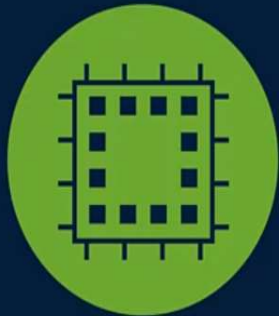
Up to 64 2-Node clusters per shared witness

New UI to manage witness host appliance to cluster relationships

Reduce operational and technical overhead

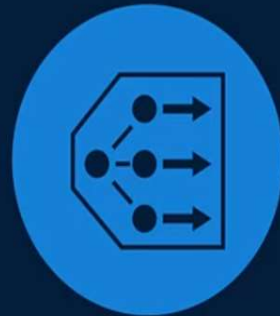
Up to 30% Improvement in Performance from vSAN 6.7 U3

Key enhancements that increase performance in vSAN 7 and vSAN 7 U1



CPU Optimizations

Improved CPU efficiency
relieves scheduler
contention



Improved Parallelization

Component manager scaling
DD&C – separate DD&C
engine from elevator
Compression only – multiple
elevators



Faster Resync Operations

Delta writes accelerate
exiting maintenance mode
Improved sequential write
throughput

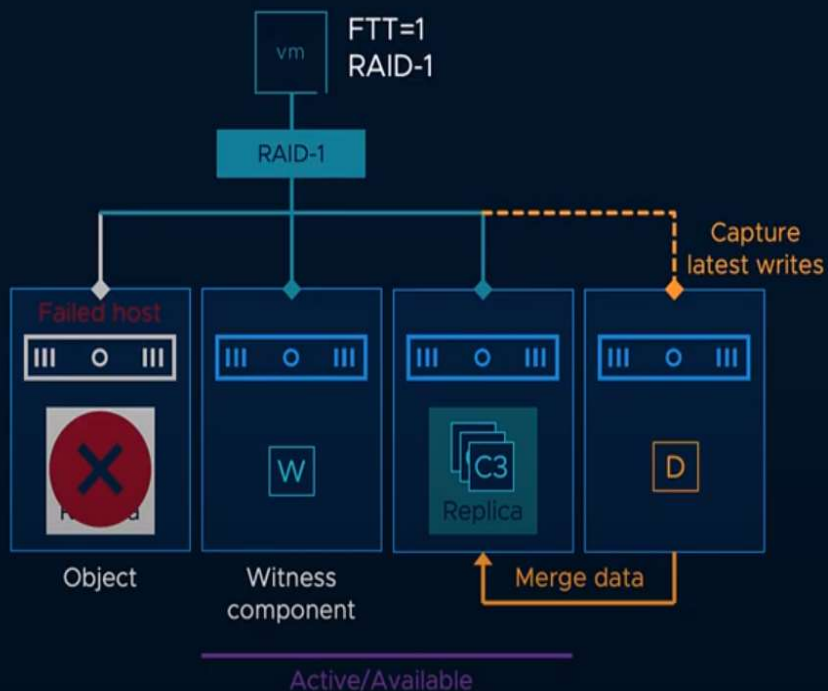


Network Enhancements

Multiple receive threads
reduce network contention
Benefits configs using multiple
disk groups, and RAID-5/6

Enhanced Durability During Maintenance Mode Scenarios

Durability of changed data during maintenance operations



Maintains latest data redundantly in the event of an unplanned outage during planned maintenance

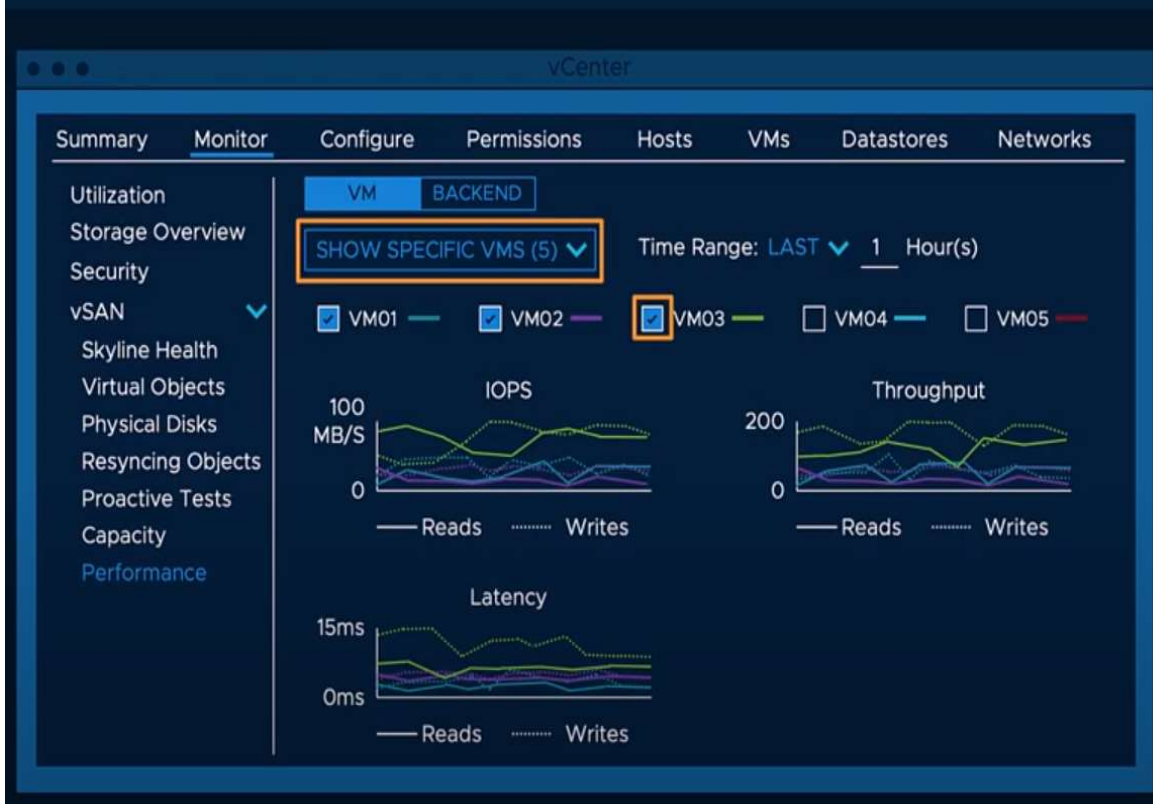
Latest writes committed to additional host

Latest writes quickly applied to stale components on host exiting out of maintenance mode

Used with “Ensure Accessibility” option in EMM

Fast and Efficient Comparison of VM Performance Data

Consolidated I/O Performance view for all VMs in Cluster



View performance information from **multiple VMs in single location**

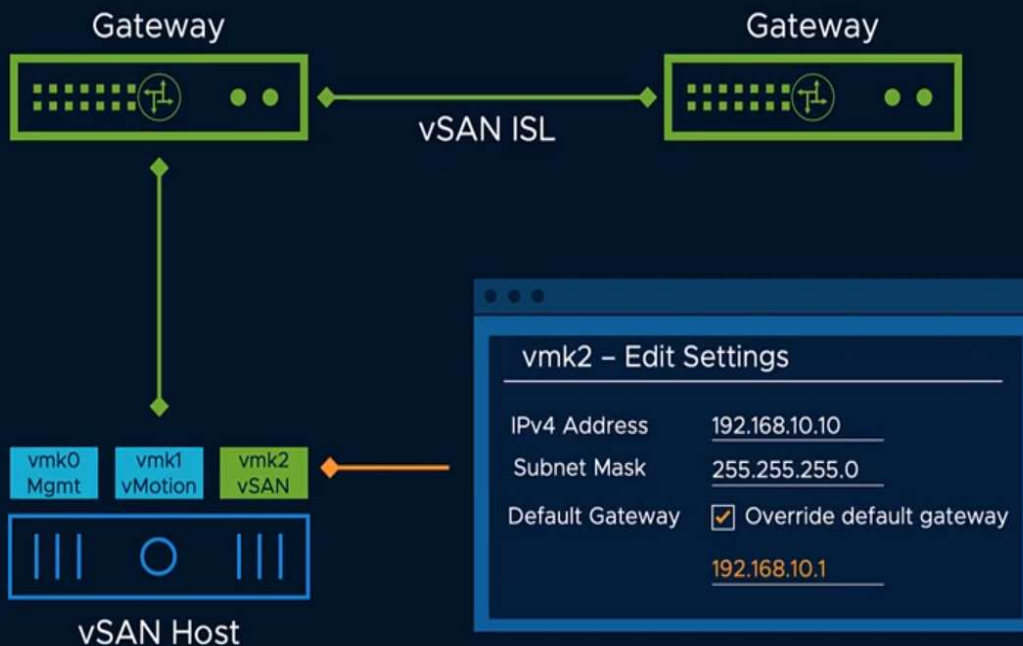
Simplifies VM performance comparisons

Overlap performance metrics of multiple VMs for:

- IOPS
- Throughput
- Latency
- Congestions
- Outstanding I/O

Simplified Configuration with Routed vSAN Topologies

Overriding default gateway with stretched cluster and 2-node configurations



Easily override **default gateway** used by vSAN hosts

Simplifies deployments

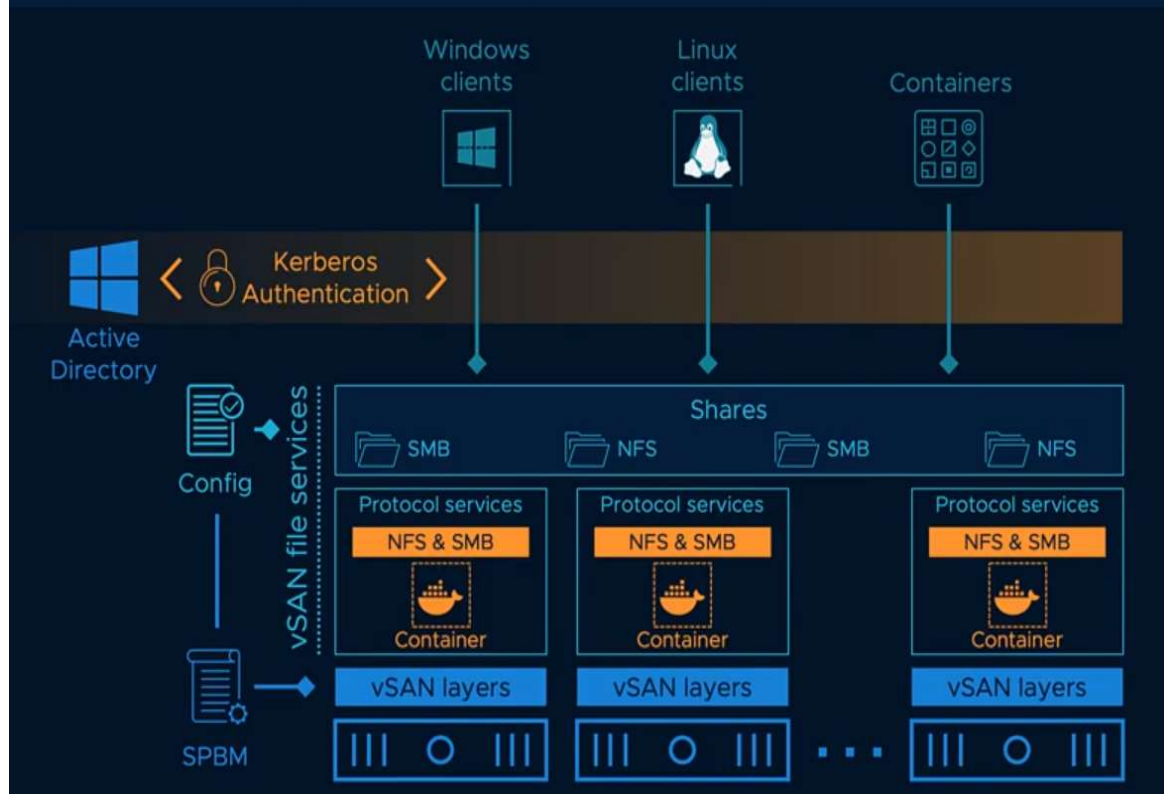
- Routed topologies
- Greenfield builds
- Cluster transitions

Quickly **identify and correct** misconfigurations

- Improved visibility of current setting
- Easy modification
- Eliminate configuration via CLI

Additional Use Cases and Support using vSAN File Services

File Services enhancements



All **new support** for:

- SMB v2.1 and v3
- Kerberos for NFS
- Active Directory for SMB

Scalability Improvements

- Up to 32 hosts per cluster contribute to processing of file services

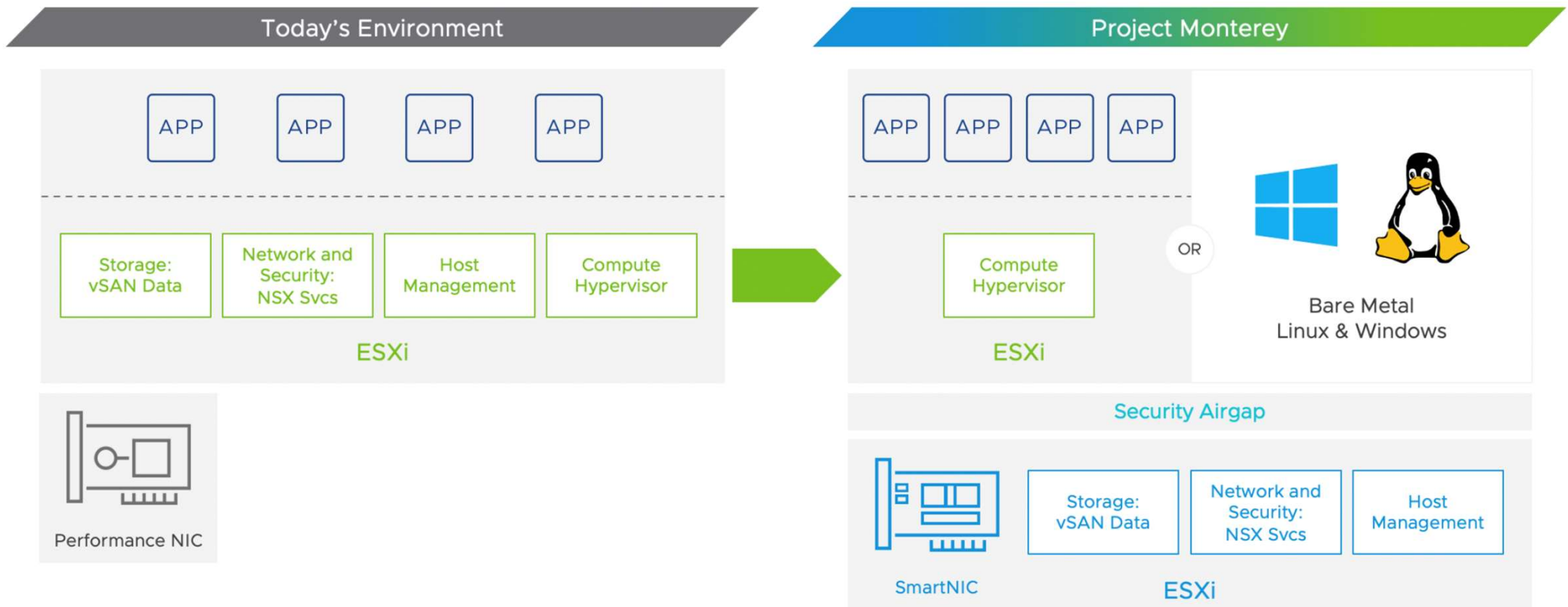
Health checks & capacity views accommodate new features

Project Monterey -> SmartNICs

„jedem Rechenzentrum“ eine „bahnbrechende Netzwerk-, Speicher- und Sicherheitsleistung“ zuteilwerden lassen

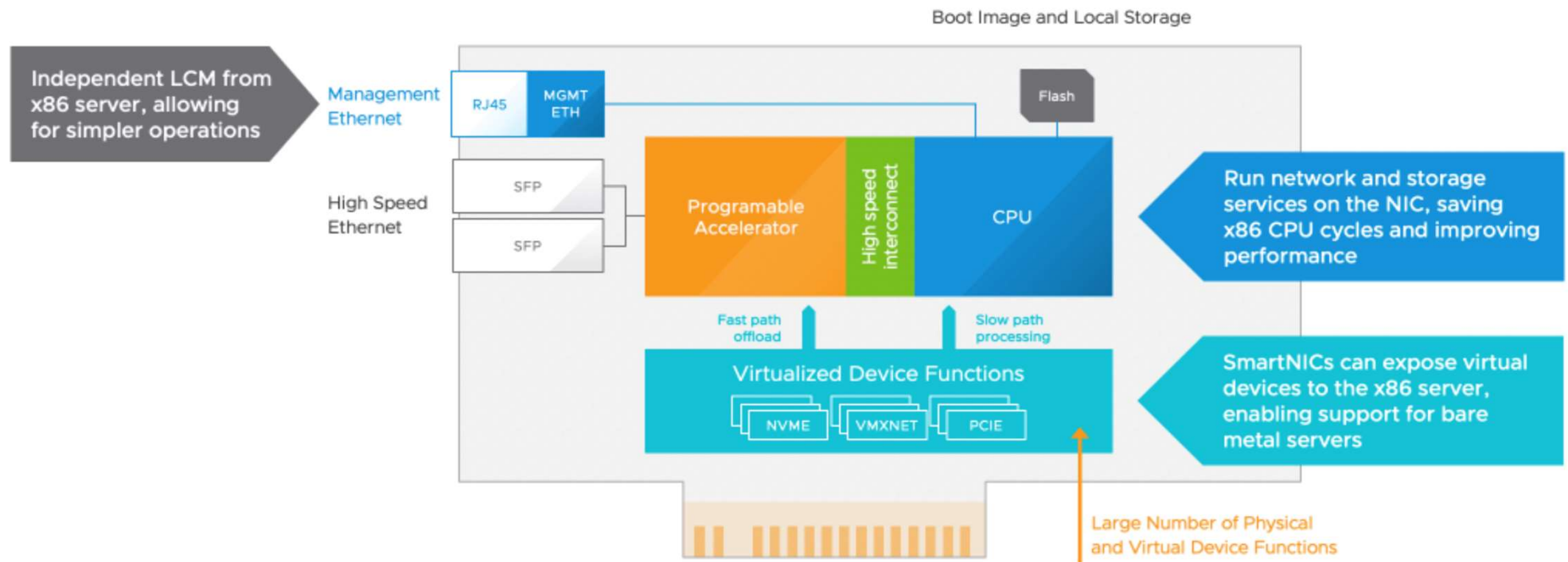
VMware Projekt Monterey

Aufgaben zwischen CPU und Hardwarebeschleunigern dynamisch verteilen



VMware Projekt Monterey

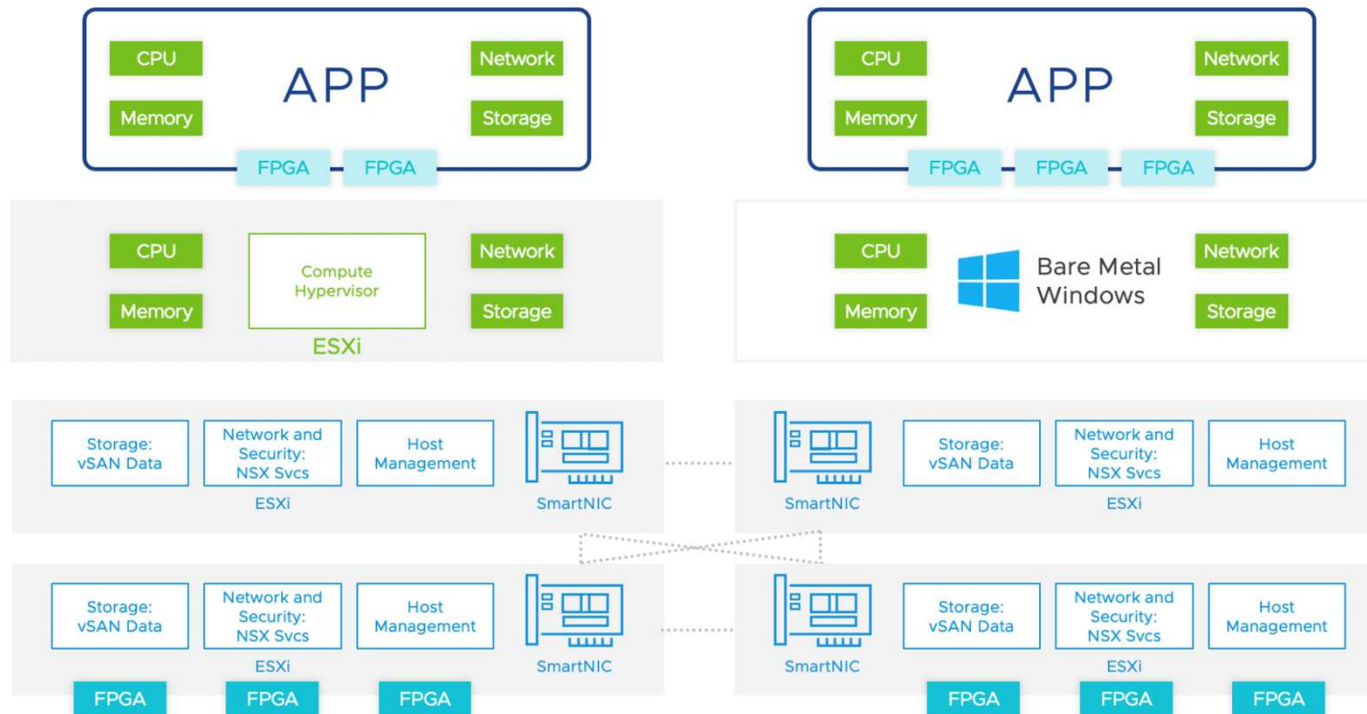
SmartNICs sind im Prinzip Netzwerkkarten mit CPUs, Out-of-Band-Management und Virtualisierungsfunktionen



VMware Projekt Monterey

Cluster-Architektur neu überdenken

Hardwarebeschleuniger einzelner Hosts einfach allen Hosts im Cluster zur Verfügung stellen, damit alle Apps im Cluster diese Beschleuniger nutzen können.



Unterstützte Hersteller

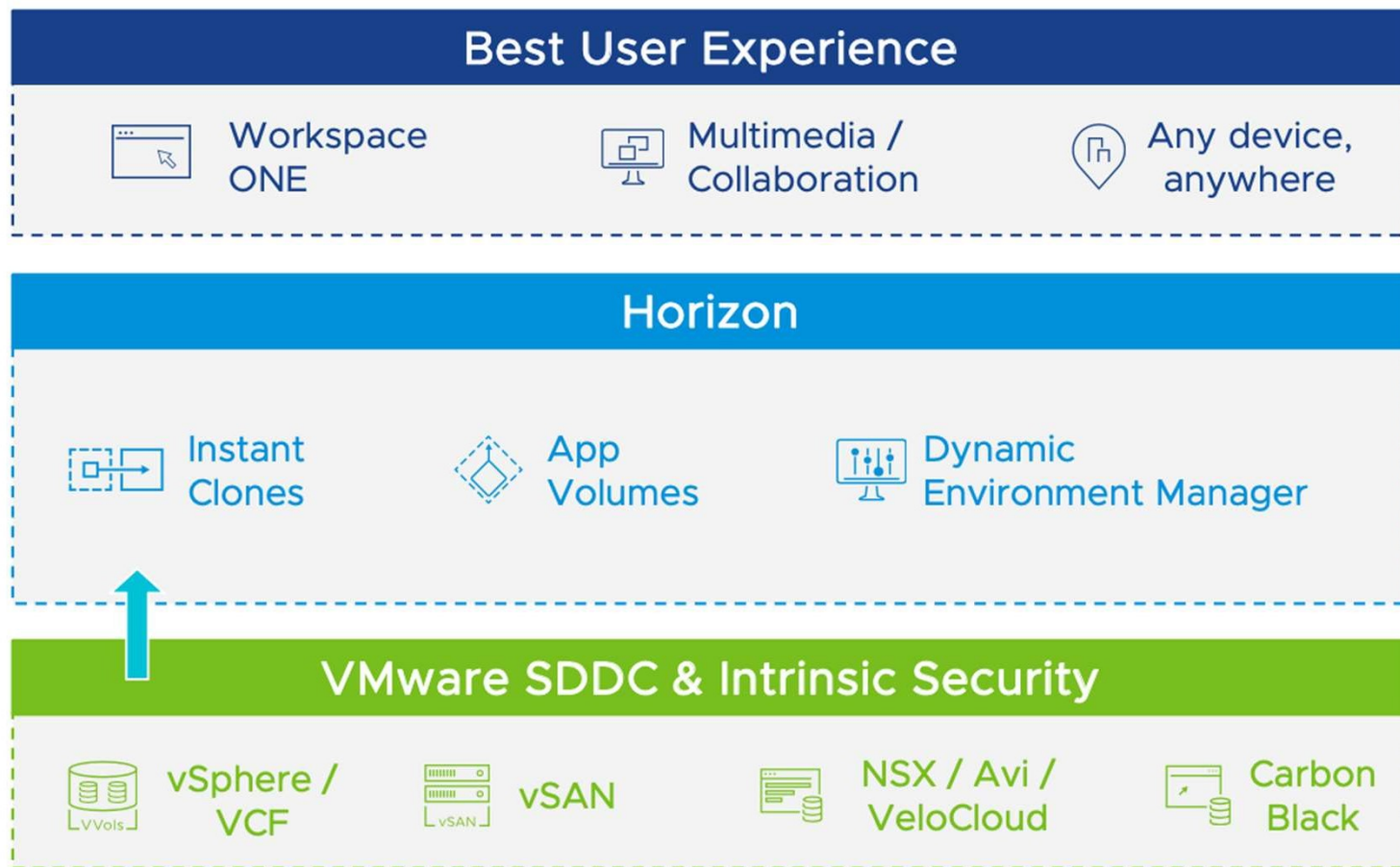
NVIDIA
(Tochter Mellanox)
mit 2 * 100GB

oder

Intel 2 * 100 GB

Horizon 8 – Enable the Future Ready Workforce

A modern platform for secure delivery of VDI and apps across the hybrid cloud

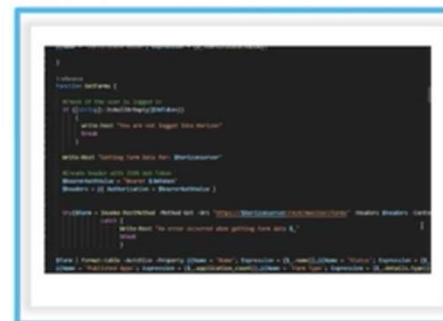
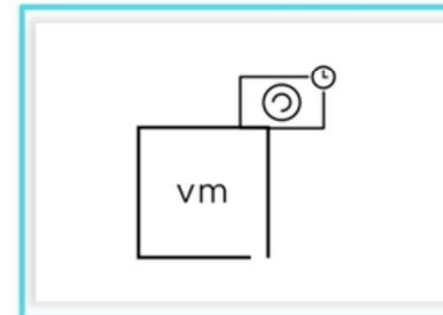
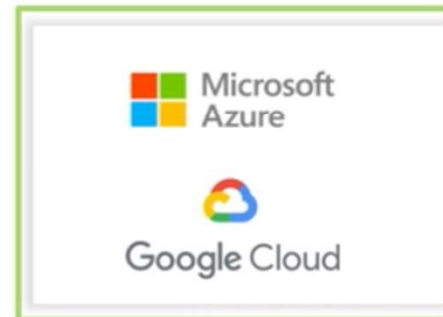


-  Market leading VDI and Apps
-  Unique Integration to VMware Technology
-  Supported by the most adopted digital workspace solution
-  End-to-end security powered by intrinsic security

VMware Horizon – Your Modern Platform for Hybrid VDI and Apps

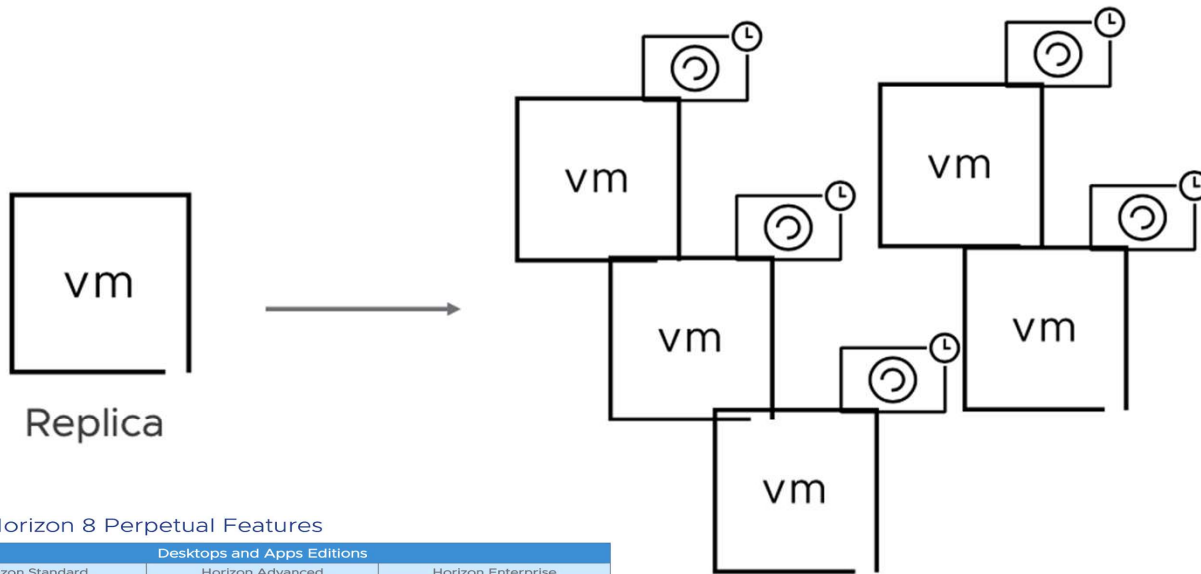
Horizon 8 Updates & Enhancements

- New cloud platform support for native VMware stack
 - Horizon on Azure VMware Solution (AVS)
 - Horizon on Google Cloud VMware Engine (GCVE)
- Instant Clone Smart Provisioning reduces costs
- REST APIs for Horizon orchestration
- Optimize collaboration tools: Microsoft Teams, Zoom, and Cisco WebEx
- Linux Hosted Apps enhances user experience and reduces license costs



Instant Clone Smart Provisioning

Provision desktops faster than traditional provisioning methods with unique integration



Directly provision instant clones without requiring a parent VM



Free up additional memory resources and increases desktop per host consolidation ratio

Notable Horizon 8 Perpetual Features

Desktops and Apps Editions		
Horizon Standard	Horizon Advanced	Horizon Enterprise
vSphere/vCenter	vSphere/vCenter	vSphere/vCenter
VDI	VDI	VDI
ThinApp	ThinApp	ThinApp
Instant Clones	Instant Clones	Instant Clones
Remote Windows 10 PC Access	Remote Windows 10 PC Access	Remote Windows 10 PC Access
	Workspace ONE Access	Workspace ONE Access
	Published Apps	Published Apps
		App Volumes
DEM Standard	DEM Standard	DEM Enterprise
		Session Collaboration
		Help desk tool
		VM Hosted Apps
		Linux Hosted Apps
		Horizon REST APIs
	Microsoft Teams Optimization Pack	Microsoft Teams Optimization Pack

Deliver Linux Hosted Apps to Any Device



Publish Linux apps directly for a Linux server



Enhanced experience for Linux users

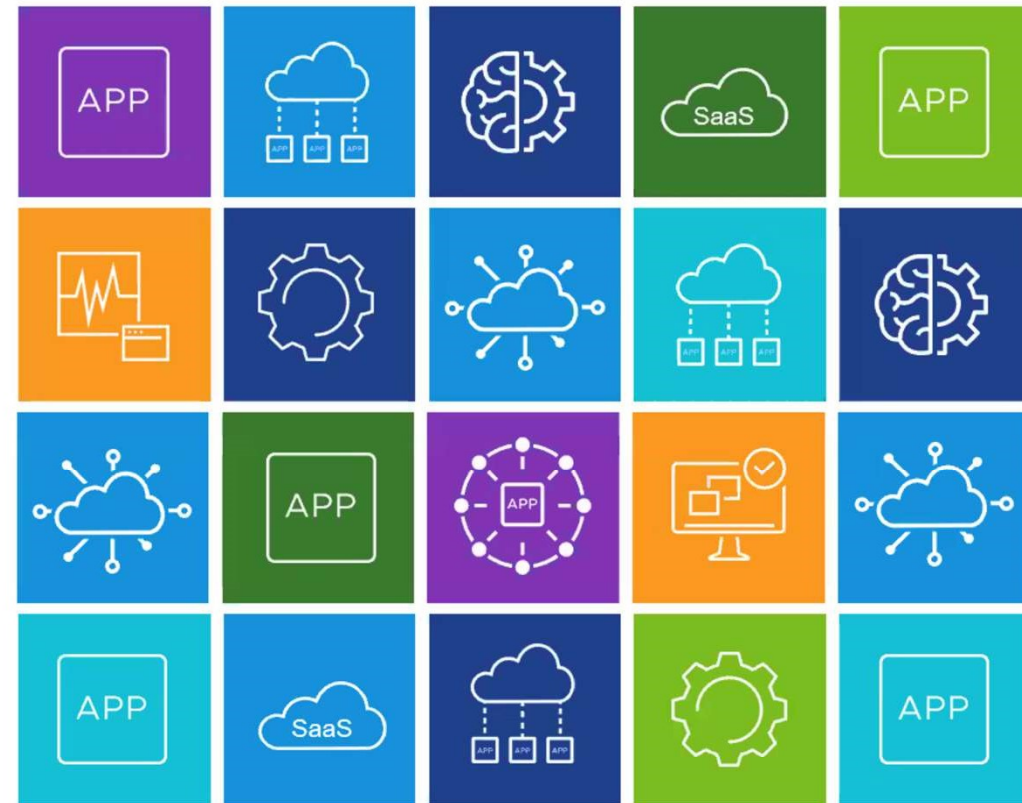


Reduce costs associated with licenses

vSphere with Tanzu

Over the next three years, enterprises will build **500 million apps** using cloud native tools and methods.

That's equal to the total number of apps built over the last **40 years**



Source: IDC, IDC FutureScape: Worldwide IT Industry 2020 Predictions, October 2019, Doc # [US45599219](#)

Application Architectures are Changing

From simple and centralized Monolithic Applications

App



Database



Webserver

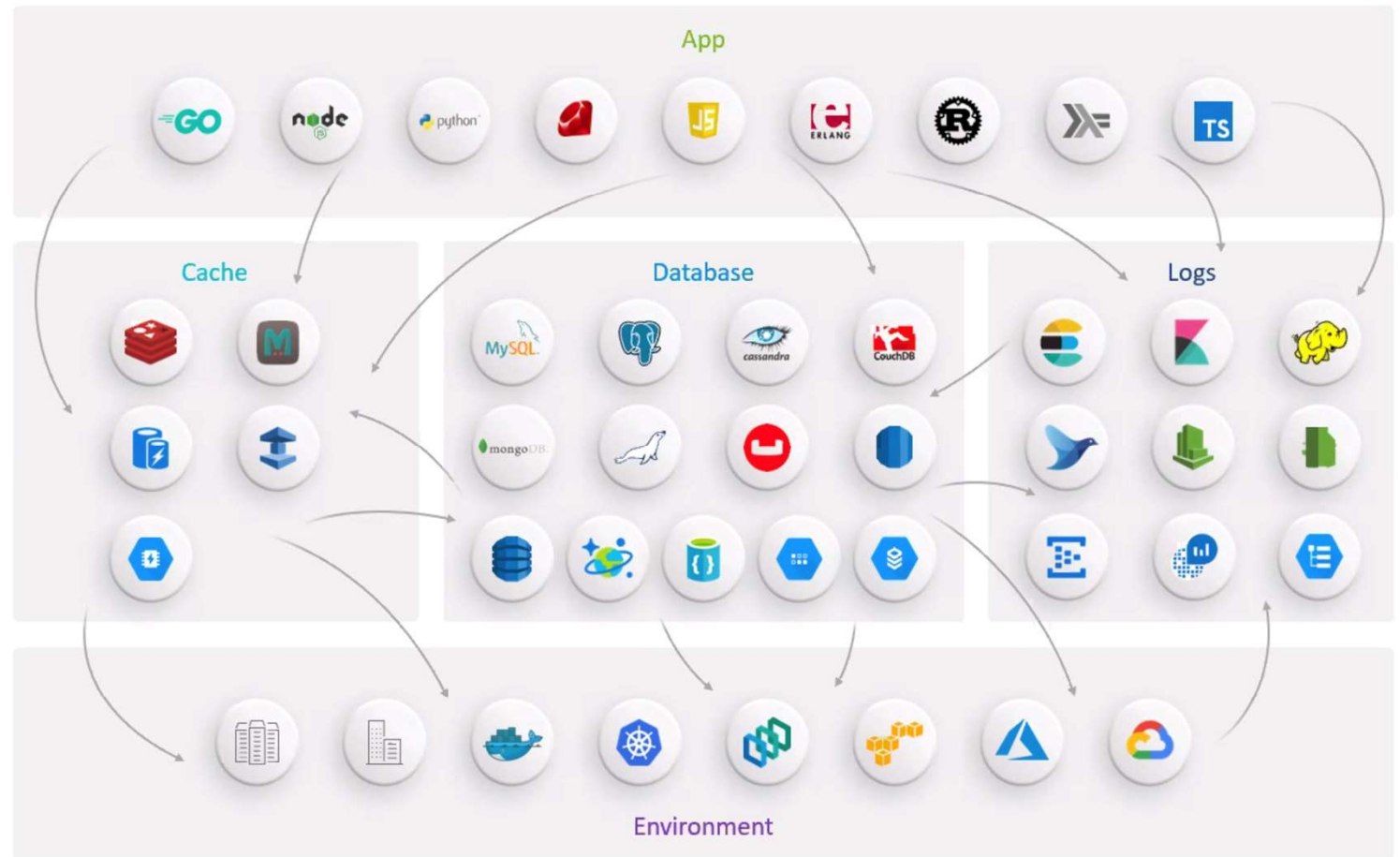


Environment



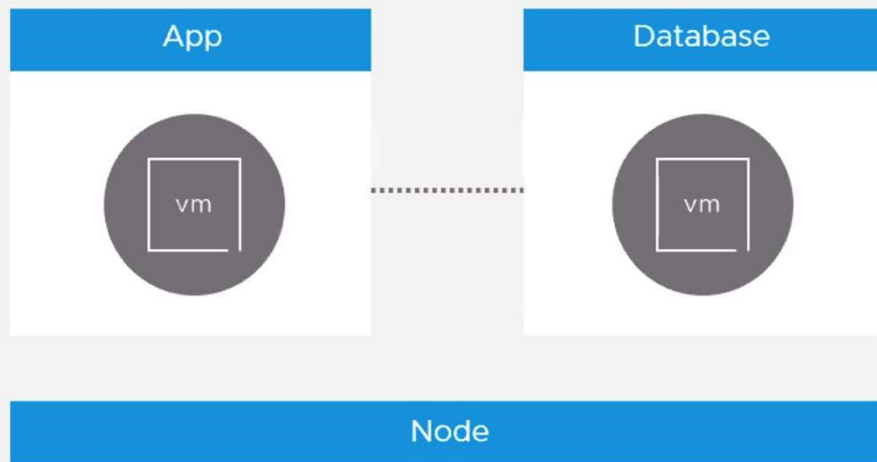
Application Architectures are Changing

To complex and decentralized Microservices Architectures

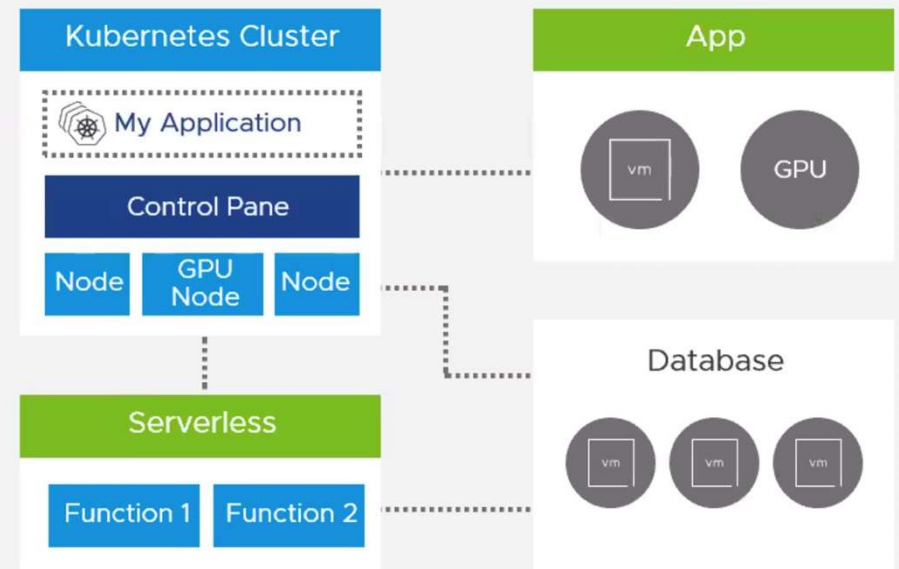


The Definition of an Application Has Changed

An application used to consist of a few VMs



Modern apps are like distributed systems



Presenting Tanzu editions

“Building on a base of Kubernetes attached to the vSphere install base, we want to simplify the buying journey by focusing sales energy on clear personas and solutions of integrated products that address real enterprise challenges and provide a natural upsell motions to the fuller portfolio.”



vmware vSphere — Azure

Tanzu Basic

Run Kubernetes in vSphere

Available Oct 6

Tanzu Standard

Operate Kubernetes across multiple clouds

Available Oct 6

Tanzu Advanced

Embrace DevOps delivery of workloads on Kubernetes

Available later

Tanzu Enterprise

Drive developer velocity with an automated application platform

Available later



Announcing 'vSphere with Tanzu'

Developer-ready infrastructure for millions of IT admins



 VMware Cloud Foundation
with Tanzu

The BEST way
to run Kubernetes workloads AT
SCALE

Available Today

 vSphere with Tanzu

The FASTEST way
to get started with Kubernetes
workloads

Available
on Oct 6, 2020

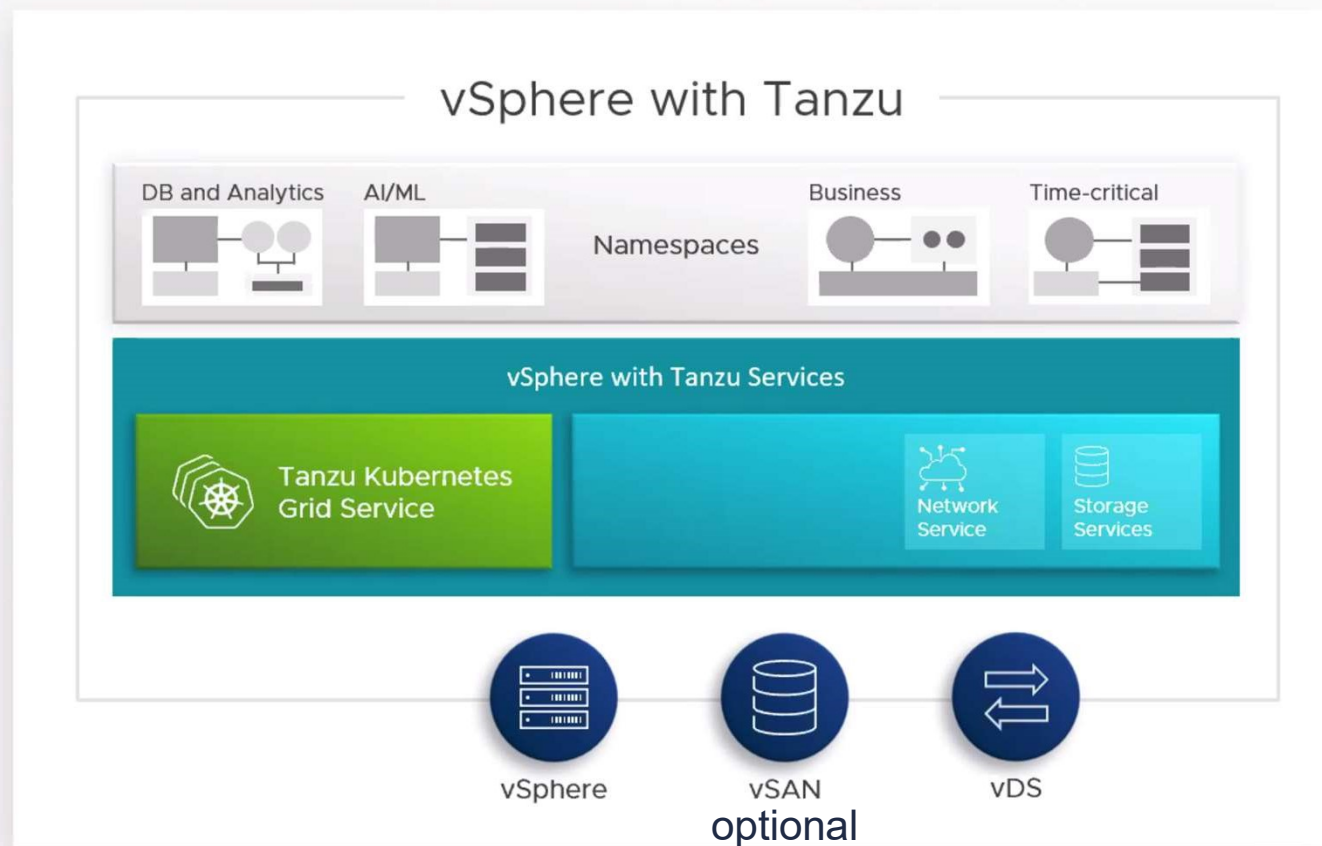


Simplified Deployment and Consumption

vSphere with Tanzu



Developer



IT Operator

In Product Evaluation for vSphere with Tanzu Basic

vm vSphere Client

Search in all environments

Administrator@VSPHERE.LOCAL

Workload Management Free Evaluation

Workload Management brings Kubernetes and Tanzu to vSphere.

You can enable Workload Management on any number of clusters. Each cluster will have a 60 day evaluation period.

Already have a Tanzu edition license?

[ADD LICENSE](#)

Basic Information

First Name

Last Name

Work Email

Company (optional)

Country

Phone Number

Help us learn more about your experience with Kubernetes (optional)

1. Your company uses Kubernetes
 Yes No In the Future

2. Your org is responsible for Kubernetes
 Yes No In the Future

3. Where does your company run Kubernetes today?
 AWS GCP Azure OpenShift vSphere

Yes, I would like to receive communication from VMware and/or from its affiliates regarding product and services, newsletters, invitation-only events (optional)

I have read and accept the VMware End User License Agreement

[GET STARTED](#)

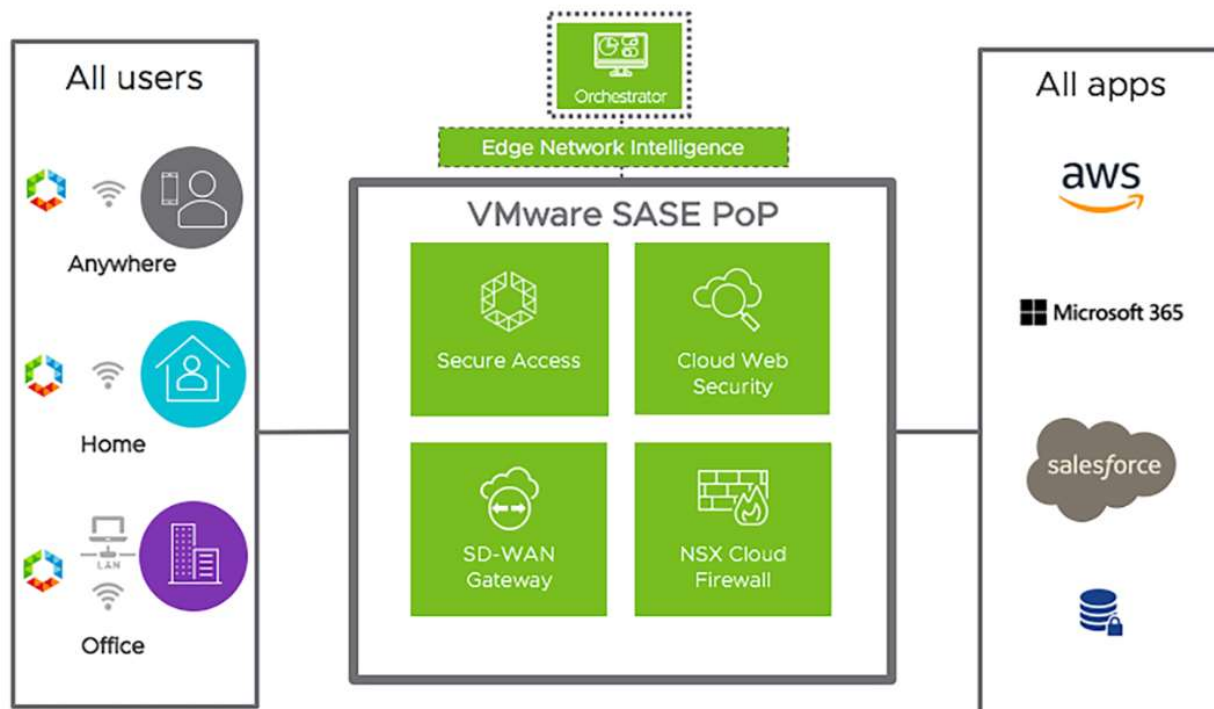
- In Product Evaluation allows customers to enable Tanzu Basic features in their vSphere cluster **free for 60 days**
- To download in product eval customer must have:
 - vSphere Enterprise Plus
 - Version 7.0.1
- Available on 7U1 GA date, 10.6.2020



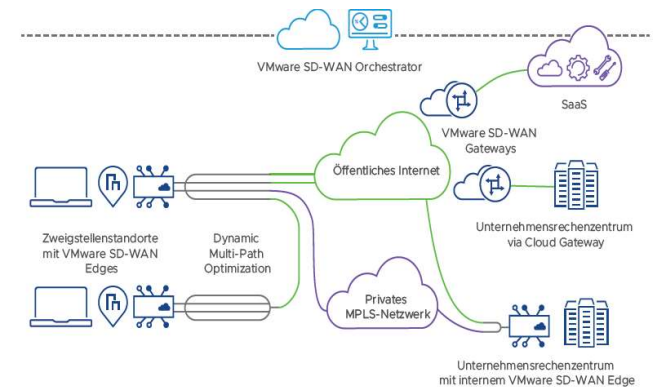
VMware SD-WAN by Velocloud

VMware SD-WAN bietet Bandbreitenerweiterung sowie einen optimalen Direktzugang zu Daten, Unternehmens- und Cloud-Anwendungen

SASE Plattform - secure access service edge (VMworld 2020)



VMware VELOCLOUD SD-WAN Lösung für Unternehmen





VMware Workspace ONE

VMware Workspace ONE können Sie beliebige Anwendungen auf Geräten aller Art einfach und sicher bereitstellen und verwalten

Der digitale Arbeitsplatz als Ziel

DER WEG ZUM DIGITALEN ARBEITSPLATZ



- Viele IT-Unternehmen nutzen Infografiken, um die Führungsebene von ihren Initiativen für den digitalen Arbeitsplatz zu überzeugen.
- Sobald sie sich deren Unterstützung gesichert haben, liegt die eigentliche Arbeit darin, den Weg zum digitalen Arbeitsplatz als Abfolge von Projekten oder Schritten zu skizzieren.

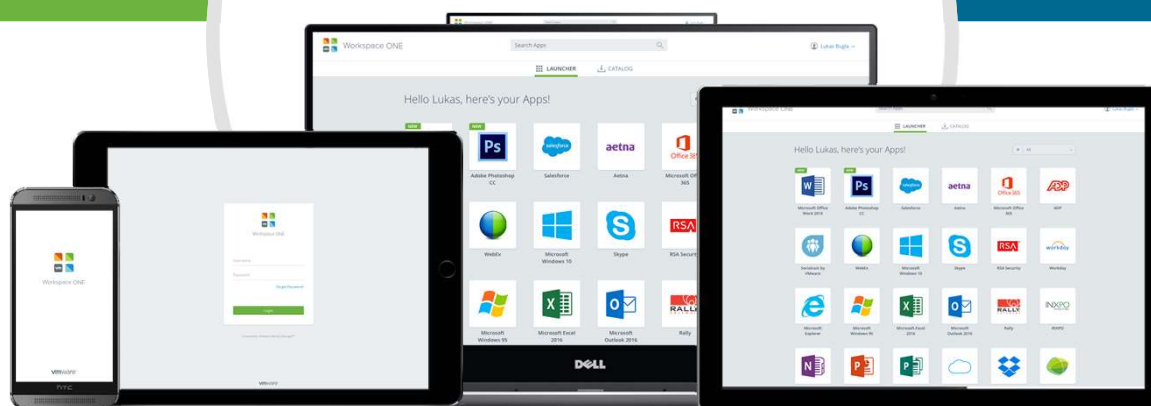
VMware unterstützt den digitalen Arbeitsplatz für Ihre geschäftlichen Anforderungen

EINFACH FÜR ANWENDER

vmware®
Workspace™ ONE™

SICHER FÜR UNTERNEHMEN

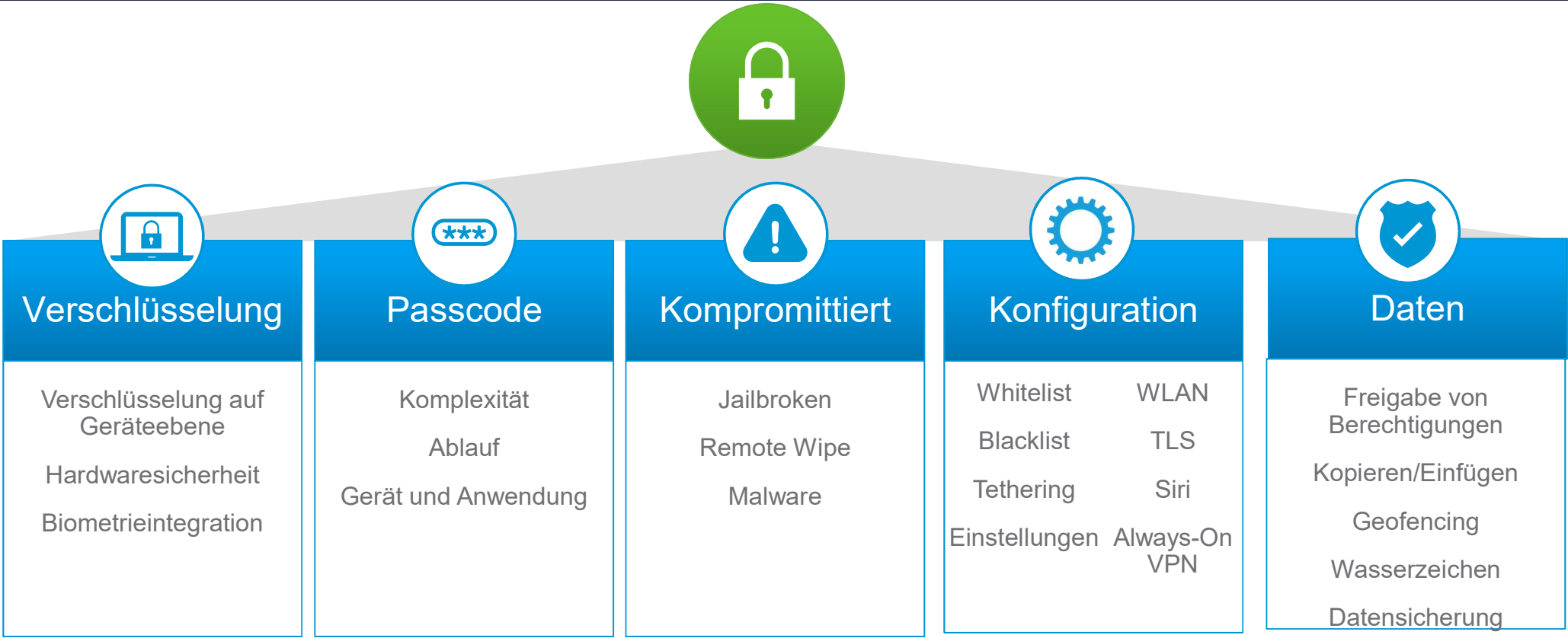
Unternehmen können ohne erstklassige Anwendererfahrung nicht umgewandelt werden



Dazu muss nicht die Sicherheit beeinträchtigt werden

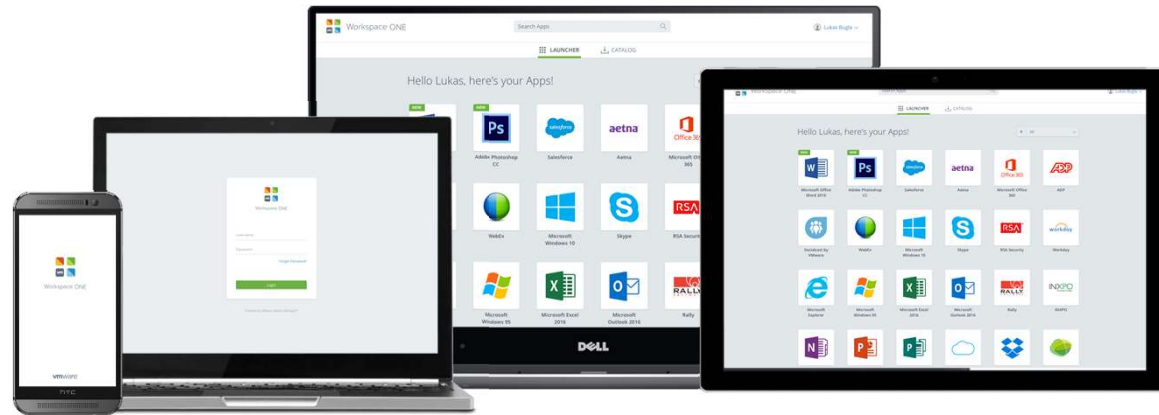
 TechData

Endpunkt sichern und Datenverlust verhindern



Einfach für Anwender

Reibungsloser Zugriff auf jede Anwendung



Business

Schnelleres Erreichen der Produktivität in Tagen statt in Monaten

IT

Vermeiden von auf die Anwendungsbereitstellung und das Kennwort bezogenen Helpdesk-Tickets



Ein zentraler Ort für den Zugriff auf alle Geschäftsanwendungen, optimiert nach Gerätetyp



One-Touch-Single Sign-On auf Mobilgeräten unter Nutzung des Gerätevertrauensstatus



Einfaches Self-Service-Onboarding für neue Anwender und neue Geräte



Einfache Mehrfachauthentifizierung für alle beliebigen mobilen Geräte



Datenschutz durch Design stellt sicher, dass persönliche Anwendungen und Daten der Anwender für die IT unsichtbar bleiben

TechData



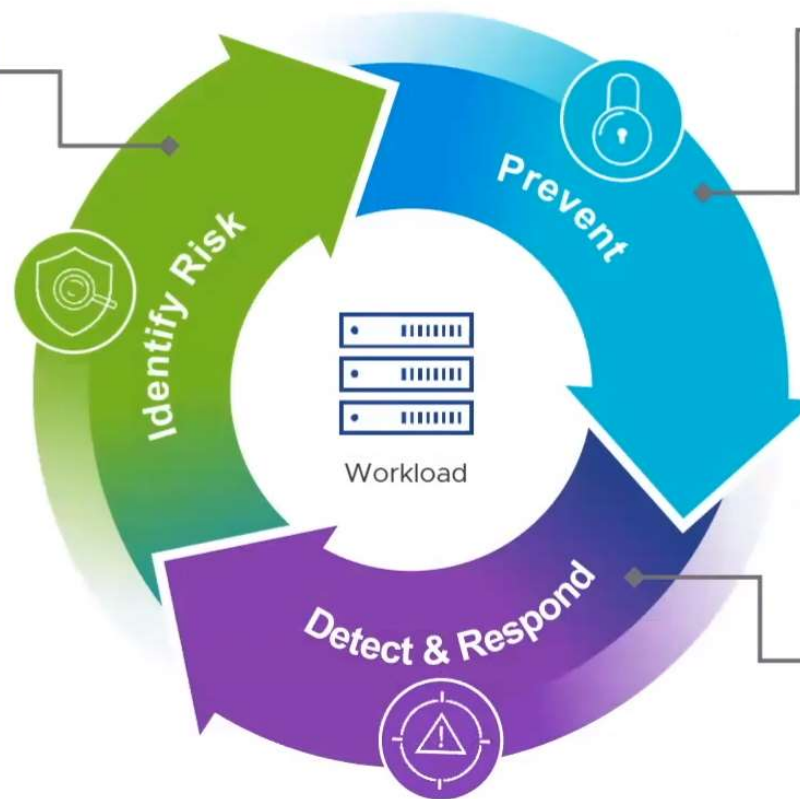
VMware Carbon Black

Introducing VMware Carbon Black Cloud Workload

Comprehensive Protection for vSphere Workloads

Identify Risk

- Risk-prioritized vulnerability assessment of workloads in vCenter
- Workload inventory status visibility in vCenter
- Evaluate over 1,500 configuration states
- Run ongoing assessments to track IT hygiene
- Take immediate action with live, remote access



Prevent

- Stop advanced malware
- Shut down fileless attacks
- Easily adapt prevention
- Replace Legacy AV on servers

Detect & Respond

- Enhance visibility for Security and IT teams
- Detect anomalous activity
- Feed response actions into hardening and prevention
- Correlate attacks to vulnerabilities via alerts

Free Trial Offer: Carbon Black Cloud Workload Essentials

Core Capabilities



SPECIAL
OFFERING

Free trial of Carbon Black Cloud *Workload Essentials* for current vSphere and VCF customers through April 2021

Workload Packages

**Entry Path for non-security lead sales motions*

Carbon Black Cloud Workload **Essentials**

IDENTIFY RISK/HARDEN

- Asset Inventory
- Audit and Remediation
- Vulnerability
- vCenter Plug-in
- Agentless
- Lifecycle Management

Carbon Black Cloud Workload **Advanced**

+ PREVENTION

- NGAV
- Behavioral EDR
- Asset Inventory
- Audit and Remediation
- Vulnerability
- vCenter Plug-in
- Agentless
- Lifecycle Management

Carbon Black Cloud Workload **Enterprise**

+ THREATHUNTING

- Enterprise EDR
- NGAV
- Behavioral EDR
- Asset Inventory
- Audit and Remediation
- Vulnerability
- vCenter Plug-in
- Agentless

VMware Carbon Black Workload Security – 6 Monate “for free”

- ▶ Sichern Sie Ihre vSphere-Umgebung mit einem Workload-Schutz, der speziell für das moderne Rechenzentrum entwickelt wurde.
- ▶ Kunden dabei zu helfen, ihre virtuellen Workloads effektiver zu sichern, ist ein wichtiges Ziel für VMware. Im Rahmen dieser Strategie bietet VMware aktuellen vSphere-Kunden bis April 2021 eine kostenlose Testversion von VMware Carbon Black Cloud Workload Essentials an.
- ▶ Diese Lösung hilft durch:
 - ▶ Native Integration in vSphere zur Vereinfachung des Betriebs mit einer einheitlicheren Lösung
 - ▶ Priorisierung von Schwachstellen mit Risikobewertungen basierend auf realen Exploits
 - ▶ Bereitstellung des erforderlichen Lebenszykluskontexts
 - ▶ Agentless Security, die Sicherheit in Ihre Kerninfrastruktur integriert

FAQs: <https://www.carbonblack.com/workload-free-trial-faqs/>

Mehr Infos: <https://www.carbonblack.com/workload-free-trial/>

Fragen ???

धन्यवाद

Kiitos

Arigato

Obrigado

谢谢

Спасибо

Thank You

Gracias

متشكراً

Danke

고맙습니다

Merci