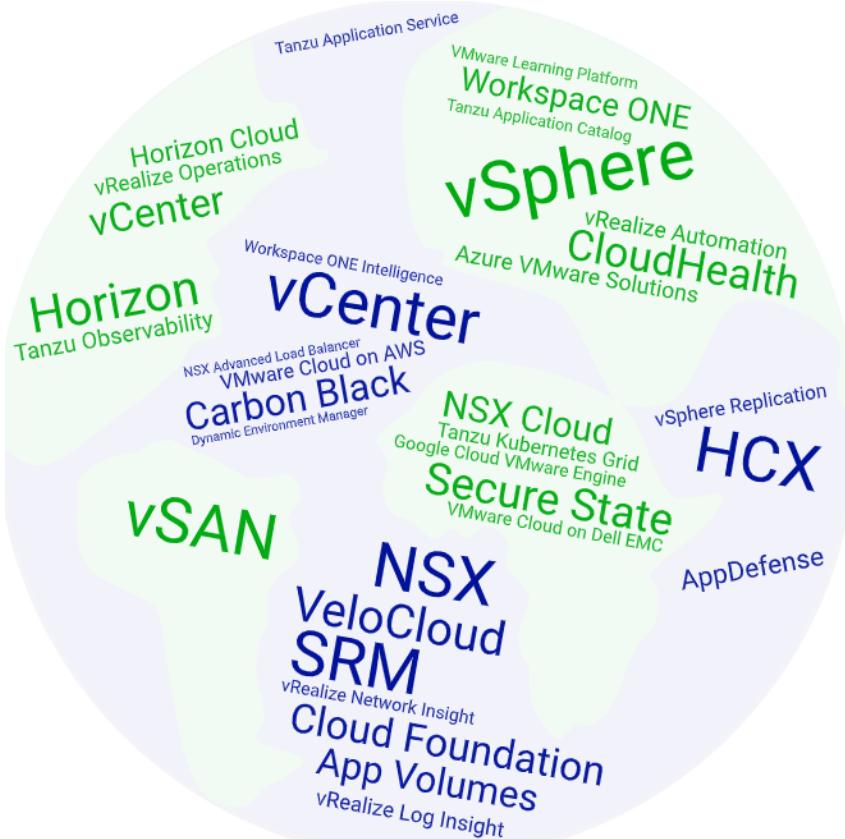


The Extensive Guide to Using VMware Documentation Like a Pro

Nick Korte (@NetworkNerd_)

A World of Products



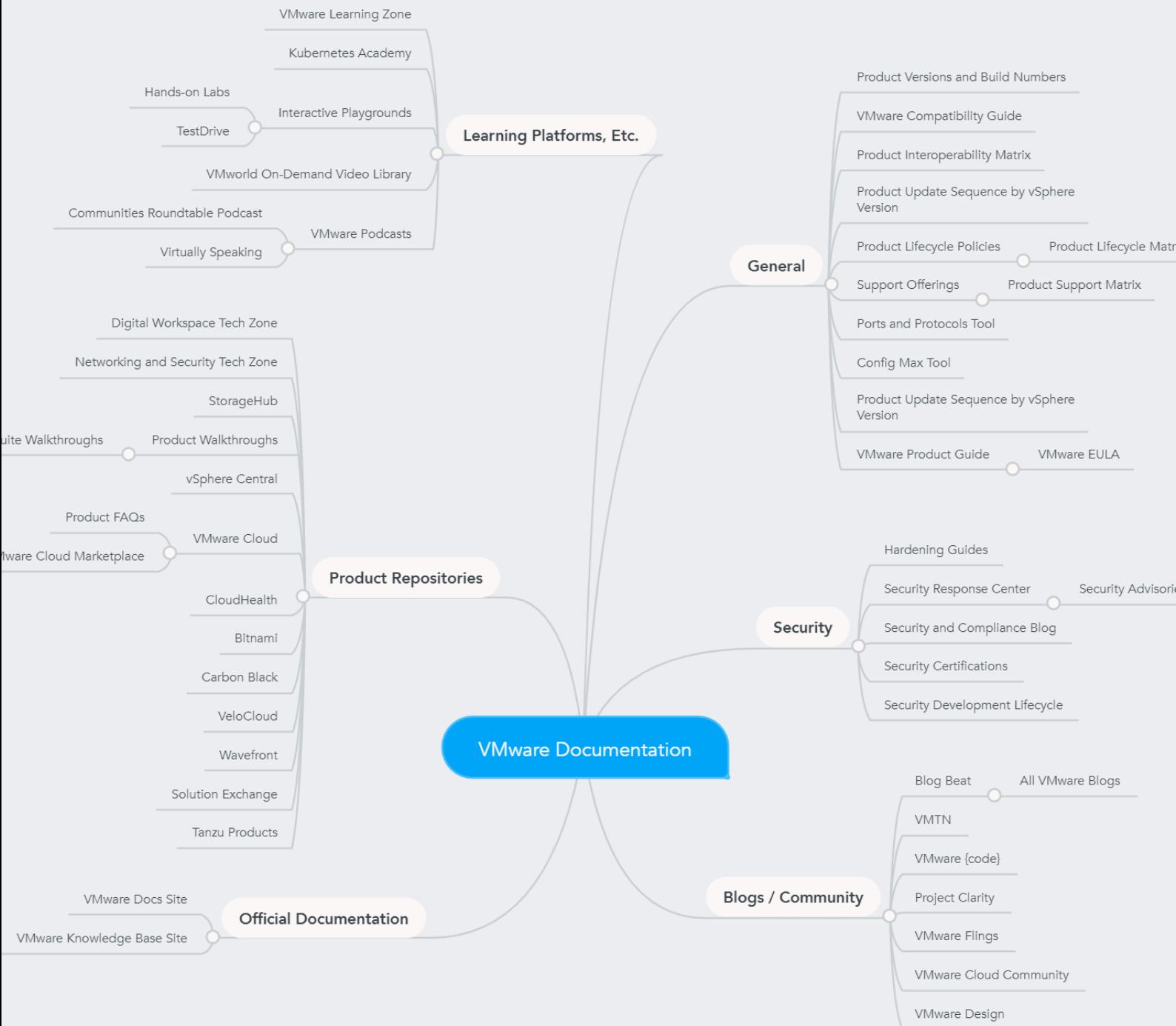
- General documentation
- Product-specific
- Knowledge Base
- Blog
- Training
- Video / Walkthrough



We're Going on Tour!

A Documentation Map

<https://mm.tt/1334759372?t=5ycwbDDXo1>





Tour Stop #1

A General Toolset

Build Numbers and Versions – [KB 1014508](#)

VMware® vSphere® | vSphere Client version 6.7.0.20000

Correlating build numbers and versions of VMware products (1014508)

Last Updated: 2/10/2020 Categories: Informational 22 subscribe

▼ Purpose
This article lists the product names and the corresponding Knowledge Base articles that provide build numbers and versions.

▼ Resolution
Note: The build numbers are based on full installations.

Product name	Article
VMware Converter Standalone	Build numbers and versions of VMware Converter Standalone (2143828)
VMware Data Recovery	Build numbers and versions of VMware Data Recovery (2143852)
VMware ESXi/ESX	Build numbers and versions of VMware ESXi/ESX (2143832)
VMware Horizon View	Build numbers and versions of VMware Horizon View (2143853)
VMware NSX for vSphere	Build numbers and versions of VMware NSX for vSphere (2143854)
VMware Site Recovery Manager	Build numbers and versions of VMware Site Recovery Manager (2143851)
VMware vCenter Server	Build numbers and versions of VMware vCenter Server (2143838) ←

Build Numbers and Versions – KB 1014508

VMware® vSphere®

vSphere Client version 6.7.0.20000

Version	Release Date	VAMI/Release Notes	Client/MOB/vpxd.log
vCenter Server 7.0.0a	2020-05-19	16189094	
vCenter Server 7.0 GA	2020-04-02	15952498	15952599

VCSA	Version	Release Date	VAMI/Release Notes	Client/MOB/vpxd.log
	vCenter Appliance 6.7 Update 3h	2020-05-28	16275304	
	vCenter Appliance 6.7 Update 3g	2020-04-28	16046470	
	vCenter Appliance 6.7 Update 3f (6.7.0.43000)	2020-04-09	15976714	15976728
	vCenter Appliance 6.7 Update 3e (6.7.0.42300)	2020-03-26	15808844	15808844
	vCenter Appliance 6.7 Update 3d (6.7.0.42200)	2020-02-27	15679281	15679281
	vCenter Appliance 6.7 Update 3c (6.7.0.42100)	2020-01-30	15505668	15505668
	vCenter Appliance 6.7 Update 3b (6.7.0.42000)	2019-12-05	15132721	15129973
	vCenter Appliance 6.7 Update 3a (6.7.0.41000)	2019-10-24	14836122	14792544
	vCenter Appliance 6.7 Update 3 (6.7.0.40000)	2019-08-20	14367737	14368073
	vCenter Appliance 6.7 Update 2c (6.7.0.32000)	2019-07-16	14070457	14070654
	vCenter Appliance 6.7 Update 2b (6.7.0.31100)	2019-05-30	13843380	13843469
	vCenter Appliance 6.7 Update 2a (6.7.0.31000)	2019-05-14	13643870	13639324
	vCenter Appliance 6.7 U2 (6.7.0.30000)	2019-04-11	13010631	13007421
	vCenter Appliance 6.7 U1b (6.7.0.21000)	2019-01-17	11726888	11727113
	vCenter Appliance 6.7 U1a (6.7.0.20100)	2018-12-20	11338176	11338799
	vCenter Appliance 6.7 U1 (6.7.0.20000)	2018-10-16	10244745	10244857

VMware Compatibility Guide

Search Compatibility Guide: [?](#)

(e.g. compatibility or esx or 3.0)

All Listings

Search

What are you looking for:

Systems / Servers

Compatibility Guides

Help

Current Results: 0

Product Release Version:

- All
- ESXi 7.0
- ESXi 6.7 U3
- ESXi 6.7 U2
- ESXi 6.7 U1
- ESXi 6.7

System Type:

- All
- Blade
- Mother Board
- Rack or Tower
- Rackmount
- Tower

Partner Name:

- All
- Aberdeen LLC
- Acer Inc.
- ACMA Computers
- Action
- Adlink technology inc.
- Advantech Corporation
- AIC Inc.
- Altos Computing Inc
- AMAX Information Technologies
- AMD (Advanced Micro Devices, Inc.)
- Anders & Rodewyk GmbH

Keyword:**Features:**

- All
- Extended Configuration Maximum
- Fault Tolerant(FT)
- Legacy FT
- Persistent Memory
- Quick Boot
- SR-IOV
- Trusted Platform Module (TPM)
- UEFI Secure Boot
- vDGA_Linux
- vDGA_Win
- VM Direct Path IO
- VM DirectPath IO for General Purpose GF

Additional Criteria: (Collapse All) **Min Certified Memory:**

- All

 Sockets:

- All

 Max Cores per Socket:

- All

 CPU Series:

- All
- AMD EPYC 7001 Series
- AMD EPYC 7002/7Fx2 Series
- AMD Opteron 22xx Series
- AMD Opteron 23xx Series
- AMD Opteron 24xx Series
- AMD Opteron 41xx Series

The VMware Compatibility Guide

 Posted Date Range:

- All

 Max Certified Memory:

- All

 Enhanced vMotion Capability Modes:

- All
- AMD Opteron™ Generation 1
- AMD Opteron™ Generation 2
- AMD Opteron™ Generation 3
- AMD Opteron™ Generation 3 without 3DM
- AMD Opteron™ Generation 4

 Fault Tolerant Compatible Sets:

- All
- AMD Bulldozer Generation
- AMD Opteron™ Generation 3
- AMD Piledriver Generation
- Intel® Haswell Generation
- Intel® Ivy-Bridge Generation
- Intel® Nehalem Generation
- Intel® Penryn Generation
- Intel® Sandy-Bridge Generation

The VMware Compatibility Guide

Compatibility Guides ▾

VMware Compatibility Guide

Search Compatibility Guide: ? (e.g. compatibility or esx or 3.0) All Listings Search

What are you looking for: Systems / Servers

Product Release Version:

- All
- ESXi 7.0
- ESXi 6.7 U3
- ESXi 6.7 U2
- ESXi 6.7 U1
- ESXi 6.7

System Type:

- All
- Blade
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- Altos Computing Inc
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- AMD (Advanced Micro Devices, Inc.)
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Features:

- All
- Extended Configuration Maximum
- Fault Tolerant(FT)
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- VM Direct Path IO
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Compatibility Guides

- Systems Compatibility Guide
- Storage/SAN Compatibility Guide
- I/O Device Compatibility Guide
- Guest OS Compatibility Guide
- Horizon (Thin Clients) Compatibility Guide
- VASA Compatibility Guide
- VVols Compatibility Guide
- Site Recovery Manager (SRM) for SRA
- Site recovery manager (SRM) for VVols Compatibility Guide
- vRealize Orchestrator
- vSphere WebClient Plug-In
- CIM Provider (H/W Monitoring)

Help Current Results: 0

Memory:

- All
- DDR3
- DDR4
- DDR5
- HMP
- LPDDR3
- LPDDR4
- LPDDR5
- RDIMM
- SDRAM
- UDIMM

vMotion Capability Modes:

- All
- Generation 1
- Generation 2
- Generation 3
- Generation 3 without 3DN
- Generation 4

Smart Compatible Sets:

- All
- Generation 1
- Generation 2
- Generation 3
- Generation 4
- Generation 5
- Generation 6
- Generation 7
- Generation 8
- Generation 9
- Generation 10
- Bridge Generation

Update and View Results Reset

The VMware Compatibility Guide – Secret Menu?

VMware Compatibility Guide

The screenshot shows the VMware Compatibility Guide interface. At the top, there is a search bar with placeholder text '(e.g. compatibility or esx or 3.0)' and a 'Search' button. Below the search bar are several filter dropdowns: 'What are you looking for: Systems / Servers', 'Product Release Version' (listing ESXi 7.0, ESXi 6.7 U3, ESXi 6.7 U2, ESXi 6.7 U1, ESXi 6.7), 'System Type' (listing All, Blade, Mother Board, Rack or Tower, Rackmount, Tower), 'Partner Name' (listing Aberdeen LLC, Acer Inc., ACMA Computers, Action, Adlink technology inc., Advantech Corporation, AIC Inc., Altos Computing Inc., AMAX Information Technologies, AMD (Advanced Micro Devices, Inc.), Anders & Rodewyk GmbH), 'Features' (listing All, Extended Configuration Maximum, Fault Tolerant(FT), Legacy FT, Persistent Memory, Quick Boot, SR-IOV, Trusted Platform Module (TPM), UEFI Secure Boot, vDGA_Linux, vDGA_Win, VM Direct Path IO, VM DirectPath IO for General Purpose GF), 'Keyword:' (an input field), and 'Additional Filters' (dropdowns for Minimum Version, Social, Maximum Version, CPL, Processor, Position, and Power Management). At the bottom left are 'Update and View Results' and 'Reset' buttons. A large 'Current Results: 0' message is displayed on the right. A dropdown menu titled 'Compatibility Guides' is open, showing a list of compatibility guides: 'Systems Compatibility Guide' (with a red box around 'What's New'), 'Storage/SAN Compatibility Guide', 'I/O Device Compatibility Guide', 'Guest OS Compatibility Guide', 'Horizon (Thin Clients) Compatibility Guide', 'VASA Compatibility Guide', 'VVols Compatibility Guide', and 'Site Recovery Manager (SRM) for SRA'. To the right of the dropdown, there are sections for 'Memory', 'vMotion Capability Modes' (listing Generation 1, Generation 2, Generation 3, Generation 3 without 3DM, Generation 4), and 'Virtual Machine Compatible Sets' (listing various generation types like Server Generation, Client Generation, etc.).

What are you looking for: Systems / Servers

Product Release Version:

- All
- ESXi 7.0
- ESXi 6.7 U3
- ESXi 6.7 U2
- ESXi 6.7 U1
- ESXi 6.7

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- UEFI Secure Boot
- vDGA_Linux
- vDGA_Win
- VM Direct Path IO
- VM DirectPath IO for General Purpose GF

Keyword:

Update and View Results Reset

Current Results: 0

Compatibility Guides

- Systems Compatibility Guide
 - What's New
 - Introduction
 - CPU Compatibility for VMware VMotion
 - Currently Qualified Hardware Lifecycle Management Applications
 - Download Full Systems Compatibility Guide
- Storage/SAN Compatibility Guide
- I/O Device Compatibility Guide
- Guest OS Compatibility Guide
- Horizon (Thin Clients) Compatibility Guide
- VASA Compatibility Guide
- VVols Compatibility Guide
- Site Recovery Manager (SRM) for SRA

ed Memory:

vMotion Capability Modes:

- Generation 1
- Generation 2
- Generation 3
- Generation 3 without 3DM
- Generation 4

Virtual Machine Compatible Sets:

- Server Generation
- Client Generation
- Generation
- Large Generation
- Medium Generation
- Small Generation
- Bridge Generation

Looking for information on VMware product compatibility by version? [See the Product Compatibility Guide](#)

Looking for VMware Product lifecycle Policies? [Lifecycle Policies](#)

The VMware Compatibility Guide – What's New?

[Home](#) / [Resources](#) / [Compatibility Guides](#) / [Whats New](#)

VMware Compatibility Guide

Below is a listing of all items that have posted to the VMware Compatibility Guide in the past 7 days.

Click on the 'Model' for details.

Click on the 'CPU Series' for details including EVC and Fault Tolerant modes.

[Bookmark](#) | [Print](#) | [Export to CSV](#)

Search Results: Your search for " Systems / Servers " returned 327 results.

Display: 10

Partner Name	Model	CPU Series	Supported Releases				
ASUSTeK Computer	RS500-E9-RS4	Intel Xeon Gold 6200/5200 (Cascade-Lake-SP/Refresh) Series	ESXi	6.7 U3	7.0		
Cisco	Cisco UCS C240 M5S	Intel Xeon Gold 6100/5100, Silver 4100, Bronze 3100 (Skylake-SP) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1
Cisco	Cisco UCS C240 M5S	Intel Xeon Gold 6200/5200 (Cascade-Lake-SP/Refresh) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1
Cisco	Cisco UCS C240 M5S	Intel Xeon Platinum 8100 (Skylake-SP) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1
Cisco	Cisco UCS C240 M5S	Intel Xeon Platinum 8200 (Cascade-Lake-SP) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1
Cisco	Cisco UCS C240 M5S	Intel Xeon Silver 4200, Bronze 3200 (Cascade-Lake-SP/Refresh) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1
Cisco	Cisco UCS C480 M5	Intel Xeon Platinum 8200 (Cascade-Lake-SP) Series	ESXi	7.0			
Cisco	Cisco UCS-C240-M5	Intel Xeon Gold 6100/5100, Silver 4100, Bronze 3100 (Skylake-SP) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1
Cisco	Cisco UCS-C240-M5	Intel Xeon Gold 6200/5200 (Cascade-Lake-SP/Refresh) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1
Cisco	Cisco UCS-C240-M5	Intel Xeon Platinum 8100 (Skylake-SP) Series	ESXi	6.7 U3	7.0	6.7 U2	6.7 U1

Previous

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 ... 33 Next

Product Interoperability

Example: ESXi and vCenter

Product Update Sequence

[KB 78827](#)

- vSphere 7.0 – [KB 78221](#)
- vSphere 6.7 - [KB 53710](#)
- vSphere 6.5 - [KB 2147289](#)
- vSphere 6.0 - [KB 2109760](#)

KB article respective on your environment	Important Notes and Caveats
<p>Update sequence for vSphere 7.0 and its compatible VMware products (78221)</p> 	<ul style="list-style-type: none">• vSphere Upgrade Center• Overview of vSphere 7.0 Upgrade Process• vSphere 7.0 Compatibility Guide. <p>When upgrading your vCenter Server when Horizon View is part of your environment, refer to these resources:</p> <ul style="list-style-type: none">• Update sequence for Horizon 7.x and its compatible VMware products (78445)• Migration Recommendations and Restrictions for Horizon VDI Desktops (57368) <p>Before you update vCenter Server, disable vCenter Server from vCloud Director. For more information, see:</p> <ul style="list-style-type: none">• Upgrade vCenter Server Systems, ESXi Hosts, and NSX Edges
<p>Update sequence for vSphere 6.7 and its compatible VMware products (53710)</p>	<ul style="list-style-type: none">• Overview of the vSphere 6.7 Upgrade Process <p>When upgrading your vCenter Server and with Horizon View is part of your environment, see:</p> <ul style="list-style-type: none">• Migration Recommendations and Restrictions for Horizon VDI Desktops (57368)• Migrating from vCenter Windows Server to vCenter Service Appliance with VMware Horizon 7.x and 6.x (51154)• Moving View-managed desktops between VMware vCenter Servers is not supported (1018045) <p>Before you update vCenter Server, disable vCenter Server from vCloud Director. For more information, see:</p> <ul style="list-style-type: none">• Upgrade vCenter Server Systems, ESXi Hosts, and NSX Edges

Product Update Sequence

[KB 78827](#)

- vSphere 7.0 – [KB 78221](#) (shown here)
- vSphere 6.7 - [KB 53710](#)
- vSphere 6.5 - [KB 2147289](#)
- vSphere 6.0 - [KB 2109760](#)

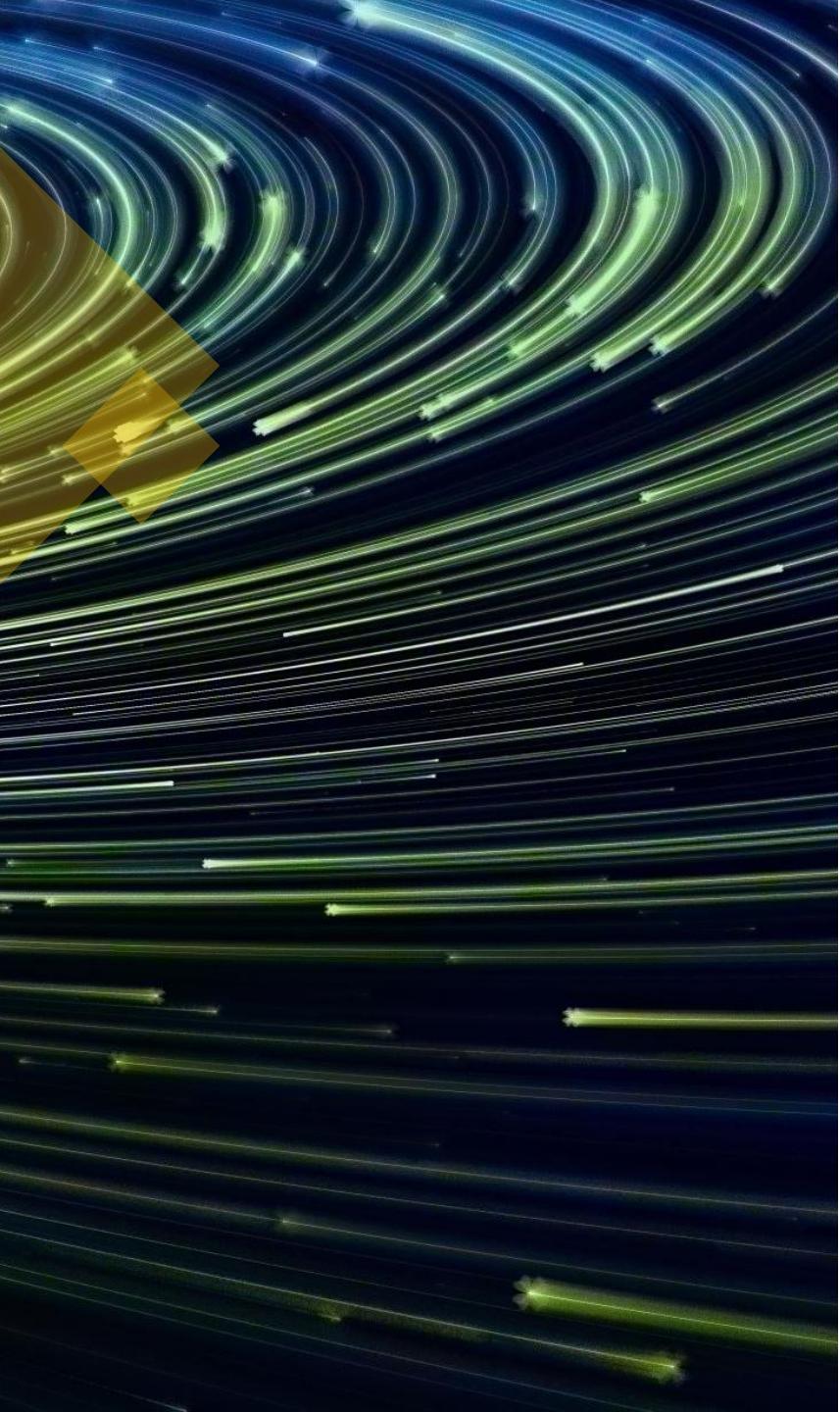
Resolution

This table describes the upgrade path in which the vSphere 7.0 and its compatible VMware products must be updated:

Supported Update Sequence

	vRSLCM	vRLI	vROPs	vrNI	vRA	vADP-based Backup solution	VR	SRM	NSX-T	vCenter Server	ESXi	VMware Tools	Virtual Hardware	VSAN/VMFS
Seq.	1													
		2	2											
				3										
					4									
						5								
							6	6						
									7					
										8				
											9			
												10		
													11	
														12

Note: If you need to update multiple products in your environment, start with updating the product with the lowest sequence number. After you update the product, update the product with the next sequence number. If a product is not present in your environment, update the subsequent product. If you need to update two products with the same sequence number, the order of update does not matter.



VMware Product Lifecycle Policies

<https://www.vmware.com/support/policies/lifecycle.html>



GENERAL SUPPORT
PHASE



TECHNICAL
GUIDANCE PHASE



END OF SUPPORT
LIFE



END OF AVAILABILITY
/ END OF
DISTRIBUTION



VMware Lifecycle Product Matrix

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/support/product-lifecycle-matrix.pdf>

VMware Lifecycle Product Matrix

Supported Products, as of May 15, 2020

Dates highlighted in red indicate a product version is within 6 months of End of General Support or End of Technical Guidance.

Dates highlighted in purple indicate a product version has gone past its End of General Support.

PRODUCT RELEASE	GENERAL AVAILABILITY	END OF GENERAL SUPPORT	END OF TECHNICAL GUIDANCE	LIFECYCLE POLICY	END OF AVAILABILITY	NOTES
App Volumes 2.13	2017/10/19	2019/10/19	2020/10/19	EDP		A, B
App Volumes 2.14	2018/05/29	2020/05/29	2021/05/29	EDP		A, B
App Volumes 2.15	2018/12/13	2020/12/13	2021/12/13	EDP		
App Volumes 2.16	2019/03/14	2021/03/14	2022/03/14	EDP		
App Volumes 2.17	2019/07/02	2021/07/02	2022/07/02	EDP		
App Volumes 2.18	2019/09/17	2021/09/17	2022/09/17	EDP		
App Volumes 4.0	2020/01/14	2022/01/14	2023/01/14	EDP		

VMware Support Offerings

<https://www.vmware.com/support/services.html>

- Product support matrix -

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/support/support-by-product-matrix.pdf>

Extended Support

Protection against security threats and severity 1 issues after a product reached end of support.

[Extended Support >>](#)

On-Premises Support

VMware Skyline

Proactive support beyond break/fix. VMware Skyline expects the unexpected in your environment, turning high-pressure challenges into opportunities to shine.

[Get Started with Skyline >>](#)

Premier Support

VMware Premier Support provides priority access to senior engineers, account management and advanced Skyline features.

[VMware Premier Support >>](#)

[Premier Support for Financial >>](#)

[Premier Support for Healthcare >>](#)

[Premier Support for Telco >>](#)

Production Support

Focused, 24-hour support for production environments.

[Production Support >>](#)

Basic Support

Non-critical support. 12 hours per day, 5 days per week.

[Basic Support >>](#)

Cloud Services Support

Cloud Services Premier Support

VMware Premier Support provides priority access to senior engineers, account management and advanced Skyline features.

[VMware Premier Support >>](#)

[Premier Support for Financial >>](#)

[Premier Support for Healthcare >>](#)

[Premier Support for Telco >>](#)

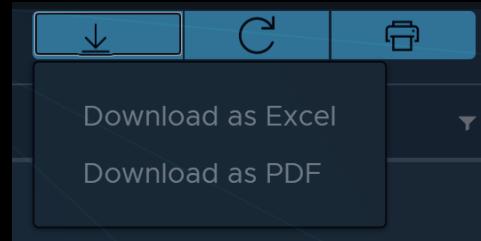
Cloud Services Production Support

Production level support for all Cloud-based products with 24x7 coverage for all Severity 1 issues

[Cloud Services Production Support >>](#)

VMware Ports and Protocols

<https://ports.vmware.com/home>



Search Products

Select Products

- vSphere
- vSAN
- NSX Data Center for vSphere
- vRealize Network Insight
- vRealize Operations Manager
- vRealize Automation
- vCloud Availability
- vCloud Usage Meter
- VMware HCX
- Horizon 7
- Workspace ONE Access
- Site Recovery Manager
- vRealize Log Insight
- vRealize Suite Lifecycle Manager
- VMware Cloud Foundation
- NSX Intelligence

Search Listings

Product	Version	Source	Destination	Ports	Protocols	Purpose	Service Description	Classification
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	3260	TCP	Software iSCSI Client	Supports software iSCSI.	Outgoing Firewall Connections
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	6999	UDP	NSX Distributed Logical Router Service	The firewall port associated with this service is opened when NSX VIBs are installed and the VDR module is created. If no VDR instances are associated with the host, the port does not have to be open.	Outgoing Firewall Connections
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	5671	TCP	rabbitmqproxy	A proxy running on the ESXi host. This proxy allows applications that are running inside virtual machines to communicate with the AMQP brokers that are running in the vCenter network domain. The virtual machine does not have to be on the network, that is, no NIC is required. Ensure that outgoing connection IP addresses include at least the brokers in use or future. You can add brokers later to scale up.	Outgoing Firewall Connections
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	2233	TCP	vSAN Transport	Used for RDT traffic (Unicast peer to peer communication) between vSAN nodes.	Outgoing Firewall Connections
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	8000	TCP	vMotion	Required for virtual machine migration with vMotion.	Outgoing Firewall Connections
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	902	UDP	VMware vCenter Agent	vCenter Server agent.	Outgoing Firewall Connections
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	8080	TCP	vsanvp	Used for vSAN Vendor Provider traffic.	Outgoing Firewall Connections
vSphere	6.7, 6.5	vSphere Web Client	VMware Host Client	9080	TCP	I/O Filter Service	Used by the I/O Filters storage feature	Outgoing Firewall Connections

VMware Ports and Protocols - Feedback

<https://ports.vmware.com/home>

Feedback Sign in 

Send Feedback

You can rate your experience and provide us with feedback. We will use this information in conjunction with other information we might have regarding your account to fix problems and improve our products and services.

How satisfied are you with VMware Ports and Protocols tool?



Do you have any other feedback about VMware Ports and Protocols tool? Let us know what's on your mind.

This is amazing, but I did not see vSphere Replication listed in the tool.

NEXT

Thanks for your feedback. Your opinion is very valuable to us. If you have a few minutes, please share additional feedback with us.

[SUBMIT NOW](#)

[MORE FEEDBACK](#)

VMware Ports and Protocols - Feedback

<https://ports.vmware.com/home>

Feedback

Sign in



More Feedback

Feedback Category

Product Data

Product Name

vSphere Replication

Enter the VMware product name that is related to your feedback

Email ID

[REDACTED]

Enter your email id. This will help us respond to your feedback.

Details

It seems like vSphere Replication should at least be searchable from the products area. Unless someone knows to select Site Recovery Manager, they may think this tool is missing vSphere Replication.

Enter your detailed feedback comments here.

SUBMIT



Thank you for your feedback. Your feedback is valuable to us.

Config Max Tool

<https://configmax.vmware.com/home>

VMware Configuration Maximums

This Configuration Maximums tool provides the recommended configuration limits for VMware products. When you configure, deploy and operate your virtual and physical equipment, it is highly recommended you stay at or below the maximums supported by your product. The limits presented in the tool are tested, recommended limits, and are fully supported by VMware.

Disclaimer: The limits can be affected by other factors, such as hardware dependencies. For more information about the supported hardware, see the appropriate hardware compatibility guide. It might not be possible to maximize all configuration settings and expect your desired outcome. To ensure that you do not exceed supported configurations for your environment, consult individual solution limits. The recommended configuration maximums do not represent the theoretical possibilities of your product.

GET STARTED

Config Max Tool – A Single Product

<https://configmax.vmware.com/home>

VMware Configuration Maximums View Limits Compare Limits Feedback Home User

«

▼ Select Product

- NSX Data Center for vSphere
- vSphere
- VMware NSX-T
- vRealize Operations Manager
- VMware Site Recovery Manager
- vCloud Director For Service Providers
- vCloud Availability
- VMware HCX
- vSphere Replication
- vCloud Usage meter
- VMware Cloud Foundation

▼ Select Version

- vSphere 7.0
- vSphere 6.7
- vSphere 6.5 Update 1
- vSphere 6.5
- vSphere 6.0

▼ All Categories

- > Virtual Machine Maximums
- > vCenter Server Maximums - AuthN/AuthZ
- > vCenter Server Extensions

vSphere 7.0 Configuration Limits

[EXPORT ALL LIMITS TO PDF](#) [COLLAPSE ALL](#)

	Limit	Description
Virtual Machine Maximums		
Compute	256	New vCPU limits supported for VM in 6.7U2 with HW version 15
Virtual CPUs per virtual machine (Virtual SMP)		
Memory	6128 GB	
RAM per virtual machine		
Memory	6128 GB	VMFS3 with 1 MB block maximum swap size is 255 GB. Recommended solution is VMFS5, not VMFS3 with bigger block size
Virtual machine swap file size		
Storage Virtual Adapters and Devices		
Virtual SCSI adapters per virtual machine	4	
Storage Virtual Adapters and Devices	64	Limit applicable to PVSCSI only. Any combination of disk or VMDirectPath SCSI target.
Virtual SCSI Targets Per Virtual SCSI Adapter (PVSCSI only)		
Storage Virtual Adapters and Devices	256	Limit applicable to PVSCSI only.
Virtual SCSI Targets Per Virtual Machine (PVSCSI only)		
Storage Virtual Adapters and Devices	4	
Virtual NVMe adapters per virtual machine		
Storage Virtual Adapters and Devices	15	
Virtual NVMe targets per virtual NVMe adapter		
Storage Virtual Adapters and Devices	60	

Config Max Tool – Making Comparisons

<https://configmax.vmware.com/home>

vRealize Operations Manager Configuration Maximums			
	vRealize Operations Manager 7.0	vRealize Operations Manager 8.0	vRealize Operations Manager 8.1
Extra Small Deployment			
Configuration	20 ms	20 ms	20 ms
Network latency between agents and vRealize Operations Manager nodes and remote collectors			
Configuration	2	2	2
vCPU			
Configuration	10 ms	10 ms	10 ms
Datastore latency			
Configuration	1 vCPU to 1 physical core at scale maximums	1 vCPU to 1 physical core at scale maximums	1 vCPU to 1 physical core at scale maximums
vCPU - Physical core ratio for data nodes			
Configuration	5 ms	5 ms	5 ms
Network latency for data nodes			

[EXPORT TO CSV](#)

[CLOSE](#)

VMware Product Guide

- A guide to license terms and conditions for on-premises products that is regularly updated
- As a compliment to this guide, the VMware EULA for on-premises products and Terms of Service for cloud and hosted services can be found here - <http://www.vmware.com/download/eula>

The screenshot shows the VMware End User Terms and Conditions page. At the top, there is a navigation bar with tabs for ON-PREMISES, CLOUD SERVICES, SUPPORT, and THIRD-PARTY SOFTWARE. The ON-PREMISES tab is selected. Below the navigation bar, the page title is "VMware End User Terms and Conditions".

The main content area is divided into two main sections:

- On-Premises Software Offerings:** This section contains a sub-section titled "VMware commercial on-premises software offerings are provided under the VMware End User License Agreement and the VMware Product Guide". It features two blue buttons: "VMware End User License Agreement" and "VMware Product Guide".
- Cloud Service Offerings:** This section contains a sub-section titled "VMware commercial cloud and hosted services are provided under the VMware Terms of Service and the VMware Data Processing Addendum, together with the ancillary documents listed below". It features two blue buttons: "VMware Terms and Services" and "VMware Data Processing Addendum".

VMware Technical Papers

<https://www.vmware.com/techpapers.html>

Technical Papers

Technical Papers

1- 25 of 718 Results

Title	Publisher	Revised	
Performance of VMware vCenter Server 6.7 in Remote Offices and Branch Offices	VMware	04/10/2019	Download PDF »
Performance Best Practices for VMware vSphere 6.7 Update 2	VMware	03/10/2019	Download PDF »
Intel Optane DC Persistent Memory “Memory Mode” Virtualized Performance Study	VMware	28/07/2019	Download PDF »

Tour Stop #2

Security

Security Hardening / Security Configuration

<https://www.vmware.com/security/hardening-guides.html>

VMware Security Hardening Guides

Security Hardening Guides provide prescriptive guidance for customers on how to deploy and operate VMware products in a secure manner. Guides for vSphere are provided in an easy to consume spreadsheet format, with rich metadata to allow for guideline classification and risk assessment. They also include script examples for enabling security automation. Comparison documents are provided that list changes in guidance in successive versions of the guide.

Hardening Guides

NSX

- [NSX Security Configuration Guide](#)

vSphere 6.7 Update 1

- [vSphere 6.7 Update 1 Security Configuration Guide](#)
- [vSphere 6.7 Security Configuration Guide - Deprecated Guide](#)

vSphere 6.5 Update 1

- [vSphere 6.5 Update 1 Security Configuration Guide](#)

vSphere 6.5

- [vSphere 6.5 Security Configuration Guide](#)

Security Response Center

<https://www.vmware.com/security/vsrc.html>

Intrinsic Security > VMware Security Response Center

VMware Security Response Center

The VMware Security Response Center (VSRC) leads the analysis and remediation of software security issues in VMware products. VSRC works with customers and the security research community to achieve our goals of addressing these issues and providing customers with actionable security information in a timely manner.

VSRC receives reports directly, and monitors the ecosystem for discussion, of security issues in VMware products. After validating a report, VSRC works with VMware Research and Development to develop a solution and schedule releases that address the issue. Meanwhile, VSRC keeps the reporter informed on progress. Upon remediating the issue, VSRC releases a [VMware Security Advisory](#).

For further details on the process and our commitment to cus

VSRC answers customer questions through [VMware Global S](#) request with GSS. In cases where GSS requires additional inp security issue may directly report it to [VSRC](#).

VSRC communicates activities on the [VMware Security Blog](#) a

VMware Security & Compliance Blog

[Visit Blog](#)

- 05/12/2020
[VMware + Zoom: Security as a Team Sport](#)
jQuery(document).ready(function(){ window.vmwareEvidon.registerContent('pcontent_2912_idx_0_sidx_0','');}); Zoo...
- 04/29/2020
[Tune in for Cybersecurity Insights Virtual Event: Security as a Team Sport](#)
We are officially less than two weeks away from Cybersecurity Insights! The event, of course virtual, is schedul...
- 04/06/2020
[2020 Cybersecurity Outlook Report: Key Findings \(Part 2 of 2\)](#)
In the previous blog, 2020 Cybersecurity Outlook Report: Key Findings (Part 1 of 2), the topic of discussion rev...

VMware Security Advisories

<https://www.vmware.com/security/advisories.html>

Intrinsic Security > [Advisories](#)

VMware Security Advisories

VMware Security Advisories document remediation for security vulnerabilities that have been identified in VMware products. Sign up on the right-hand side of this page to receive new and updated advisories.

May 28, 2020

VMSA-2020-0011

VMware ESXi, Workstation, Fusion, VMware Remote Console and Horizon Client updates address multiple security vulnerabilities (CVE-2020-3957, CVE-2020-3958, CVE-2020-3959)

May 19, 2020

VMSA-2020-0010

VMware Cloud Director updates address Code Injection Vulnerability (CVE-2020-3956)

May 08, 2020

VMSA-2020-0009.1

vRealize Operations Application Remote Collector (ARC) addresses Authentication

Intrinsic Security > [Advisories](#) > [VMSA-2020-0011](#)

VMware Security Advisories

Advisory ID	VMSA-2020-0011
Advisory Severity	Important
CVSSv3 Range	3.3-7.3
Synopsis	VMware ESXi, Workstation, Fusion, VMware Remote Console and Horizon Client updates address multiple security vulnerabilities (CVE-2020-3957, CVE-2020-3958, CVE-2020-3959)
Issue Date	2020-05-28
Updated On	2020-05-28 (Initial Advisory)
CVE(s)	CVE-2020-3957, CVE-2020-3958, CVE-2020-3959

1. Impacted Products

- VMware ESXi
- VMware Workstation Pro / Player (Workstation)
- VMware Fusion Pro / Fusion (Fusion)
- VMware Remote Console for Mac (VMRC for Mac)
- VMware Horizon Client for Mac

Sign up for Security Advisories

Enter your email address:

Subscribe

More Security Stuff...

- Security Development Lifecycle
 - <https://www.vmware.com/security/sdl.html>
- VMware Security Certifications
 - <https://www.vmware.com/security/certifications.html>

Tour Stop #3

Product Repositories



Digital Workspace Tech Zone

<https://techzone.vmware.com>

The screenshot shows the search interface for the VMware Digital Workspace Tech Zone. At the top, there is a navigation bar with links for Start, Workspace ONE, Horizon, Tools, Podcast, Blog, and Log in. Below the navigation bar is a search bar with an Advanced Search button and a magnifying glass icon. To the left, there is a 'Refine Search by' section with dropdown menus for Level (Overview, Intermediate, Advanced), Category (Activity Path, Announcement, Deep Dive, Deployment Considerations, Experts Talk, Feature Walk-through, Fundamental, Hands-on lab, Interactive Tutorial, Operational Tutorial, Opinion, Quick-Start, Reference Architecture, Technical Overview, Tool, What's New), Product (AirLift, App Volumes, Carbon Black Cloud, Dynamic Environment Manager, Horizon 7, Horizon Apps, Horizon Cloud Service, NSX for Horizon, Unified Access Gateway, Workspace ONE Access, Workspace ONE Intelligence, Workspace ONE Productivity Apps, Workspace ONE UEM), Type (Blog, Document, Podcast, Utility, Video), and Rating (★★★★★ & up, ★★★★☆ & up, ★★★☆☆ & up, ★★☆☆☆ & up). At the bottom, there are buttons for Search Tech Zone, Reset Filters, Load previous filter view, and Browse Tech Zone.

vmware DIGITAL WORKSPACE TECH ZONE

Start ▾ Workspace ONE Horizon Tools Podcast Blog Log in

Advanced Search ▾

Refine Search by

Level

- Overview
- Intermediate
- Advanced

Category

- Activity Path
- Announcement
- Deep Dive
- Deployment Considerations
- Experts Talk
- Feature Walk-through
- Fundamental
- Hands-on lab
- Interactive Tutorial
- Operational Tutorial
- Opinion
- Quick-Start
- Reference Architecture
- Technical Overview
- Tool
- What's New

Product

- AirLift
- App Volumes
- Carbon Black Cloud
- Dynamic Environment Manager
- Horizon 7
- Horizon Apps
- Horizon Cloud Service
- NSX for Horizon
- Unified Access Gateway
- Workspace ONE Access
- Workspace ONE Intelligence
- Workspace ONE Productivity Apps
- Workspace ONE UEM

Type

- Blog
- Document
- Podcast
- Utility
- Video

Rating

- ★★★★★ & up
- ★★★★☆ & up
- ★★☆☆☆ & up
- ★☆☆☆☆ & up

Search Tech Zone Reset Filters Load previous filter view Browse Tech Zone



Digital Workspace Tech Zone

<https://techzone.vmware.com>

The screenshot shows the VMware Digital Workspace Tech Zone website. The header includes the VMware logo and 'DIGITAL WORKSPACE TECH ZONE'. The top navigation bar has links for 'Start', 'Workspace ONE', 'Horizon', 'Tools', 'Podcast', and 'Blog'. On the left, a sidebar menu lists 'Introducing Tech Zone', 'Featured Content', 'Product Activity Path', 'Solution Activity Paths', 'Workspace ONE', and 'Horizon'. The main content area features an 'Introducing Tech Zone' section with a welcome message. Below it are four circular cards: 'Tech Zone Overview' (document icon), 'Reference Architecture' (cloud icon), 'Activity Paths' (graduation cap icon), and 'Blog' (speech bubble icon). The background of the main content area is white, while the sidebar and some menu items have a blue gradient.

Introducing Tech Zone

Welcome to VMware Digital Workspace Tech Zone, your fastest path to understanding, evaluating and deploying VMware End User Computing products. At Tech Zone, we've made it our mission to provide you with the resources you need, wherever you are in your digital workspace journey. For this reason, some content on Tech Zone is extremely technical and intended for digital workspace gurus. Other content is more general and intended for everyone to enjoy.

Tech Zone Overview
Introduction to our content types, tools and capabilities.

Reference Architecture
The RA is a must read for anyone considering, designing, or undertaking a digital workspace project.

Activity Paths
Discover our curated lessons for understand a product or IT initiative.

Blog
Get the latest announcements, read opinion pieces, and find out what's new in the EUC product releases.



What Can I Get from Digital Workspace Tech Zone?

<https://techzone.vmware.com/resource/welcome-vmware-digital-workspace-tech-zone>

	Technical Overviews: High level videos explaining how the technology works		Quick-Start Tutorials: Step-by-step guides for building your own proof of concept		What's New: Quick videos highlighting key release features
	Experts Talk: Videos of experts explaining a technology and its benefits		Reference Architectures: Detailed real-world deployment guides		Feature Walkthroughs: Videos that explore specific features or capabilities
	Activity Paths: Guided paths through a topic from beginner to expert		Deployment Considerations: Guides explaining need-to-know deployment info		Deep Dives: In-depth videos providing technical information about release features
	Hands on Labs: Tinker with the product for the first time in a VMware lab environment		Operational Guidance: Step-by-step guides for product operation		Blogs: Technical news, opinion pieces, and summaries

DW Tech Zone – Other Cool Stuff

Tech Zone Resources

-  Browse
-  Reference Architecture
-  Activity Paths
-  Tools
-  Podcast
-  Workspace ONE
-  Horizon

Latest Content

-  May 29, 2020 Business Continuity with VMware Horizon
[Read More](#)   Community Rating 
Your Rating 
[Rate Resource](#) [View My Ratings](#)
-  May 29, 2020 Weekly Digest for End User Computing
[Read Post](#)   
-  May 28, 2020 Network Ports in VMware Horizon 7
[Read More](#)   
 Pinned because...
This is awesome
[Pin Resource](#) [View My Pins](#)
-  May 22, 2020 Managing iOS Custom Apps: VMware Workspace ONE Operational Tutorial
[Read More](#)   
-  May 20, 2020 Secure Workspace ONE Access: AD-Synchronized Directory - Feature Walk-through
[watch Now](#)   



Welcome to Tech Zone

Make sure to check out the Reference Architecture, a must-read before starting your deployment to familiarize yourself with all things Workspace ONE and Horizon. And to get to a whole new level of understanding, take a look at our Activity Paths.

[Read More](#)

Tech Zone Activity Paths



Mastering Workspace ONE

The fastest way to learn Workspace ONE! Using articles, videos, and labs, the activity path provides curated assets to help you level-up in your knowledge.


[Start Learning](#)



Mastering Horizon 7

DW Tech Zone – Example Learning Path

Modules <

This section introduces Workspace ONE Access, formerly known as VMware Identity Manager, and its features.

Start Your Path

VMware Workspace ONE Access: End-User Experience - Feature Walk-through

This video provides a quick overview of the end-user experience using VMware Workspace ONE Access.

March 11, 2020

[Watch Now](#)

VMware Workspace ONE Access: Feature Walk-through

In this video, I'll give you an overview of VMware Workspace ONE Access and explain MobileSSO, the application catalog, and our

February 19, 2020

[Watch Now](#)

Identity and Access Management: Technical Overview

What does "identity and access management" really mean? Peter Bjork peels back the layers to examine everything that is entailed in

June 07, 2019

[Watch Now](#)

SAML 2.0: Technical Overview

This video will explain the basics of the SAML protocol, focusing on what an IT administrator tasked with setting up federation must know.

December 13, 2019

[Watch Now](#)

VMware Workspace ONE Access: Components - Feature Walk-through

This video gives you a high-level understanding of the three main components of a Workspace ONE Access implementation.

February 20, 2020

[Watch Now](#)

VMware Workspace ONE Access: System and Network Requirements

This video provides an overview of the system and network requirements of Workspace ONE Access.

March 06, 2020

[Watch Now](#)

```
graph LR; Start[Start Your Path] --- Video1[VMware Workspace ONE Access: End-User Experience]; Start --- Video2[VMware Workspace ONE Access: Feature Walk-through]; Start --- Video3[Identity and Access Management: Technical Overview]; Video1 --- Video2; Video2 --- Video3; Video3 --- Video4[SAML 2.0: Technical Overview]; Video3 --- Video5[VMware Workspace ONE Access: Components]; Video3 --- Video6[VMware Workspace ONE Access: System and Network Requirements];
```

Oh Wait...There's More!

lcast

Blog

Log in



Related Websites

Visit these other VMware sites for additional resources and content.

nsx.techzone.vmware.com

storagehub.vmware.com

vrealize.vmware.com

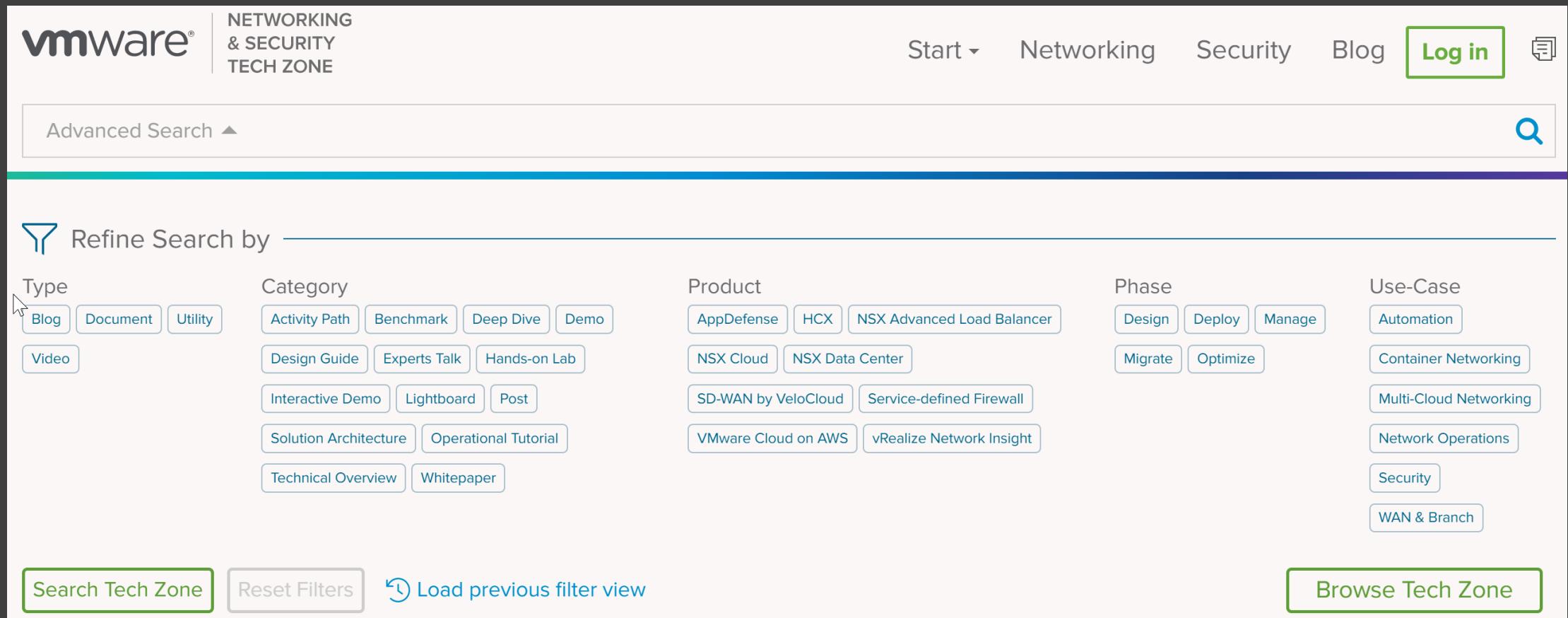
vspherecentral.vmware.com

featurewalkthrough.vmware.com

Networking and Security Tech Zone



<https://nsx.techzone.vmware.com/>



The screenshot shows the VMware Networking & Security Tech Zone search interface. At the top, there's a navigation bar with the VMware logo, "NETWORKING & SECURITY TECH ZONE", "Start", "Networking", "Security", "Blog", and a "Log in" button. Below the navigation is a search bar with "Advanced Search" and a magnifying glass icon.

Refine Search by:

- Type:** Blog, Document, Utility, Video
- Category:** Activity Path, Benchmark, Deep Dive, Demo, Design Guide, Experts Talk, Hands-on Lab, Interactive Demo, Lightboard, Post, Solution Architecture, Operational Tutorial, Technical Overview, Whitepaper
- Product:** AppDefense, HCX, NSX Advanced Load Balancer, NSX Cloud, NSX Data Center, SD-WAN by VeloCloud, Service-defined Firewall, VMware Cloud on AWS, vRealize Network Insight
- Phase:** Design, Deploy, Manage, Migrate, Optimize
- Use-Case:** Automation, Container Networking, Multi-Cloud Networking, Network Operations, Security, WAN & Branch

At the bottom, there are buttons for "Search Tech Zone" (highlighted with a green border), "Reset Filters", "Load previous filter view", and "Browse Tech Zone".

Networking and Security Tech Zone

<https://nsx.techzone.vmware.com/>

Latest Content

May 23, 2020
Multi-cloud Kubernetes with Tanzu Service Mesh and Tanzu Mission Control
 Watch Now  Tags  ★★★★★

May 01, 2020
Demo of VMware NSX-T Migration Coordinator
 Watch Now  Tags  ★★★★★

April 30, 2020
Demo of NSX Distributed IDS/IPS
 Watch Now  Tags  ★★★★★

April 30, 2020
Overview of the Distributed IDS/IPS - Lightboard
 Watch Now  Tags  ★★★★★

April 28, 2020
PKS and PAS Reference Design Guide for NSX-T
 Read More  Tags  ★★★★★

Tech Zone Activity Paths

 Start Learning Master NSX-T
The fastest way to learn about VMware NSX-T Data Center! Using articles, videos, and labs, the activity path provides curated assets to help you level-up in your knowledge.
★★★★★ 

 Start Learning Master Network Automation
Capitalize on the Power of Network Automation with NSX. Accelerate App Delivery with NetworkAutomation.
★★★★★ 

 Start Learning Master Kubernetes with NSX
Deliver native networking and security for containerized workloads that brings consistent and automated policy across application frameworks, platforms, sites, and cloud
★★★★★ 

 Start Learning Understand Network Operations and latest update from NSX-T 3.0
Introduction to Network Operations and latest update from NSX-T 3.0
★★★★★ 

StorageHub

<https://storagehub.vmware.com/>

The screenshot shows the StorageHub website with a dark header bar. The VMware logo is at the top left, followed by the text "Cloud Foundation and Storage Documents and Demos". A search bar with a placeholder "Search Site..." is below the header. The main content area has a light gray background. It features a section titled "Categories" with four colored cards: green for VMware vSAN, blue for Site Recovery Manager, dark blue for vSphere Storage, and white for VMware Cloud Foundation. Below these are two additional sections: "Community Provided Storage & Availability Code Samples" and "Community Provided Storage & Av...".

vmware®

Cloud Foundation and Storage Documents and Demos

Q Search Site...

Categories

 VMware vSAN

 Site Recovery Manager

 vSphere Storage

 VMware Cloud Foundation

 VMWARE {code}™

Community Provided
Storage & Availability
Code Samples

Community Provided Storage & Av...

StorageHub – vSAN Goodness

Plan and Design

Technical Information to help you design a vSAN environment.

All Flash vSAN ReadyNode Sizer

Categories



VMware® vSAN™ Design and Sizing Guide

An overview of VMware® vSAN™ Design and Sizing Guide. Now featuring 6.7 recommendations.

6.5 vSAN Design Sizing 6.6 6.7



VMware® vSAN™ Network Design

This paper gives a technology overview of vSAN network requirements and provides vSAN network design and configuration best practices for deploying a highly available

Network vSAN Design Multicast networking guide



vSAN Stretched Cluster Bandwidth Sizing

The purpose of this document is to explain how to size bandwidth requirements for VMware® vSAN™ in Stretched Cluster configurations.

Stretched Cluster Witness Network Bandwidth



vSAN Features by Version

This table shows each vSAN version and the features included (irrespective of licensing).

StorageHub – More vSAN Goodness

Learn and Evaluate

An in-depth view into vSAN's revolutionary features and technologies.

vSAN Hands-on Lab



Categories



What's New in vSAN 7

A 12-minute video covering the new features and benefits in vSAN 7.



vSAN 7 Technical Overview

A 27-minute video that provides a technical overview of VMware vSAN 7.



vSAN Frequently Asked Questions (FAQ)

VMware vSAN frequently asked questions.

The grid contains the following items:

- vSAN 7 Proof of Concept Guide**: A card with a globe icon, titled "vSAN 7 Proof of Concept Guide". It includes a "POC" button and categories "vSAN", "Proof of Concept", and "HCI".
- vSAN Stretched Cluster Guide**: A card with a server icon, titled "vSAN Stretched Cluster Guide". It includes a "6.5" button and categories "Stretched Cluster", "Witness", "6.2", "vSAN", "6.6", and "6.1".
- vSAN 2 Node Guide**: A card with a server icon, titled "vSAN 2 Node Guide". It includes a "2 Node" button and categories "vSAN", "ROBO", "remoteoffice", "Edge", and "Remote Office".
- Tech Notes**: A card with a monitor icon, titled "Tech Notes". It states: "A collection of technical white papers that provide deeper coverage of features and benefits."
- vSAN Performance Evaluation Checklist**: A card with a chart icon, titled "vSAN Performance Evaluation Checklist". It states: "This is a standalone checklist intended to ensure that recommended practices are followed during the evaluation of the performance of vSAN."
- vSAN 6.7 U 3 Proof of Concept Guide**: A card with a server icon, titled "vSAN 6.7 U 3 Proof of Concept Guide". It includes a "6.7" button and categories "POC", "vSAN", "Proof of Concept", and "HCI".
- vSAN 6.7 Update 3 Technical Overview**: A card with a blue and green graphic icon, titled "vSAN 6.7 Update 3 Technical Overview". It states: "This is a technical overview of vSAN 6.7 Update 3."
- Archive**: A card with a monitor icon, titled "Archive". It states: "Archived collateral from previous versions of the product."

vSpeaking Podcast vSAN Episodes -

<https://www.vspeakingpodcast.com/episodes?tag=vSAN>

StorageHub - SRM



Podcasts

SRM Podcasts

Categories



vSphere Replication

VMware vSphere Replication is a hypervisor-based, asynchronous replication solution for vSphere virtual machines.



Site Recovery Manager FAQ

Frequently asked questions and answers about Site Recovery Manager



SRM 8.3 Technical Overview

A technical walkthrough of the features and capabilities of Site Recovery Manager (SRM) 8.3



SRM Evaluation Guide

Guide for IT professionals to evaluate the primary features and benefits of using SRM to automate planned migration and disaster recovery workflows for applications and services running in VMs.



SRM Performance and Best Practices

The goal of this white paper is to provide you with SRM performance data and recommendations so that you can architect an efficient recovery plan that minimizes the recovery time for your environment



Stretched Clusters & VMware Site Recovery Manager

The purpose of this paper is to clarify some of the concepts involved with vSphere site availability, and to help understand the use cases for these availability solutions in the vSphere landscape.



Site Recovery Manager Demonstrations

Videos and click-through demos showing the features and benefits of Site Recovery Manager.



VMware Site Recovery Technical Overview

Technical overview of the features and capabilities of VMware Site Recovery for VMC on AWS.



Supplementary Resources

VMworld sessions, blogs, webinars, VMUGs, etc supplemental resources



VMware Site Recovery Evaluation Guide

Guide for IT professionals to evaluate the primary features and benefits of using VMware Site Recovery for VMware Cloud on AWS

StorageHub – vSphere Storage

vSphere 6.7 Core Storage

New features, changes and additions to core storage in vSphere 6.7

★★★★★

[EXPORT TO PDF](#)

Playlists

Core Storage Whitepaper
This whitepaper describes in detail the various features of the vSphere 6.7 Core Storage.

- 1 Configurable UNMAP
- 2 UNMAP for SESparse
- 3 Support for 4Kn HDDs
- 4 LUN/Paths limit increase 1K/4K
- 5 XCOPY Enhancements
- 6 vVols support for IPv6 and SCSI-3 Reservations
- 7 VMFS-3 EOL

vSphere Storage

Storage topics fundamental to vSphere and ESXi including information about vVols, VMFS, NFS, iSCSI, and other storage enhancements.



Categories

- Virtual Volumes**
Technical resources for Virtual Volumes (vVols) content.
- vSphere Storage Demonstrations**
vSphere Core Storage Demonstrations
- vSphere External Storage**
This section contains guides that focuses on the new features, capabilities and best practices of vSphere storage.
- Supplementary Resources**
VMworld sessions, blogs, webinars, VMUGs, etc supplemental resources

StorageHub – Cloud Foundation

Categories

Concepts
Learn about the design and conceptual animation about the VMware Cloud Foundation

Automating Operations
Learn how Cloud Foundation simplifies and automates the operation of your SDDC

More Resources
A detailed guide on all the resources of VMware Cloud Foundation

Deploy  Learn how to deploy VMware Cloud Foundation on SDDC

Solutions
Learn more about the solutions provided by VMware Cloud Foundation

Journeys Made Just for You

Focus

- Concepts
- Containers
- Deployment
- Operations
- Solutions

VCF Overview 

Initial Implementation 

Expanding your VCF environment 

Managing your VCF implementation 

Updating and upgrading your VCF environment 

Deploying Enterprise PKS on VCF 

Deploying VMware Horizon on VCF 

Deploying VMware Horizon on VCF

Product Walkthroughs

<https://featurewalkthrough.vmware.com/>



Playlists

Manage and Scale NSX

- Intuitive UI, natural language search to quickly pinpoint issues
- Best practice deployment and

[See More](#)

- 1 Demo: Optimizing VMware NSX with VMware vRealize Network Insight
- 2 vRealize Network Insight: Network Health and Visibility

[visibility](#)

Optimize and Troubleshoot Virtual & Physical Networks

- Virtual and physical network topology mapping
- Performance optimization across

[See More](#)

- 1 vRealize Network Insight: Troubleshooting VM to VM paths

[visibility](#)

Plan Application Security and Migration

- Comprehensive netflow assessment and analysis to model security groups and firewall

[See More](#)

- 1 vRealize Network Insight: Accelerating Micro-segmentation
- 2 Application Discovery with VMware vRealize Network Insight

[security](#)

Cloud Network and Security Operations

vRealize Network Insight and Network Insight VMware Cloud Service can help plan application

[See More](#)

- 1 Azure Public Cloud Overview and Demo
- 2 Simplify Cloud Network and Security Operations with VMware Network Insight

[cloud-ops](#)

Demo Zone

Network Insight is meant to be seen. This playlist has a bunch of demo videos, where

[See More](#)

- 1 Using Machine Learning to Discover Applications
- 2 vRealize Network Insight Integration with vRealize Operations
- 3 vRealize Network Insight Cloud - Onboarding VMware Cloud on AWS

[VMC on AWS](#) [Install](#) [Walkthrough](#)

Search Posters

Get quickly up to speed with using the Search Engine for specific topics, with these Search Posters.

[See Less](#)

- 1 Kubernetes Search Poster
- 2 SD-WAN & VeloCloud Search Poster
- 3 NSX-T Search Poster

[search](#) [kubernetes](#)

[search](#) [sdwan](#) [velocloud](#)

Product Walkthroughs – vRNI and vROps

<https://featurewalkthrough.vmware.com/>

The screenshot shows the vRealize Network Insight Integration with vRealize Operations interface. The main title is "vRealize Network Insight Integration with vRealize Operations". The left sidebar lists "Related Objects" including NSX-vSphere Edge F, vSphere Distributed I, NSX-vSphere Edge N, NSX-vSphere Edge L, NSX-vSphere Edge R, Virtual Machine, NSX-vSphere Logical, Datastore, NSX-vSphere Logical, NSX-vSphere Edge, Environment, vSphere Distributed I, NSX-vSphere Enviror, vCenter Server, Universe, vSphere World, vSphere Distributed :, and Datacenter. The "3TierApp01-Edge" object is selected. The top navigation bar includes Home, Dashboard, Alerts, Environment, Administration, TROUBLESHOOT, Watch later, and Share.

The central area displays a summary for "3TierApp01-Edge". It shows a circular icon with the number "1" indicating one object. A red circle highlights this number. To the right, a legend shows alert counts: Critical (1), Immediate (0), Warning (0), Normal (0), and Unknown (0). Below the legend is a table of alerts:

Name	Alert	Alert Type	Alert Sub... Time	Suggested Fix	Action
3TierApp01-Edge	vRNI-One or more BGP neighbours are not in established state.	Network Alerts	Config... 02/04/201...		

On the right side, there is a detailed view for "3TierApp01-Edge" with the following information:

Object Type	NSX-vSphere Edge
CPUProvisioned	2.3 GHz
CPUUsed	174.53 MHz
DiskProvisioned	544.57 MB
DiskUsed	397.87 MB
MemoryProvisioned	512 MB
MemoryUsed	344 MB

At the bottom, there is a video player showing "1:25 / 4:27" and a progress bar. The video player also includes "MORE VIDEOS", a play button, volume control, and a timestamp of "1 - 1 of 1 items".

vRealize Suite Walkthroughs

<https://vrealize.vmware.com/>

Categories



vRealize
Suite

Discover the VMware vRealize Suite



vRealize
Operations

vRealize Operations



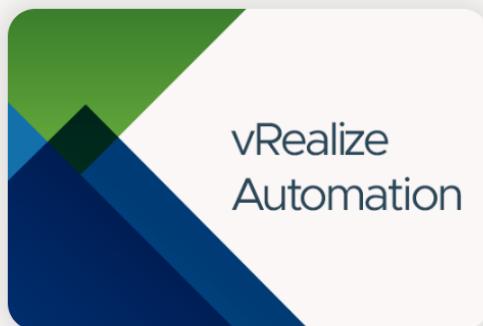
vRealize
Log Insight

vRealize Log Insight



vRealize
Network Insight

vRealize Network Insight



vRealize
Automation

vRealize Automation



vRealize Operations
Sample Exchange

vRealize Operations Sample Excha...



vRealize Network Insight
Sample Exchange

vRealize Network Insight Sample E...

vRealize Suite Walkthroughs

<https://vrealize.vmware.com/>

vRealize Operations

Learn about vRealize Operations, including what's new in the latest release, product tours, evaluation guides and more.

Categories



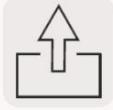
vRealize Operations Features and Capabilities

Get a guided tour of vRealize Operations features and capabilities.



Management Packs

Expand the already awesome capabilities of vRealize Operations with Management Packs.



Why Upgrade to vRealize Operations Advanced or vRealize Suite Standard

See what you gain by upgrading from vRealize Operations Standard (including vSOM customers!) to vRealize Operations Advanced (also included in vRealize Suite Standard).



Additional Learning

Find videos, whitepapers, and blogs.

VMware Solution Exchange

<https://marketplace.vmware.com/vsx/>

- A place to find solutions that complement, integrate, or interoperate with VMware solutions
- Examples
 - VMware / third party management packs for vROps
 - Endpoint devices (thin clients) and [peripherals](#) for use with Horizon
 - Software that integrates with VMC on AWS

vSphere Central

<https://vspherecentral.vmware.com/>

vmware®

vSphere Central

Categories



vSphere 7

vSphere 7



vSphere Upgrade

vSphere Upgrade



vCenter Server

vCenter Server



ESXi &
Virtual Machines

ESXi Host and Virtual Machine



Security &
Compliance

Security & Compliance



Resource Management
& Availability

Resource Management and Availab...



Developer &
Automation

Developer and Automation Interfac...



Hardware
Acceleration

Hardware Acceleration

vSphere Central

<https://vspherecentral.vmware.com/>

Playlists

vSphere Upgrade: The Inside Track - Video Series

This video series is focused on covering the steps of the vSphere Upgrade Process.

- 1 vSphere Upgrade: The Inside Track - Part 1: vSphere News
- 2 vSphere Upgrade: The Inside Track - Part 2: Pre-Upgrade Considerations
- 3 vSphere Upgrade: The Inside Track - Part 3: The Upgrade Process
- 4 vSphere Upgrade: The Inside Track -

Pre-Upgrade Considerations

- 1 Release Notes
- 2 eBook: Upgrading to vSphere 6.7
- 3 Interoperability Matrices
- 4 VMware Knowledge Base

Platform Services / vCenter Server Upgrade

Topics related to upgrading Platform Services and vCenter Server

- 1 Walkthrough: Upgrading vCenter Server 6.5 to vCenter Server 6.7
- 2 Walkthrough: Upgrading vCenter Server 6.5 to vCenter Server 6.7 using VCSA CLI
- 3 Walkthrough: Windows vCenter Server 6.5 Embedded Migration to VCSA 6.7

ESXi Host Upgrade

VMware Tools and VM Compatibility Upgrade

VMFS Upgrade

vSphere Central

<https://vspherecentral.vmware.com/>

vmware®

Home > vCenter Server > Configuration and Day 2 Operations > Understanding vSphere Health

Understanding vSphere Health

★★★★★

vSphere Health

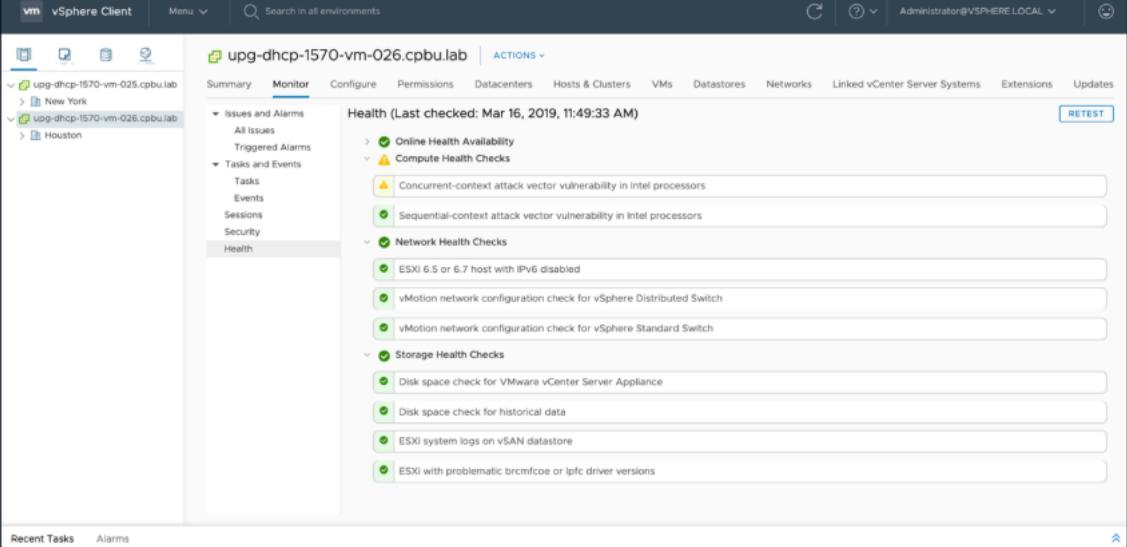
What's new in vSphere 6.7 Update 2

- Notifications & Alarms
 - New Issues Detected Alarm
 - Customizable Alarms
- Health Categories
 - Online Availability
 - Compute
 - Network
 - Storage

ADDITIONAL NOTES

vSphere Health works to identify and resolve potential issues before they have an impact on a customer's environment. Telemetry data is collected from the vSphere environment then used to analyze pre-conditions within customer environments.

Learn
More: <https://blogs.vmware.com/vsphere/2019/01/understanding-vsphere-health.html>



vSphere 7
<https://blogs.vmware.com/vsphere/vsphere-7>

VMware vSphere Blog

VSPHERE 7

CATEGORIES

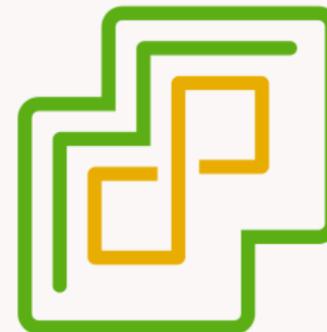
LEARNING

SOCIAL

VSPHERE 7

vSphere 7 delivers the essential services for the modern hybrid cloud. It powers the computing environment for modern applications, AI/ML, and business critical applications. Applications can be deployed using any combination of virtual machines, containers, and Kubernetes. vSphere 7 with Kubernetes, available through [VMware Cloud Foundation](#), delivers VMware Cloud Foundation Services and application-focused management for streamlined development, agile operations, and accelerated innovation.

This page serves as a curated reference to keep the most important vSphere 7 materials in one easy-to-find location. Resources will be added to this page as they are published. Please consider bookmarking this page or using the shorturl of <http://vmw.re/vsphere7>.



VMware Cloud

<https://cloud.vmware.com/>



VMware Cloud on AWS

Accelerate cloud migration to consistent vSphere-based infrastructure, delivered on AWS, the world's leading public cloud.

[LEARN MORE](#)



VMware Cloud on AWS GovCloud

A secure platform for government agencies to access the benefits of public and private clouds.

[LEARN MORE](#)



VMware Cloud on AWS Outposts

Bringing fully-managed AWS on-premises infrastructure to your data center, as a service.

[LEARN MORE](#)



VMware Cloud on Dell EMC

As-a-Service that combines VMware compute, storage, and networking software developed with Dell EMC's VxRail hyper-converged infrastructure.

[LEARN MORE](#)



Horizon Cloud

A service that enables the delivery of cloud-hosted virtual desktops and apps to any device, anywhere

[LEARN MORE ↗](#)



Horizon 7 on VMware Cloud on AWS

A seamlessly integrated hybrid cloud for virtual desktops and applications

[LEARN MORE ↗](#)



VMware Tanzu Observability by Wavefront

Monitoring and analytics platform for modern cloud-native applications

[LEARN MORE ↗](#)



VMware HCX

App mobility and infrastructure hybridity across any vSphere clouds

[LEARN MORE](#)

CloudHealth

Accelerate business transformation with the trusted enterprise and Managed Service Provider multi-cloud management platform.

[LEARN MORE ↗](#)



VMware vRealize Network Insight Cloud

Network visibility and security planning for hybrid clouds

[LEARN MORE](#)



VMware vRealize Log Insight Cloud

Intelligent SaaS-based logging for operational visibility and faster troubleshooting across clouds.

[LEARN MORE](#)



VMware Cloud Providers

Formerly vCloud Air Network; a global ecosystem of cloud providers

[LEARN MORE ↗](#)

VMware Cloud Product FAQs

General

Pricing & TCO

Credit Card Payment

COVID-19 Business Continuity

Industry & Compliance

Support

Single Host SDDC

2-Host SDDC Cluster

VMware Site Recovery

Workload Migration

Compute

Stretched Clusters for VMware Cloud on AWS

Elastic DRS

Storage

Networking

Hybrid Linked Mode

Service Operations

Third Party Technology Solutions

API Automation

VMWare Cloud Director service

VMware Tanzu Kubernetes Grid Plus

VMware Horizon 7 on VMware Cloud on AWS

VMware vRealize Automation Cloud

VMware vRealize Operations Cloud

vRealize Log Insight Cloud

vRealize Network Insight Cloud

Onboarding

Search 

General

What is VMware Cloud on AWS?

Where is VMware Cloud on AWS available today?

What are the features included in VMware Cloud on AWS?

Can workloads running in a VMware Cloud on AWS SDDC integrate with AWS services?

How do I sign up for the service?

How does VMware protect customer data in VMware Cloud on AWS?

What VMware SDDC products do I need to have on-premises for VMware Cloud on AWS?

Is there localized language support for the international regions?

Where can I get more details, such as security, analytics, subscriptions, and service operations, about VMware Cloud on AWS service?

VMware Cloud Community

<https://cloud.vmware.com/community/>

- Join the Slack

Sign up to our Newsletter.

Stay ahead of the curve with the latest technical how-to's, industry events, cloud news and more.

I understand that any information I provide will be treated in accordance with the [VMware Privacy Policy](#)

[STAY INFORMED](#)

Join the conversation on Slack

 slack

Come talk cloud with us.

[START SLACKING](#)

- Sign up for the newsletter

Welcome to the VMware Cloud Community



Stay in the loop with all the latest tips, industry news and cloud discussions to streamline your journey to the cloud.

Blog Posts

[FEATURED POSTS](#) [LATEST POSTS](#)

 Expand your Multi-Cloud Strategy with Google Cloud VMware Engine

Originally posted on VMware Cloud Provider Blog Announcing Google Cloud VMware Engine We ...

FRANKLIN NGUYEN 14 May 2020

 VMware Cloud on AWS – 2-Host Cluster Capability now in Preview!

The new 2-host cluster capability for VMware Cloud on AWS is released in preview for all commercial ...

Discussions

[RECENT DISCUSSIONS](#) [ACTIVE DISCUSSIONS](#)

[ABX] Post Deployment Info to Slack using Webhook or OAuth

[BLOG] Using Blueprint Options in Cloud Assembly (SKKB1051)

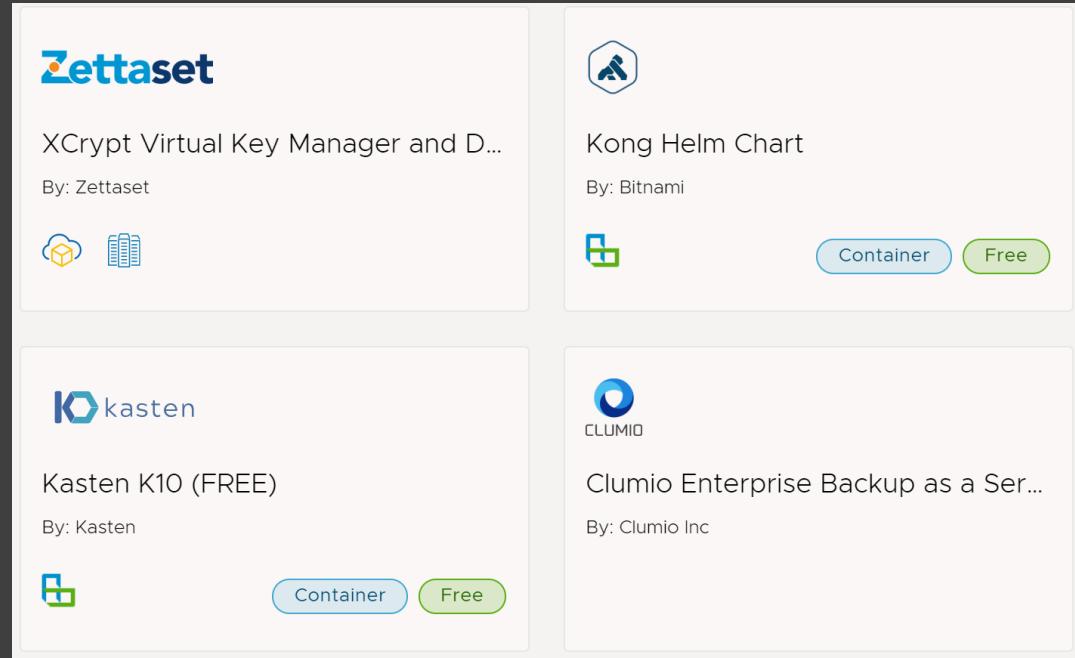
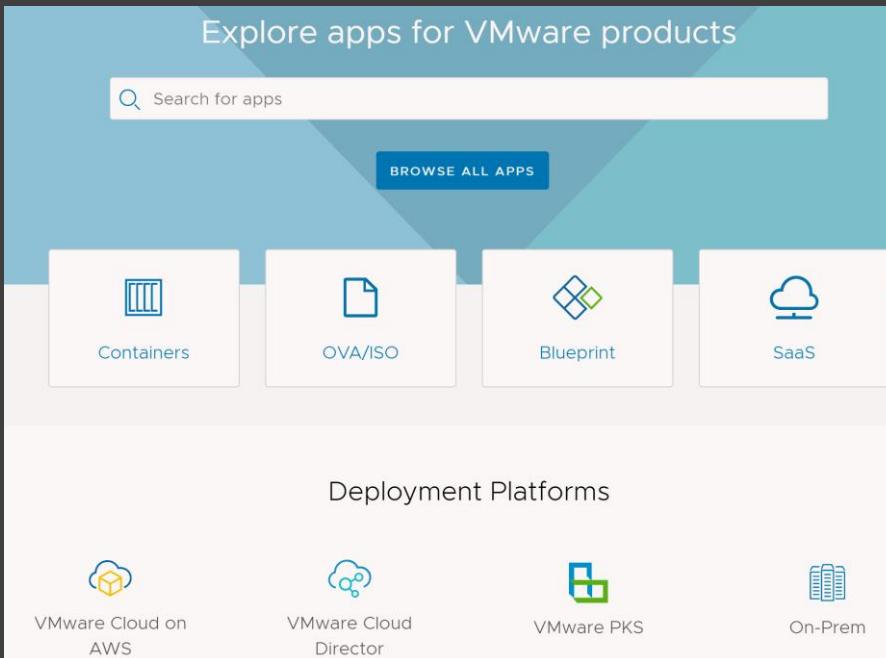
VMWonAWS SDDC to SDDC Migrations with HCX Demo

VM physical disk placement information on VMC vSAN

VMware Cloud Marketplace

<https://marketplace.cloud.vmware.com/>

- Third-party solutions and services, designed and tested to run on VMware-based clouds (public / private / hybrid)



- Cloud Marketplace Blog -
<https://cloud.vmware.com/community/vmware-cloud-marketplace/>

The Tanzu Portfolio

<https://tanzu.vmware.com/>

The screenshot shows the VMware Tanzu website homepage. The header includes the VMware Tanzu logo, a navigation bar with links for Why Tanzu, Products, Services, Customers, Resources (which is currently selected), Contact Us, Support, Sign In, and a search icon. Below the header, a large banner features the text "Free your apps. Simplify your ops." over a background grid pattern. A blue button labeled "WHY TANZU" is visible. On the right side, a white callout box is open from the "Resources" menu, listing Content Library, Technical Resources, Blogs, Tech Insights, Open Source, Webinars, Events, and Partners. Below this, another callout box for "Pivotal Labs" states: "Work with our teams to develop better products faster." with a green and blue stylized logo.

vmware® Tanzu

Why Tanzu Products Services Customers Resources Contact Us Support Sign In Q

Free your apps.
Simplify your ops.

WHY TANZU

Content Library

Blogs

Tech Insights

Open Source

Webinars

Events

Partners

Technical Resources

Developer Center

App Modernization Recipes

Downloads

Knowledge Base

Documentation

Advocates

Pivotal Labs

Work with our teams to develop better products faster.

The Tanzu Content Library

<https://tanzu.vmware.com/content-library>

Content Library eBooks Webinars Analyst Reports White Papers Podcasts Videos Slides



READING LIST

Developer Resources

READING LIST

IT Operator Resources

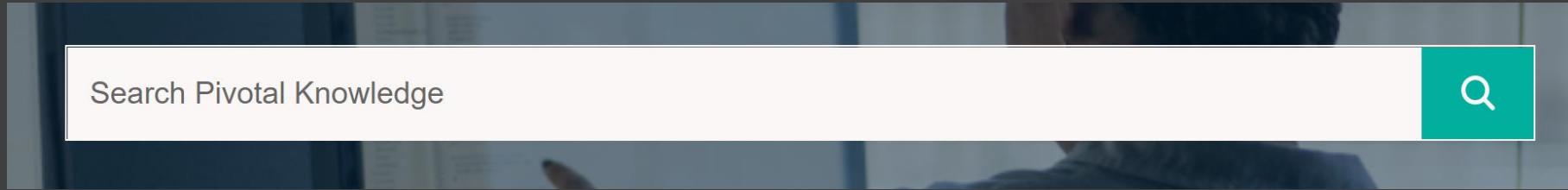
READING LIST

IT Leader Resources

READING LIST

Product Support Resources

Pivotal Knowledge Base



- Now that Pivotal is part of VMware, several links have changed. Both support.pivotal.io and pivotal.io/support now redirect to tanzu.vmware.com/support. Click [here](#) for additional information.

Tanzu Observability (Wavefront) Docs

<https://docs.wavefront.com/>

The screenshot shows the homepage of the Wavefront Documentation site. The left sidebar contains a navigation menu with the following items:

- Wavefront Quickstart
- Release Notes
- Data
- Charts & Dashboards
- Query Language
- Alerts & Events
- Integrations
- Kubernetes
- Spring Boot
- Distributed Tracing
- API, SDKs, and CLI
- Administration
- Videos

The main content area features a title "Wavefront Documentation" and a welcome message: "Welcome to the Wavefront documentation site!". Below this is a bulleted list of recommendations for new users:

- New users often start with [What is Wavefront?](#).
- Even if you don't read docs, check out the [Query Language Reference](#) or individual reference pages
- If you're a developer:
 - Find our REST APIs on the VMware {code} website [↗](#) or directly from inside the product.
 - Look at our public [GitHub repositories](#) ↗
- Doc Feedback? Use the button in the top right or do a PR in our [Wavefront docs github repo](#) ↗

Below the recommendations, there's a note: "You can explore the documentation in the nav bar hierarchy on the left. Each topic also has one or more labels that offer a non-hierarchical way to browse. Click the buttons below to view all topics with that label." The page then displays eight cards, each representing a label:

Label	Description
Getting Started	Get data into Wavefront, visualize them, and learn more!
Videos	View demonstrations of Wavefront features and use cases.
All Integrations	Scripts create doc for each integration from the Setup tab. Here are links to each page.
Kubernetes	Wavefront and Kubernetes info & videos.
Charts	Learn how to display your data and events in charts.
Dashboards	Learn how to organize your charts in dashboards.
Alerts	Learn about alerts and how to integrate alerts and notifications.
Query Lang. Reference	List of all functions (and some links to get you started).

Bitnami

<https://docs.bitnami.com/>



Community

More than 150 applications, servers and language runtimes packaged for your favorite platforms. Join a community of millions of developers and find out how easy is to get started!

[Bitnami Community Catalog](#)

Run any application in any environment

[Documentation](#)

Articles and guides to deploy and manage applications



Enterprise

Curate a custom catalog of open source containers, packaged for Kubernetes and delivered to your repository with VMware Tanzu Application Catalog

[VMware Tanzu Application Catalog](#)

Learn how you can streamline development with a continuously maintained catalog of open source components and applications.

CloudHealth

<https://www.cloudhealthtech.com/resources>

A screenshot of the CloudHealth Resource Center homepage. The top features a large teal banner with the word "RESOURCE CENTER" in white. Below it is a purple header bar with the text "Home > CloudHealth Training". The main content area has a light gray background. On the left, there are two filter sections: "Type" and "Topic". The "Type" section includes buttons for "All", "Analyst Report", "Blog", "Case Study", "Solution Brief", "Video", and "Webinar". The "Topic" section includes buttons for "All", "AWS", "Azure", "Company & Culture", "Data Center", "GCP", "Governance", "Integrations", "Performance", "Security", and "Usage". To the right of these filters is a section titled "About CloudHealth Academy" with a teal horizontal bar underneath. It contains text about the academy's benefits and a bulleted list of three items. At the bottom right is a red button labeled "ACCESS CLOUDHEALTH ACADEMY".

Type: **All** Analyst Report Blog Case Study
Solution Brief Video Webinar

Topic: **All** AWS Azure Company & Culture
Data Center GCP Governance Integrations
Performance Security Usage

About CloudHealth Academy

CloudHealth Academy enables you to tap into the collective knowledge of our cloud experts to get the most benefit from the platform to:

- Maximize ROI from the CloudHealth platform and your multi-cloud environment
- Leverage industry benchmarks and established best practices
- Drive engagement and increase stakeholder buy-in across your business

ACCESS CLOUDHEALTH ACADEMY

*To access CloudHealth Academy, log in to the CloudHealth platform, and navigate to the Help Center dropdown menu.

VMware SD-WAN by VeloCloud

<https://www.velocloud.com/sd-wan-resources>

- SD-WAN 360 Podcast
 - <https://www.velocloud.com/sd-wan-resources/podcasts/sd-wan-360>
- SD-WAN Webinars
 - <https://www.velocloud.com/sd-wan-resources/webinars>
- Solution overviews / datasheets
 - <https://www.velocloud.com/sd-wan-resources/briefs>
- eBooks
 - <https://www.velocloud.com/sd-wan-resources/ebooks>



Carbon Black

<https://www.carbonblack.com/>

vmware® Carbon Black

LEARN

[Resource Library >](#)

[Webinars >](#)

[Customer Success Stories >](#)

[Threat Research >](#)

[Definitions >](#)

[Open Source Tools >](#)

ONBOARDING

[Training >](#)

[Services >](#)

[Support](#) A Community for Everyone

Product

USER EXCHANGE

User Exchange

This online customer community connects you with security professionals from around the globe so you can learn, collaborate, and share best practices to stay ahead of the adversary. Discuss product capabilities, industry challenges, and how to overcome the latest threats with Carbon Black customers and partners.

[Visit the User Exchange →](#)

CONNECT

[Community >](#)

[Blog >](#)

vmware® DEFENDERS

Defenders

Our VIP customer advocacy program provides an opportunity for our most active customers to access exclusive activities and rewards with VMware Carbon Black. Members of the program can participate in various activities, from thought leadership opportunities, directly providing feedback on products, sharing best practices and more.

[Learn More About the Defenders →](#)

/DEVELOPERS

Developer Network

Visit the Developer Network to learn more about VMware Carbon Black's open APIs. We believe the key to an effective security strategy is providing open APIs so customers, partners, and other vendors can tightly integrate with our solutions.

[Visit the Developer Network →](#)

Tour Stop #4

The World as Your Playground

VMware Hands-on Labs

<https://labs.hol.vmware.com/HOL/catalogs/catalog/all>



HOL-1911-01-SDC - What's New in VMware vSphere 6.7

Explore the new features of vSphere 6.7 that provide simplified management at scale, comprehensive security, a universal platform for apps, and a seamless hybrid cloud experience.

This lab is available in [English](#), [日本語](#), [简体中文](#), [Português](#), [Français](#), [Deutsche](#), [Español](#), [한국어](#).

Lab Modules

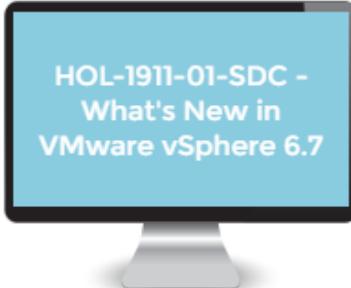
#	Title	Time	Level
1	vSphere 6.7 Overview	15	B
2	Simple & Efficient Management at Scale	60	B
3	Comprehensive Built-in Security	60	B
4	Universal Application Platform	15	B
5	Seamless Hybrid Cloud Experience	15	B

A Module Time can be either 15, 30, 45 or 60 Minutes in Length.
A Module Level can be either Beginning, Intermediate, or Advanced.
[Close](#)

[ENROLL](#)

LAB DETAILS

Time Limit: **1 hour 30 minutes**
Valid Period: **2 hours**
Exit Allowed: **No**
End Allowed: **Yes**
Manual Languages: [Deutsch](#), [한국어](#), [Português \(Brasil\)](#), [日本語](#), [English](#), [Français](#), [Español](#), [简体中文](#)



VMware Hands-on Labs – Hidden Gems

<https://labs.hol.vmware.com/HOL/catalogs/catalog/all>

KEY FEATURES

Simple and Efficient Management at Scale

- Enhanced vCenter Server Appliance Performance
- vSphere Quick Boot
- Single Reboot Upgrade
- Support for 4k Native Storage

Comprehensive Built-in Security

- Integration with Trusted Platform Modules 2.0 (TPM) and vTPM
- Virtual Based Security (VBS)
- Encrypted, Cross vCenter vMotion (xVC vMotion)

Universal App Platform

- Enhancements for Nvidia GRID vGPUs
- vSphere Persistent Memory (PMEM)
- Instant Clone

Seamless Hybrid Cloud Experience

- Hybrid Linked Mode
- Per-VM EVC

YOU HAVE FINISHED MODULE 1!



Click to enlarge

Congratulations on completing Module 1!

To review more info on the new features please use the links below:

- [What's New in vSphere 6.7 Whitepaper](#)
- [vSphere 6.7 On YouTube](#)
- [Mike Foley's Blog - ESXi & TPM](#)
- Or use your smart device to scan the QR Code.

INTEGRATION WITH TRUSTED PLATFORM MODULES

A Trusted Platform Module (TPM) is a computer chip/microcontroller that can securely store artifacts used to authenticate the platform (your PC or laptop). These artifacts can include measurements, passwords, certificates, or encryption keys. A TPM can also be used to digitally sign content and store platform measurements that help ensure that the platform remains trustworthy. The [Trusted Computing Group](#) has a detailed overview of what a TPM is and does.

Since ESXi 5.x, ESXi has had support for TPM 1.2. Prior to 6.7 the APIs and functionality of TPM 1.2 was limited to 3rd party applications created by VMware partners.

VMware Hands-on Labs – Lightning Strikes!

<https://labs.hol.vmware.com/HOL/catalogs/catalog/all>



HOL-2010-91-SDC - vSphere Distributed Switch - Lightning Lab

Explore the features of the vSphere Distributed Switch (vDS) by creating a new vDS and migrating a running virtual machine from an existing vSphere Standard Switch.



Lab Modules

#	Title	Time Level
1	Working with the vSphere Distributed Switch	30 B

A Module Time can be either 15, 30, 45 or 60 Minutes in Length.

A Module Level can be either Beginning, Intermediate, or Advanced.

[Close](#)

[INVITE A FRIEND](#)

[ENROLL](#)

TestDrive – A Step Beyond HOLs

<https://www.vmwdemo.com>

<https://kb.vmtestdrive.com>

- Free for VMUG Advantage Members
- Free for partners
- Free for customers...by invitation only

vmware® TESTDRIVE

Start Exploring

Experience VMware's world-class products and solutions with TestDrive! Sign up for instant hands-on access to a globally available, high performance and integrated environment.

GET STARTED!

TestDrive – What Can You Do Here?

<https://www.vmwdemo.com>

<https://kb.vmtestdrive.com>

TestDrive Overview

Digital Workspace Product Walkthroughs

Accelerate Cloud Journey

Networking and Security Product
Walkthroughs

Industry-Specific Walkthroughs

Discover the industry-specific VMware products and features configured in TestDrive.

Finance

[iOS - Financial Services Customer Kiosk](#)

[Shared Multi-User iOS Devices in Financial Services](#)

[Android - Samsung Knox](#)

Government

[Remotely Manage and Monitor Desktops for Disaster Recovery and Continuity of Operations](#)

[Deliver High Performance Applications to Mobile Devices](#)

[Mobilizing First Responders](#)

[Securely Mobilizing Government Employees](#)

VMware Learning Zone

<https://www.vmware.com/education-services/learning-zone.html>

- [New Additions to VMware Learning Zone](#)
- <https://blogs.vmware.com/education>

Subscription Options

■ Basic Learning Subscription

Free way to see what the Learning Zone has to offer:

- 25+ eLearning courses
- 100+ instructional videos
- 365 days, 24/7 access

■ Standard Learning Subscription

All content of Trial Learning Subscription PLUS:

- 340+ instructional videos and walkthroughs
- 365 days, 24/7 access

■ Premium Learning Subscription

All features of the Standard Learning Subscription PLUS:

- 30+ hours of Exam Prep review content
- 365 days, 24/7 access

■ Enterprise Learning Subscription

All features of the Premium Learning Subscription PLUS:

- Full access to 20+ On Demand Courses and practice labs
- 365 days, 24/7 access
- Minimum purchase required

■ Certification Exam Prep

Comprehensive review of certification exam objectives

- Guided review of each exam topic by VMware® experts
- 180 days, 24/7 access

■ On Demand Courses

Online courses equivalent to classroom training

- 24/7 access to 20+ self-paced courses with practice labs
- Meets certification course requirements where applicable

■ VMware Lab Connect™

Same labs as used in classroom training

- 20+ comprehensive Lab Connect courses
- 24/7 access for 30 days or 30 hours, whichever comes first
- Included with On Demand Courses and available as a separate purchase

Features/Benefits

- Learning options range from short videos on the latest hot topics to full On Demand Courses

- Subscriptions for individual learners up to enterprise-level customers who need to train global teams

- Content spans the VMware portfolio including VMware NSX, vRealize Suite, vSphere and more

- Builds troubleshooting, configuration, and deployment skills for VMware solutions

- Highly focused certification Exam Prep courses

- Includes free eLearning courses

Get Started Today

Learn more about VMware Learning Zone features and subscription options:
www.vmware.com/go/learningzone

VMware Learning Zone

- Complimentary 6-month Premium Subscription
 - <https://blogs.vmware.com/education/2020/05/07/experience-complimentary-digital-learning-with-a-special-offer-from-vmware-learning-zone/>

In order to enable you to grow your skills and better face current IT challenges, we are offering complimentary access to the VLZ Premium Subscription for the next six months. View this [FAQ](#) for more details. In addition to the content available with the Basic Subscription (over 1,300 training videos and 65 free eLearning courses), the Premium Subscription* includes access to valuable content such as:

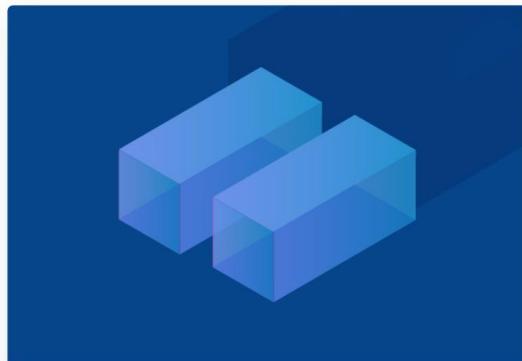
- 15 additional eLearning courses
- 200+ additional advanced troubleshooting, configuration, and solution-oriented best practice videos
- 12 Exam Preps (over 650 videos)

Kubernetes Academy

<https://kubernetes.academy/>

Courses

Kubernetes Academy courses are composed of a series of bite-size video lessons developed by expert instructors.



Basics

Beginner

Containers 101

This course lays the groundwork for your Kubernetes journey. You'll learn foundational knowledge on containers and how they work.

2 Lessons • 15:46



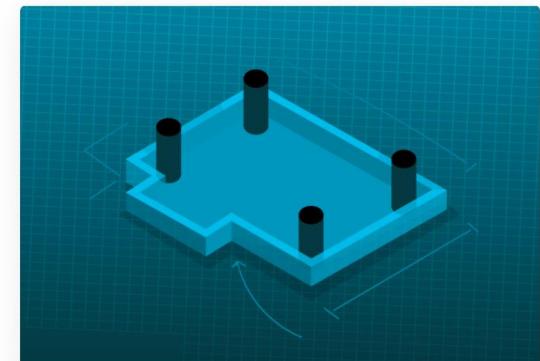
Basics

Beginner

Kubernetes 101

This course lays out the case for container orchestration and provides an overview of the concepts underlying Kubernetes, the leading container orchestration platform.

2 Lessons • 14:59



Concepts

Beginner – Intermediate

Kubernetes in Depth

From Kubernetes architecture to quick dives into Kubernetes object types. The Kubernetes in Depth course covers the concepts you'll need to understand how Kubernetes works.

6 Lessons • 45:28

Tour Stop #5

Official Documentation - Docs and KBs

VMware Docs

<https://docs.vmware.com>



VMware Docs

Explore the Docs



Search for VMware Product Information



vSphere



NSX-T Data Center



Horizon 7



vRealize Automation



Browse

All Products

Customized VMware Docs?

<https://docs.vmware.com>



VMware Docs

Build Custom Docs



Start using MyLibrary to create, annotate and share topics,
KB articles, code samples and more

- Tips and Tricks for Building Customized VMware Docs -
<http://blog.thenetworknerd.com/2018/12/07/tips-and-tricks-for-building-customized-vmware-docs/>

VMware Knowledge Base

<https://kb.vmware.com/s>

KB

VMware Knowledge Base

VMware Knowledge Base

Search for topics, products or issues..

Recent Searches: [workspace one](#) [NSX-T Data Center...](#)

- KBs and Beyond – Exploring the VMware Knowledge Base Site -
<http://blog.thenetworknerd.com/2019/01/31/kbs-and-beyond-exploring-the-vmware-knowledge-base-site/>

Tour Stop #6

Blogs, Community, and More

Blog Beat

<https://blogs.vmware.com/>



- Aggregation of VMware and VMTN Network member blogs
- VMware only feed - <https://blogs.vmware.com/all-vmware-blogs>

- Should you sign up?

The screenshot shows the VMware Blog Posts section of the VMware Blog Beat RSS feed. It includes a link to "Subscribe to the Blog Beat RSS Feed".

Error Message:

Feedburner could not deliver this feed to you because of the specific problem listed below:

Feed Address: http://feeds.feedburner.com/vmtn-network-member-blog-posts
HTTP Error (404): /vmtn/Feed not found. Error: Feedburner cannot locate this feed URL.

If you are a potential or current subscriber, contact the author to verify that the feed address is correct. If you are the author of this feed, please make sure the feed URL is correct and accessible. If the problem may have permanently removed the feed URL, you can still sign up to receive the feed, and click the link for troubleshooting it. It may take some time.

Keep Your Skills Current with On Demand Classes and VMware Learning Zone

According to research, IT professionals need at least 10 hours of job role-related training every year to keep their skills current—even more to support cloud migration projects*. To ensure you get the flexibility to learn when and where it's convenient for you, VMware Education Services offers multiple training options at every level including On Demand The post Keep Your Skills Current with On Demand Classes and VMware Learning Zone appeared first on VMware Education Services.

Blog Name: VMware Education and Certification Blog Author: Iris Polit
Published on 2019-09-23 | Time 18:28:24

VCP-DCV 2019: vSphere 6.7 Exam Prep

At the beginning of 2019, VMware released a new VCP-DCV 2019 certification and a new certification exam: Professional vSphere 6.7 Exam 2019 (2V0-21.19). Steve, Owen, and I began drafting a new appendix for use in conjunction with the VCP6-DCV: Official Cert Guide (VMware Press) when preparing the vSphere 6.7 exam; but, we determined that the [...]

Blog Name: vLore Blog Author: johnnyadavis
Published on 2019-09-23 | Time 18:20:19

Interesting Blogs to Follow

- [VMware Cloud Provider Blog](#)
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 - Keep track of the latest set of KBs released, and subscribe to the ones that are most important. Learn about new enhancements to VMware Skyline and other news.
- [VMware Careers](#)
 - Did you know we had a careers blog? Maybe this can give candidates some idea of what it's like to be a part of VMware.
- [VMware Education](#)
 - Are you paying attention to the certification programs and how they have changed or what new courses might be offered? This is the place.
- [VMware Open Source Blog](#)
 - What is VMware up to in the open source world? What is it like to work in the VMware Open Source Technology Center? Get the answers to these questions and more!
- [VMware Cloud Advocacy Team Blog](#)
 - If you're trying to develop applications or operate in native public clouds and want to see examples of best practices, this is the place.
- [Virtualize Applications Blog](#)
 - Find helpful stuff on virtualizing SAP, Oracle, SQL as well as articles on Big Data and High Performance Computing

Helpful VMware Podcasts

- VMware Communities Roundtable Podcast
 - <https://www.talkshoe.com/show/vmware-communities-roundtable>
- Virtually Speaking Podcast
 - <https://www.vspeakingpodcast.com/>

VMworld On-Demand Video Library

<https://videos.vmworld.com>

- Searchable archive of VMworld US / VMworld Europe presentations
- Download PDFs of slide decks
- Requires a free My VMworld account to sign in
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- Forums
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VMware Event Broker Appliance (VEBA)

<https://vmweventbroker.io/>



Unlocking the Hidden Potential of Events in the VMware SDDC

Use event-driven automation and take your vSphere Events to the next level! Easily trigger custom or pre-built actions to deliver powerful integrations within your datacenter but also across public cloud services. Integrations like Slack, Pager Duty, Service Now, etc. has never been easier before

#VEBA brings a Day 🌅 Night of difference to your SDDC

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Extend vCenter Actions

Simplify integrations and deliver new automated capabilities to vCenter



Event-Driven Functions

Imagine new possibilities with functions triggered by vSphere Events.



Bring Your Own Language

Build functions using the language of your choice

#VEBA Use Cases

🔔 Notification

Enable additional notification channels such as Slack, PagerDuty, SMS, etc.

🛠 Automation

Automate repetitive tasks and improve efficiency with event-driven functions powered by OpenFaaS

☁ Integration

Consume vCenter Events using the public cloud services of your choice

⬆ Remediation

Streamline operations by leveraging events to monitor and automate remediation efforts

🕵 Audit

Cut through the noise! Store some or all the events that you care about for future use

📈 Analytics

Take it a step further and learn from the past to help predict future trends or issues

[SEE ALL USE CASES](#)



Project Clarity

<https://clarity.design/>

- Project Clarity is an open source design system that brings together UX guidelines, an HTML/CSS framework, and Angular components.
 - Used by over 100 VMware products!
 - Blog link -
<https://blogs.vmware.com/opensource/2018/12/04/announcing-clarity-1-0/>
- GitHub repository link -
<https://github.com/vmware/clarity/>



VMware Technology Network (VMTN)

<https://communities.vmware.com/welcome>

- All forums - <https://communities.vmware.com/community/vmtn/overview>

The screenshot shows the VMTN homepage with a dark header. On the left is the VMTN logo. To its right is the text "vmware TECHNOLOGY NETWORK" and "STAY CONNECTED". On the far right are links for "Help & Resources" and "My VMware", along with "News" and "Browse ▾". Below the header is a navigation bar with various links: Home, All VMTN Forums (highlighted), Podcasts, vExpert, {code}, CloudCred, Social, YouTube, Mobile Apps, and VMUG. At the bottom, there's a "Top Forums" section featuring icons for vSphere, NSX, vSAN, vCenter, Fusion, Horizon, vRealize Automation, Workstation, Skyline, AppDefense, and VMCloudOnAWS.

VMware Technology Network (VMTN)

<https://communities.vmware.com/community/vmtn/content>

Home > VMTN > VMware Validated Designs > VMware Validated Design for SDDC 5.x

VMware Validated Design for SDDC 5.x

VMware Validated Design for SDDC 5.x

Activity Documents(10) Discussions(2) Polls Ideas(1) All Content People Subspaces

All documents ▾

Type to filter by text Filter by tag Sort by latest activity: newest first ▾

Title	Author	Latest activity
VMware Validated Design for Management and Workload Consolidation 5.1 - Design Decision Checklist in VMware Validated Design for SDDC 5.x	Last modified by Ryan Johnson   	July 18, 2019 6:40:06 PM
VMware Validated Design for SDDC 5.1 Design Decision Checklist in VMware Validated Design for SDDC 5.x	Last modified by Ryan Johnson   	July 18, 2019 6:39:37 PM
Visio Diagrams for VMware Validated Design for SDDC 5.1 in VMware Validated Design for SDDC 5.x	Ryan Johnson   	July 18, 2019 6:09:50 PM
VMware Validated Design for Software-Defined Data Center 5.1 Architecture Reference Poster in VMware Validated Design for SDDC 5.x	Ryan Johnson   	July 18, 2019 6:08:14 PM

VMware Design

<http://vmware.design/research.html>



- Follow the link to join the VMware Design Studio Program and participate in product feedback studies
- VMware Design Blog - <https://medium.com/vmwaredesign>

VMware Flings

<https://flings.vmware.com/>



Summary Requirements Instructions Changelog Comments 660 Bugs 21

The VMware OS Optimization Tool helps optimize Windows 7/8/2008/2012/10 systems for use with VMware Horizon View. The optimization tool includes customizable templates to enable or disable Windows system services and features, per VMware recommendations and best practices, across multiple systems. Since most Windows system services are enabled by default, the optimization tool can be used to easily disable unnecessary services and features to improve performance.

You can perform the following actions using the VMware OS Optimization Tool:

- Local Analyze/Optimize
- Remote Analyze
- Optimization History and Rollback
- Managing Templates

VMware Flings
<https://flings.vmware.com/>

PRODUCTIZED



vSphere HTML5 Web Client

Sep 09,
2019
v4.3 - Build
14483008

The vSphere HTML5 Web Client is here! It is written using HTML5 and Javascript, and we are ...

PRODUCTIZED



ESXi Embedded Host Client

Feb 05, 2019
v1.33.1

This version of the ESXi Embedded Host Client is written purely in HTML and JavaScript, and is served ...

The Journey Continues

- Twitter - @NetworkNerd_
- Blog – <http://blog.thenetworknerd.com>
- Podcast – <http://www.nerd-journey.com>

