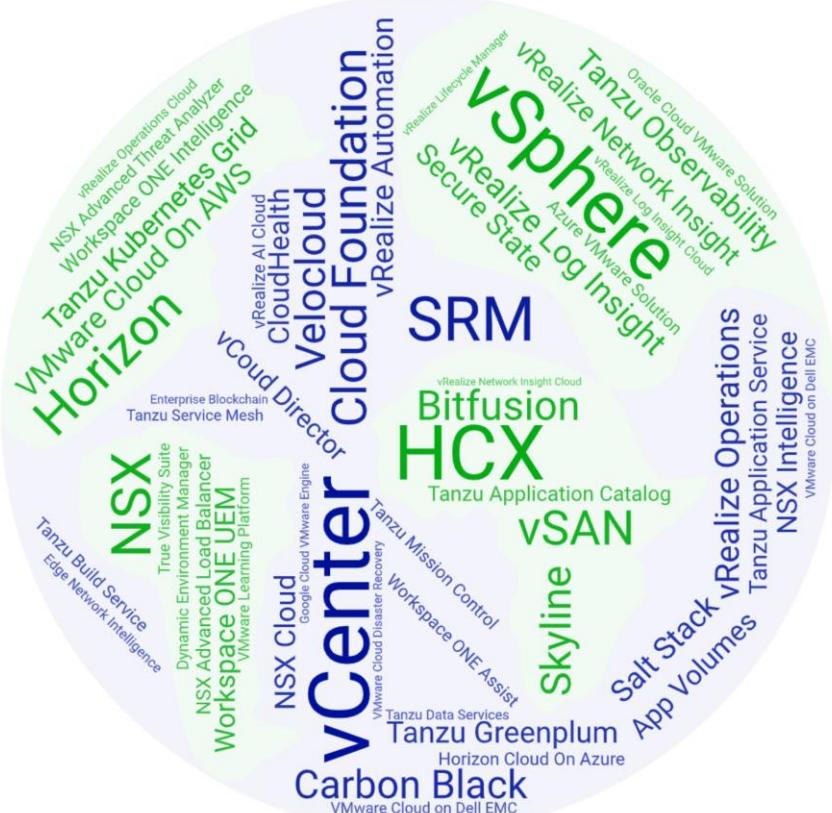


# The Extensive Guide to Using VMware Documentation Like a Pro

Nick Korte ([nkorte@vmware.com](mailto:nkorte@vmware.com), [@NetworkNerd\\_](https://twitter.com/NetworkNerd_))  
Senior Solution Engineer, VMware  
Office of the CTO, Ambassador

# A World of Products

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



# VMware Acquisitions

2021

Mesh7  
(Closed 3/31/2021)

2020

Mode.net (September 2020)

Datrium (July 2020)

Blue Medora True Visibility Suite (July 2020)

Lastline (June 2020)

Octarine (May 2020)

Nyansa (January 2020)

SaltStack (October 2020)

2019

Pivotal (December 2019)

Carbon Black (October 2019)

Veriflow (August 2019)

Uhana (July 2019)

BitFusion (July 2019)

Avi Networks (June 2019)

Bitnami (May 2019)

Aetherpal (February 2019)

2018

Heptio (November 2018)

CloudHealth (August 2018)

Dell EMC Assurance Suite (August 2018)

E8 Security (March 2018)

CloudCoreo (February 2018)

CloudVelox (February 2018)

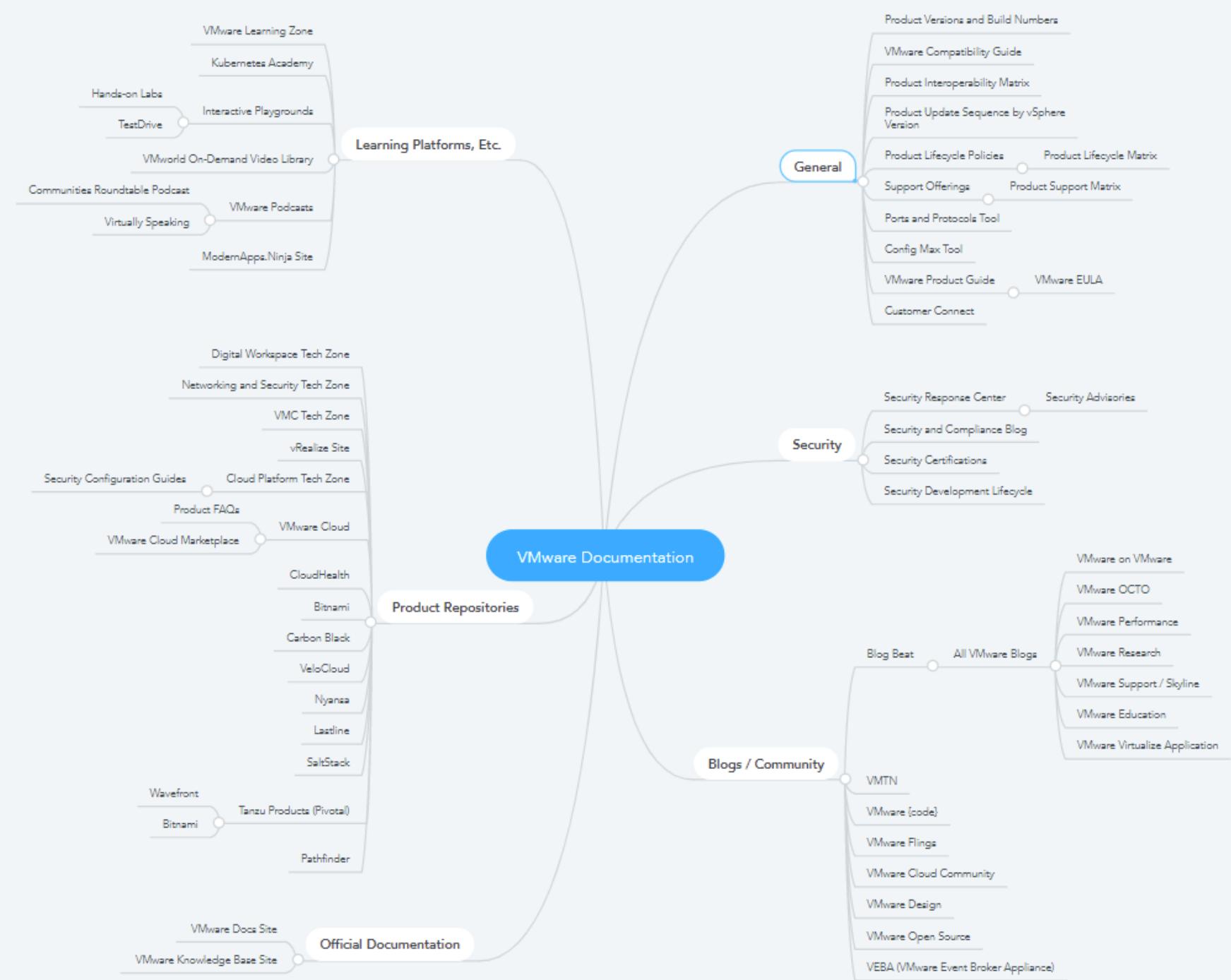
Public Site on Acquisitions - <https://www.vmware.com/company/acquisitions.html>



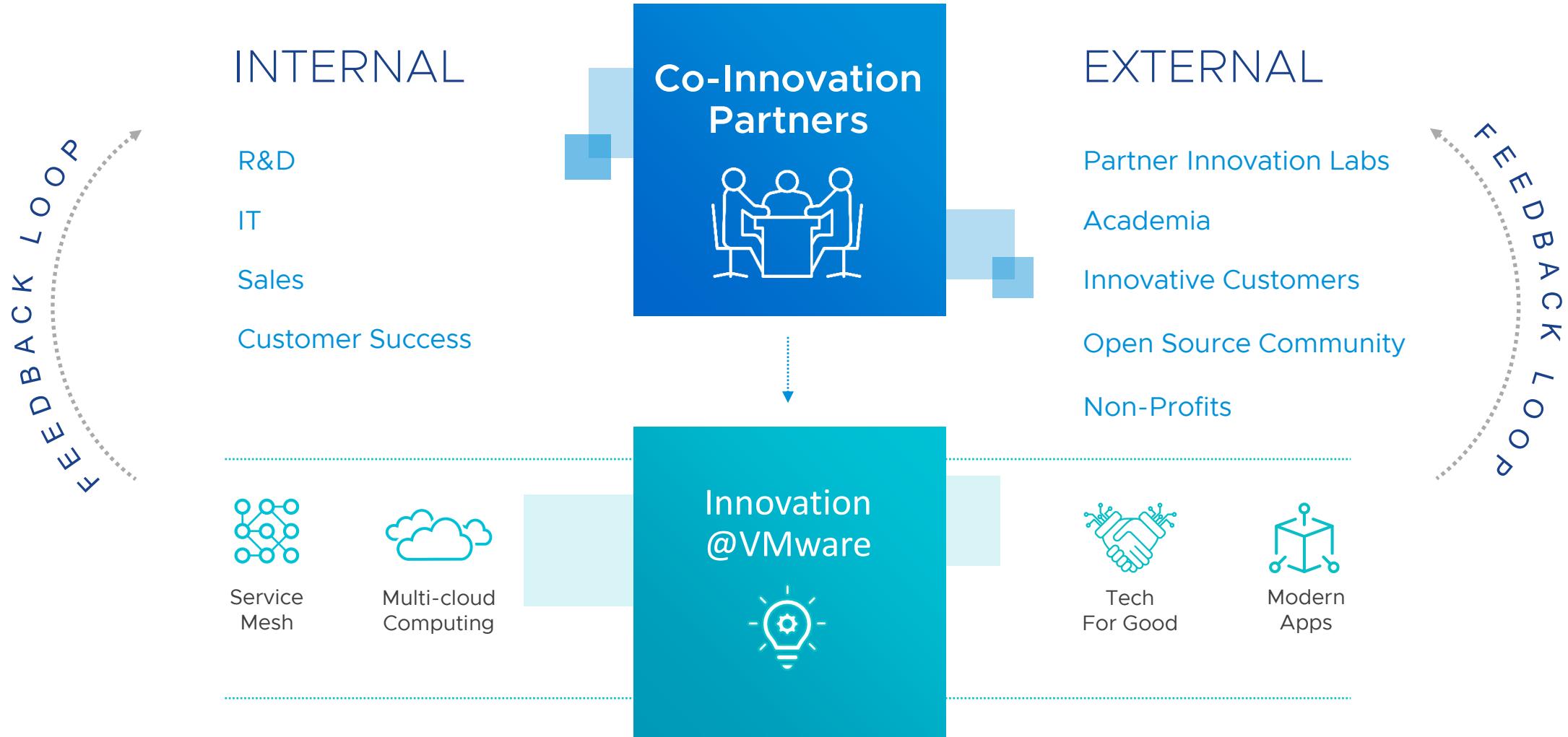
# We're Going on Tour!

## A Documentation Map

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



# Innovation @ VMware





While You  
Board

## New Releases

**NSX**  
Connect with the Virtual Cloud Network  
  
Technical Advanced Series

**Technical Deep Dive - NSX-T - Advanced Security**

Aired On 10/28/2020 at 12:00PM

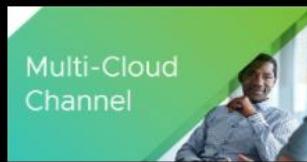
[On Demand](#)

• • • • •

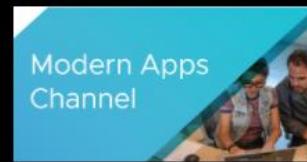
## Channels



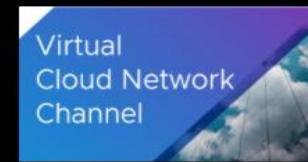
Digital Workspace Channel



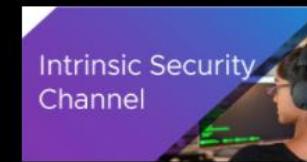
Multi-Cloud Channel



Modern Apps Channel



Virtual Cloud Network Channel



Intrinsic Security Channel

Relax and Chill with VMware TV

<http://www.vmware.com/tv>

## VMworld On-Demand Video Library

<https://videos.vmworld.com>

- Searchable archive of VMworld US / VMworld Europe presentations
- Requires a free My VMworld account to sign in
  - All content free to access

The screenshot shows a video player interface for a keynote titled "Solutions Keynote: Innovation@VMware - The CTO Perspective". The video features a man in a black shirt speaking against a background of green and blue abstract graphics. The video player includes a play button and a progress bar. To the right of the video, there is a sidebar with the following information:

- Presentation**
- Download PDF** (with a red arrow pointing to it)
- Speakers**
- Greg Lavender**  
SVP & Chief Technology Officer  
VMware  
[Show Bio](#)

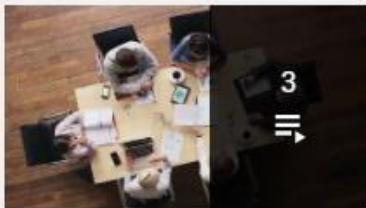


## Key announcement themes | VMworld 2020

1,124 views • 3 weeks ago

Bruce Davie, CTO for Asia Pacific & Japan, speaks to Emma Heath, Content Strategist, to share his take on the VMworld 2020 announcements, including delivering on promises from prior years (Carbon Black Workload, Tanzu, self-driving ops); democratising access to AI/ML; and supporting the future distributed workforce.

## Featured Playlists



VMware Strategic IT Priorities  
VMware [VIEW FULL PLAYLIST](#)



Why Choose VMware?  
VMware [VIEW FULL PLAYLIST](#)



VMware on VMware  
VMware [VIEW FULL PLAYLIST](#)



VMware Strategy  
VMware [VIEW FULL PLAYLIST](#)



VMware Security  
VMware [VIEW FULL PLAYLIST](#)



- VMware** [SUBSCRIBE](#)
- VMware vSphere** [SUBSCRIBE](#)
- VMware Cloud Provider** [SUBSCRIBE](#)
- VMware NSX** [SUBSCRIBE](#)
- VMware CloudManage...** [SUBSCRIBE](#)
- VMware vSAN** [SUBSCRIBE](#)
- VMware End-User Com...**

Follow VMware YouTube Channels  
<https://www.youtube.com/user/vmwaretv>



# Tour Stop #1

A General Toolset

The Extensive Guide to Using VMware Documentation Like a Pro

# Build Numbers and Versions – KB 1014508



## Correlating build numbers and versions of VMware products (1014508)

Last Updated: 2/10/2020 Categories: Informational Total Views: 1621438

Language: English [subscribe](#)

**Skyline Health Diagnostics (SHD)** is a tool that analyses log files to detect known issues and recommend solutions/KBs. Benefits include:

- Instant resolution to known issues that occur in your vCenter/vSphere environment
- Significant reduction of time and efforts in resolving issues faced by Admins
- Stability of your vSphere environments

It is highly secure and doesn't require online connectivity. Please visit [here](#) for more details on SHD, including downloading and installation of this tool.

**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	<a href="#">Build numbers and versions of VMware Converter Standalone (2143828)</a>
VMware Data Recovery	<a href="#">Build numbers and versions of VMware Data Recovery (2143852)</a>
VMware ESXi/ESX	<a href="#">Build numbers and versions of VMware ESXi/ESX (2143832)</a>
VMware Horizon View	<a href="#">Build numbers and versions of VMware Horizon View (2143853)</a>
VMware NSX for vSphere	<a href="#">Build numbers and versions of VMware NSX for vSphere (2143854)</a>
VMware Site Recovery Manager	<a href="#">Build numbers and versions of VMware Site Recovery Manager (2143851)</a>
VMware vCenter Server	<a href="#">Build numbers and versions of VMware vCenter Server (2143838)</a>
VMware vCenter Chargeback	<a href="#">Build numbers and versions of VMware vCenter Chargeback (2143841)</a>

# Build Numbers and Versions – KB 1014508

VMware® vSphere®

vSphere Client version 7.0.0.10100

	Version	Release Date	VAMI/Release Notes	Client/MOB/vpxd.log
	vCenter Server 7.0 Update 2 (7.0.2.00000)	2021-03-09	17694817	17694817
	vCenter Server 7.0 update 1d (7.0.1.00300)	2021-02-02	17491101	17491160
	vCenter Server 7.0 update 1c (7.0.1.00200)	2020-12-17	17327517	17327586
	vCenter Server 7.0 update 1a (7.0.1.00100)	2020-10-22	17004997	17005016
	vCenter Server 7.0 Update 1 (7.0.1.00000)	2020-10-06	16860138	16858589
	vCenter Server 7.0.0d (7.0.0.10700)	2020-08-25	16749653	16749670
	vCenter Server 7.0.0c (7.0.0.10600)	2020-07-30	16620007	16620013
	vCenter Server 7.0.0b (7.0.0.10400)	2020-06-23	16386292	16386335
	vCenter Server 7.0.0a (7.0.0.10300)	2020-05-19	16189094	16189207
	vCenter Server 7.0 GA (7.0.0.10100)	2020-04-02	15952498	15952599
VCSA	Version	Release Date	VAMI/Release Notes	Client/MOB/vpxd.log
	vCenter Appliance 6.7 Update 3l (6.7.0.46000)	2020-11-19	17138064	17137327
	vCenter Appliance 6.7 Update 3k (6.7.0.45100)	2020-10-22	17028579	17028632
	vCenter Appliance 6.7 Update 3j (6.7.0.45000)	2020-08-20	16708996	16709110
	vCenter Appliance 6.7 Update 3i (6.7.0.44200)	2020-07-30	16616482	16616668
	vCenter Appliance 6.7 Update 3h (6.7.0.44100)	2020-05-28	16275304	16243230
	vCenter Appliance 6.7 Update 3g (6.7.0.44000)	2020-04-28	16046470	16046713
	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

# VMware Compatibility Guide

\*\*\*Demo Time!\*\*\*

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

System Type:

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

Additional Criteria: (Collapse All)

Min Certified Memory:

- All

Max Certified Memory:

- All

Sockets:

- All

Enhanced vMotion Capability Modes:

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

Partner Name:

- All
- Aberdeen LLC
- Acer Inc.
- Action
- Adlink technology inc.
- Advantech Corporation
- AIC Inc.
- Altos Computing Inc
- AMAX Information Technologies
- Aparna Systems
- Apple
- Aquarius

Features:

- All
- Certified Memory - DRAM
- Certified Persistent Memory (PMEM)
- Extended Configuration Maximum
- Fault Tolerant(FT)
- Intel Optane Persistent Memory (PMEM) N
- Intel SGX
- Legacy FT
- PCIe Hot-Plug Ready
- Quick Boot
- SR-IOV
- Total combined memory (PMEM + DRAM)
- Trusted Platform Module (TPM)
- UEFI Secure Boot
- vDGA\_Linux

Keyword:

Max Cores per Socket:

- All

CPU Series:

- All
- AMD EPYC 7001 Series
- AMD EPYC 7002/7Fx2/7Hx2 Series
- AMD Opteron 41xx Series
- AMD Opteron 4200 Series
- AMD Opteron 4300 Series
- AMD Opteron 61xx Series

Posted Date Range:

- All

The VMware  
Compatibility  
Guide

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

Update and View Results

Reset

# \*\*\*Demo Time!\*\*\*

Welcome to an improved Product Interoperability Matrix experience.

[WALK ME](#) [FEEDBACK](#) [X](#)

## vmware® Product Interoperability Matrix

Interoperability Solution/Database Interoperability Upgrade Path

Compare

Select a Solution  
Solution 1  
Select a Solution ▾  
All versions  
Add Another Solution

With

Add Platform/Solution  
Platform/Solution 1  
Select a Solution ▾  
All versions  
Add Another Solution

CHECK INTEROPERABILITY [CLEAR](#)

Hide Interoperability  
 Compatible  Incompatible

Hide Legacy Releases ⓘ  
 Past End of General Support  Past End of Technical Guidance

Print CSV Copy

Hide Columns  
Compatible (green checkmark) Incompatible (red X) Past End of Technical Guidance (yellow warning icon) Past End of General Support (blue info icon)  
Not Supported (grey)

No Data



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

# 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](#)

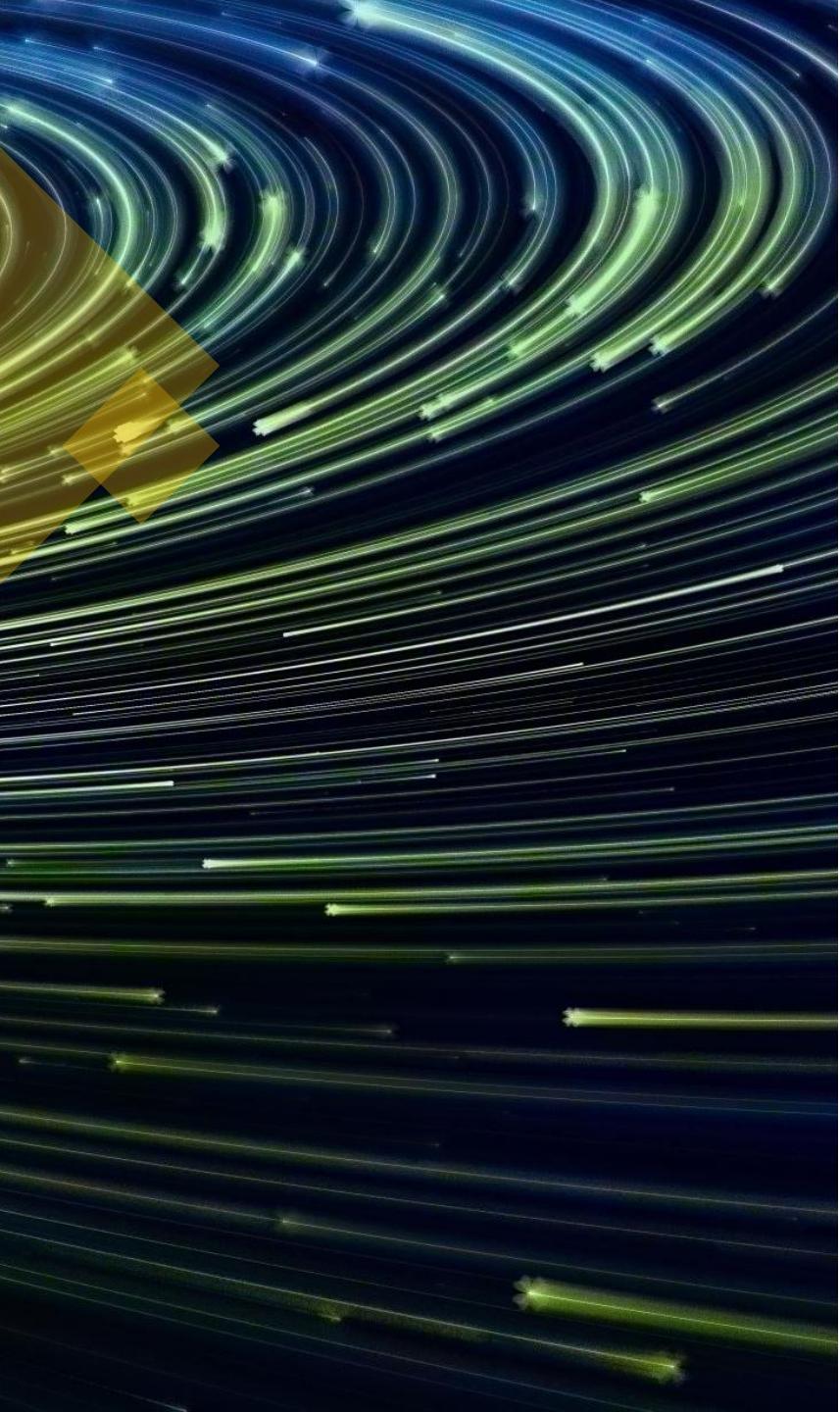
### Resolution

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>

March 12, 2020

~~November 15, 2021~~

October 15, 2022  
[KB 66977](#)



GENERAL SUPPORT  
PHASE



TECHNICAL  
GUIDANCE PHASE



END OF SUPPORT  
LIFE



END OF AVAILABILITY  
/ END OF  
DISTRIBUTION

[vSphere 6.7 End of General Support Extended](#)



# \*\*\*Demo Time!\*\*\*

## vmware Product Lifecycle Matrix

[US](#)
[Communities](#)
[Feedback](#)
[Store](#)

Last Updated (Local Time): 2021/03/08 09:55

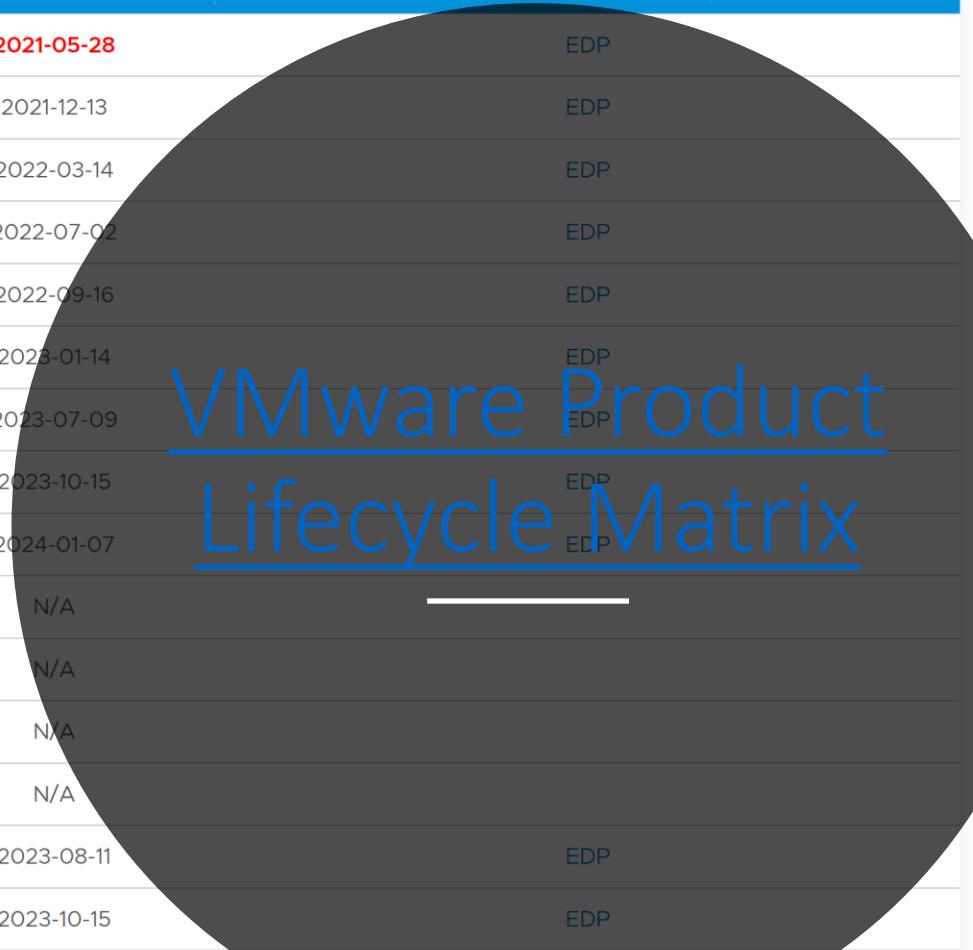
Export selections to:    Show:  Supported Products  Unsupported Products

Red: Within 6 months Purple: Reached End of General Support

Background Color

Product release with grey background indicates it is unsupported

<input type="checkbox"/> Product Release	General Availability	End of General Support	End of Technical Guidance	End of Availability	Lifecycle Policy	Notes
<input type="checkbox"/> App Volumes 2.14 (ESB)	2018-05-28	2020-05-28	2021-05-28		EDP	
<input type="checkbox"/> App Volumes 2.15	2018-12-13	2020-12-13	2021-12-13		EDP	
<input type="checkbox"/> App Volumes 2.16	2019-03-14	2021-03-14	2022-03-14		EDP	
<input type="checkbox"/> App Volumes 2.17	2019-07-02	2021-07-02	2022-07-02		EDP	
<input type="checkbox"/> App Volumes 2.18 (ESB)	2019-09-16	2021-09-16	2022-09-16		EDP	
<input type="checkbox"/> App Volumes 4	2020-01-14	2022-01-14	2023-01-14		EDP	
<input type="checkbox"/> App Volumes 4 2006	2020-07-09	2022-07-09	2023-07-09		EDP	
<input type="checkbox"/> App Volumes 4 2009	2020-10-15	2022-10-15	2023-10-15		EDP	
<input type="checkbox"/> App Volumes 4 2012	2021-01-07	2023-01-07	2024-01-07		EDP	
<input type="checkbox"/> Cloud Director App Launchpad 1.0	2020-04-09	2022-04-09	N/A			
<input type="checkbox"/> Cloud Director App Launchpad 2.0	2020-10-15	2022-10-15	N/A			
<input type="checkbox"/> Cloud Director Object Storage Extension 1.5	2020-04-16	2022-04-16	N/A			
<input type="checkbox"/> Cloud Director Object Storage Extension 2.0	2020-10-15	2022-10-15	N/A			
<input type="checkbox"/> Dynamic Environment Manager 10 2006	2020-08-11	2022-08-11	2023-08-11		EDP	
<input type="checkbox"/> Dynamic Environment Manager 10 2009	2020-10-15	2022-10-15	2023-10-15		EDP	



VMware Product  
Lifecycle Matrix

# Handy Web Utilities

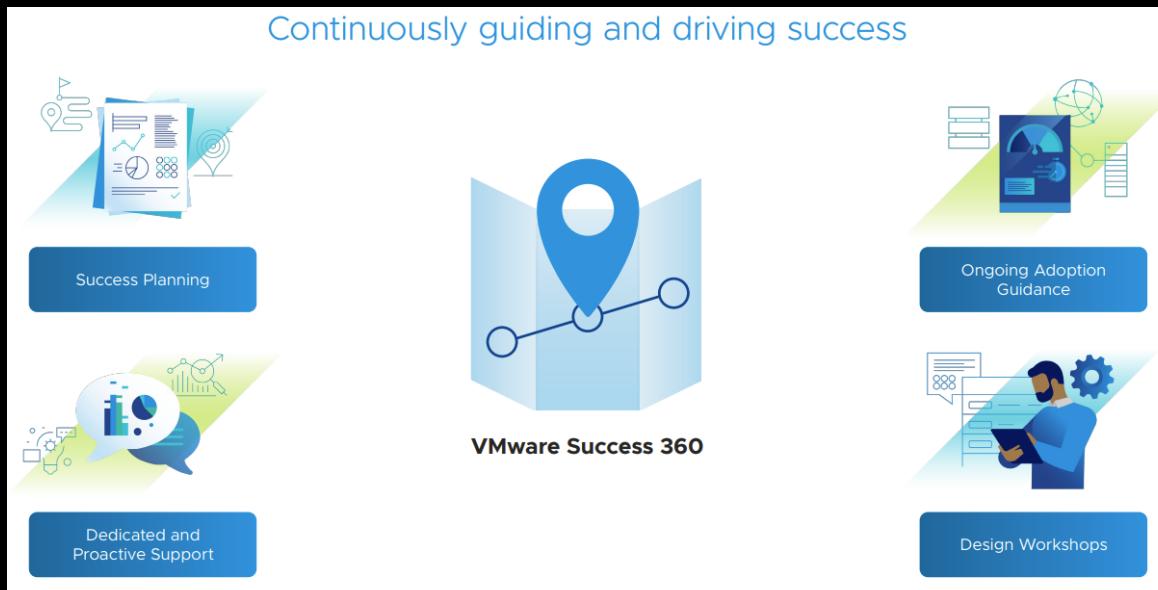
\*\*\*Demo Time!\*\*\*

- Ports and protocols - <https://ports.vmware.com>
- ConfigMax - <https://configmax.vmware.com>

# VMware Support Offerings

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

- Skyline Advisor Support Entitlement Modes – [KB 79286](#)
  - Different features in production vs. premier support



## On-Premises Production Support

VMware Production Support and Subscription Services is designed with your production environments in mind. Our global support centers are staffed around the clock to provide you access to our industry-leading expertise in virtualization and years of experience supporting virtual infrastructure products in real-world customer environments. We are committed to delivering enterprise-class, worldwide support with a single objective in mind: your success.

### At-A-Glance

- Available by Region
- 24x7 support for Severity 1 issues
- Unlimited number of Support Requests
- Up to 6 Administrators
- Remote Support
- Online access to documentation and technical resources, knowledge base, discussion forums
- Online access to product updates and upgrades

[DOWNLOAD THE DATASHEET](#)

[SKYLINE PROACTIVE INTELLIGENCE](#)

## Cloud Services Production Support

VMware Production Support for Cloud Products is designed with your access to SaaS products in mind. We are committed to delivering enterprise-class, worldwide support with a single objective in mind: your success. Our global support centers are staffed around the clock to ensure you have access to the product from your web browser anywhere the internet is available. VMware handles software deployment and maintenance, allowing you to focus on running your business.

### At-A-Glance

- Available by Region
- 24x7 support for Severity 1 issues
- Unlimited number of Support Requests
- Up to 6 Administrators
- Online access to documentation and technical resources, knowledge base, discussion forums
- Cloud updates

[DOWNLOAD THE DATASHEET](#)

[SKYLINE PROACTIVE INTELLIGENCE](#)

# 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 links for "On-Premises", "Cloud Services", "Support", and "Third-Party Software". Below the navigation bar, there is a section titled "On-Premises Software Offerings" which contains the text: "VMware commercial on-premises software offerings are provided under the VMware End User License Agreement and the VMware Product Guide:". There are two blue buttons labeled "VMWARE END USER LICENSE AGREEMENT" and "VMWARE PRODUCT GUIDE". A horizontal blue line separates this section from the "Cloud Service Offerings" section below. The "Cloud Service Offerings" section contains the text: "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.". There are two blue buttons labeled "VMWARE TERMS OF SERVICE" and "VMWARE DATA PROCESSING ADDENDUM".

VMware End User Terms and Conditions

On-Premises   Cloud Services   Support   Third-Party Software

On-Premises Software Offerings

VMware commercial on-premises software offerings are provided under the VMware End User License Agreement and the VMware Product Guide:

VMWARE END USER LICENSE AGREEMENT   VMWARE PRODUCT GUIDE

Cloud Service Offerings

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.

VMWARE TERMS OF SERVICE   VMWARE DATA PROCESSING ADDENDUM

# Tour Stop #2

Security

The Extensive Guide to Using VMware Documentation Like a Pro

# Security Configuration Guides (Formerly Hardening Guides)

<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 Configuration Guides

- [vSphere Security Configuration Guide](#)

#### vRealize Security Configuration Guides

- [vRealize Automation](#)
- [vRealize Operations Manager](#)

#### Other VMware Products

- [vRealize Configuration Manager 5.5](#)
- [VMware Cloud Director Security](#)

# vSphere Security Configuration Guides

<https://core.vmware.com/security-configuration-guide>

## Security Configuration Guides for VMware vSphere

The vSphere Security Configuration Guide (SCG) is the baseline for security hardening of VMware vSphere itself. Started more than a decade ago, it has long served as guidance for vSphere Administrators looking to protect their infrastructure.

Share on: [f](#) [t](#) [in](#) [e](#)

### Security Configuration Guides

**VMware vSphere Security Configuration Guide 7**  
The vSphere Security Configuration Guide (SCG) 7 is the baseline for hardening and auditing guidance for VMware vSphere itself. Started more than a decade ago, it has long served as guidance for vSphere Administrators looking to protect their infrastructure

[Read More](#)

**VMware vSphere Security Configuration Guide 6.7**  
The vSphere Security Configuration Guide (SCG) 6.7 is the baseline for hardening and auditing guidance for VMware vSphere itself. Started more than a decade ago, it has long served as guidance for vSphere Administrators looking to protect their infrastructure

[Read More](#)

**VMware vSphere Security Configuration Guide 6.5**  
The vSphere Security Configuration Guide (SCG) 6.5 is the baseline for hardening and auditing guidance for VMware vSphere itself. Started more than a decade ago, it has long served as guidance for vSphere Administrators looking to protect their infrastructure

[Read More](#)

**VMware vSphere Security Configuration Guide Archive**  
The vSphere Security Configuration Guide (SCG) is the baseline for hardening and auditing guidance for VMware vSphere itself. Started more than a decade ago, it has long served as guidance for vSphere Administrators looking to protect their infrastructure. This is an archive of hardening guidance for versions of vSphere past the end of their support.

[Read More](#)

# Security Response Center

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

Cloud Solutions Products Support & Services Downloads Partners Company

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 release via a VMware Security Advisory.

## VMware Security & Compliance Blog

Visit Blog

- 03/10/2021  
Announcing Coordinated Detection & Response from VMware Carbon Black and Proofpoint  
With thousands of customers adopting the VMware Carbon Black Cloud to secure their endpoints and workloads, our ecos...
- 11/30/2020  
Intrinsic Security: Best Practices for Using Automation to Simplify and Improve Threat Protection  
Cybercrime is up 600% during the COVID-19 pandemic as companies continue relying on employees working remotely. ...
- 11/06/2020  
VMware and Tianfu Cup 2020  
Update November 08, 2020 Tianfu Cup International PWN Contest 2020 has been wrapped up with no attempts on our products ...

VSRC communicates activities on the VMware Security Response Center blog.

# 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>
- Common Criteria Certifications
  - <https://www.vmware.com/in/security/certifications/common-criteria.html>

## Security Best Practices and Resources

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-412EF981-D4F1-430B-9D09-A4679C2D04E7.html>

The screenshot shows the VMware Docs website for the VMware vSphere product. The left sidebar contains a navigation tree for 'VMware vSphere' documentation, with 'Security Best Practices and Resources' selected. The main content area displays the title 'Security Best Practices and Resources', a summary, and a table of contents for the best practices. The table lists components like ESXi host, vCenter Server system, Virtual machine, and vSphere Networking, each with a corresponding security best practice link.

VMware® Docs

Search for VMware Product Information

EN V

Product

VMware vSphere

Expand All

Security in the vSphere Environment

- Securing the ESXi Hypervisor
- Securing vCenter Server Systems and Associated Services
- Securing Virtual Machines
- Securing the Virtual Networking Layer
- Passwords in Your vSphere Environment
- Security Best Practices and Resources**

vSphere Permissions and User Management Tasks

Securing ESXi Hosts

Securing vCenter Server Systems

Securing Virtual Machines

Virtual Machine Encryption

Configuring and Managing a Standard Key Provider

Configuring and Managing vSphere Native Key Provider

vSphere Trust Authority

## Security Best Practices and Resources

Add to Library | RSS | Download PDF | Feedback

Updated on 02/02/2021

Selected product version: **VMware vSphere 7.0**

If you follow best practices, your ESXi and vCenter Server can be as secure as or even more secure than an environment that does not include virtualization.

This manual includes best practices for the different components of your vSphere infrastructure.

### Security Best Practices

vSphere component	Resource
ESXi host	<a href="#">Securing ESXi Hosts</a>
vCenter Server system	<a href="#">vCenter Server Security Best Practices</a>
Virtual machine	<a href="#">Virtual Machine Security Best Practices</a>
vSphere Networking	<a href="#">vSphere Networking Security Best Practices</a>

This manual is only one of the sources you must use to ensure a secure environment.

VMware security resources, including security alerts and downloads, are available on the Web.

# Tour Stop #3

Official Documentation – Docs, KBs, and More

The Extensive Guide to Using VMware Documentation Like a Pro

# VMware Docs

<https://docs.vmware.com>



# VMware Docs

\*\*\*Demo Time!\*\*\*

Explore the Docs



Search for VMware Product Information



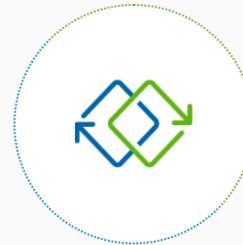
vSphere



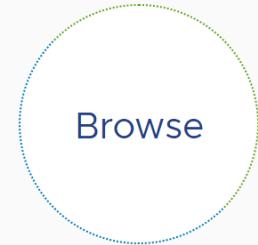
NSX-T Data Center



Horizon 7



vRealize Automation



Browse

All Products

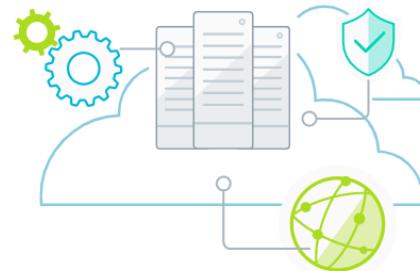
# Customized VMware Docs?

<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>

## VMware Knowledge Base

 Search for topics, products or issues..

Recent Searches: [!\[\]\(6ba58ed5429ffd926516910ee2ae6e36\_img.jpg\) workspace one X](#) [!\[\]\(57e8a7e37c77ecf159d5793f11897598\_img.jpg\) NSX-T Data Center... X](#)

# Tour Stop #4

Product Repositories



The Extensive Guide to Using VMware Documentation Like a Pro

# Product Repositories

\*\*\*Demo Time!\*\*\*

- [Digital Workspace Tech Zone](#)
- [Networking and Security Tech Zone](#)
- [VMC Tech Zone](#)
- [Cloud Platform Tech Zone](#)
  - [VCF Resource Center](#)
  - [Storage, Resource, VM Admin Guides](#)
- [Carbon Black Tech Zone](#)
  - [Carbon Black vs. TMC](#)
- [vRealize Site](#)
- [Tanzu Content Library](#)
  - [Tanzu Docs](#)
  - [Tanzu Knowledge Base](#)
  - [Tanzu Customer Stories](#)
- [Pathfinder](#)

# VMware Cloud

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

## CloudHealth

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

[LEARN MORE ↗](#)



## Cloud Partner Navigator

Deliver multi-cloud services while simplifying business and customer operations with this unified SaaS partner platform.

[LEARN MORE ↗](#)



## Google Cloud VMware Engine

Use the tools, policies and processes you know to rapidly extend into Google Cloud.

[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 ↗](#)



## IBM Cloud for VMware Solutions

Simplify your path to cloud, and go further once you're there.

[LEARN MORE](#)

## NSX Cloud

Enable consistent networking and security for apps running natively in public clouds.

[LEARN MORE ↗](#)



## Oracle Cloud VMware Solution

Support a fully functional VMware environment in the secure, high-performance Oracle Cloud.

[LEARN MORE](#)



## VMware Cloud on AWS

Rapidly extend or migrate your on-premises vSphere environment to the AWS public cloud.

[LEARN MORE](#)



## VMware Cloud on AWS GovCloud

Securely integrate a hybrid cloud offering that aligns with government agency regulations.

[LEARN MORE](#)



## VMware Cloud on AWS Outposts

Accelerate innovation in your data center with this as-a-service AWS infrastructure.

[LEARN MORE](#)



## VMware Cloud on Dell EMC

Bring a fully-managed Dell EMC cloud experience to your data center and edge environments.

[LEARN MORE ↗](#)

# VMware Cloud Product FAQs

General	General
Pricing & TCO	What is VMware Cloud on AWS?
Credit Card Payment	Where is VMware Cloud on AWS available today?
COVID-19 Business Continuity	What are the features included in VMware Cloud on AWS?
Industry & Compliance	Can workloads running in a VMware Cloud on AWS SDDC integrate with AWS services?
Support	How do I sign up for the service?
Single Host SDDC	How does VMware protect customer data in VMware Cloud on AWS?
2-Host SDDC Cluster	What VMware SDDC products do I need to have on-premises for VMware Cloud on AWS?
VMware Cloud Disaster Recovery	Is there localized language support for the international regions?
VMware Site Recovery	Where can I get more details, such as security, analytics, subscriptions, and service operations, about VMware Cloud on AWS service?
Workload Migration	
Compute	
Stretched Clusters for VMware Cloud on AWS	
Elastic DRS	
Storage	
Networking - General	
Networking - Firewall and General Firewall	
Networking - Direct Connect	
Networking - VPN	
Networking - VMware Transit Connect	
Networking - Multi Edge SDDC	
Hybrid Linked Mode	
Microsoft Workloads	
Service Operations	

[VMC Roadmap](#)

# 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>



# RESOURCE CENTER

Home > CloudHealth Training

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

Topic: All AWS Azure Company & Culture  
Data Center GCP Governance Integration  
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.

# SD-WAN - <https://sase.vmware.com/sd-wan>

The screenshot shows the VMware SASE website with the 'Resources' menu item highlighted. A hand cursor icon is positioned over the 'Resources' link. The page displays various resource categories and featured resources.

**Navigation Bar:** SD-WAN, SASE, Products, Solutions, Partners, Support & Services, Resources, Contact Us, 5, GET STARTED.

**Browse Categories:**

- White Papers & Reports: Analyst reports and long-form research.
- Webinars: Watch past webinars on demand and find out what's coming.
- Videos: Interviews, explainers, animations, and more.
- Podcasts: Listen as our experts break down technical topics.
- Blog: Articles from the VMware SASE team and our partners.
- Case Studies: Find out what our customers have to say.
- Solution Overviews: A closer look at VMware solutions.
- eBooks: Read our technology stories.
- Infographics: Visualize the latest stats and trends.

**Featured Resources:**

- 2020 Gartner Magic Quadrant for WAN Edge Infrastructure: VMware named a Leader in Gartner report for the third year in a row.
- Software Defined WAN for Dummies: We wrote the book on SD-WAN.
- VMware SD-WAN Edge Activation Guides: Learn about VMware SD-WAN Edge hardware.

**Buttons:** EXPLORE RESOURCES, LEARN MORE, TRY IT FREE.

- Docs Link - <https://docs.vmware.com/en/VMware-SD-WAN/index.html>

# 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)

The screenshot shows the VMware Cloud Marketplace interface. At the top, there's a navigation bar with the VMware logo and a search bar. Below it, a banner for the "Management Pack for ServiceNow" by VMware Inc. is displayed. The main content area features a grid of categories: AI + Machine Learning, Analytics, Business Application Services, Business Tools, Compute, Databases, Developer tools, DevOps, Hardware, Identity, Internet of Things, Management & Monitoring, Networking, and Other. Each category has a corresponding icon. On the right side of the grid, there's a detailed description of the "Management Pack for ServiceNow", which includes a screenshot of its interface showing various monitoring metrics like CPU usage, memory, and network traffic.

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

# Tour Stop #5

The World as Your Playground

The Extensive Guide to Using VMware Documentation Like a Pro

# VMware Hands-on Labs

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

 HOL-2104-01-SDC - Introduction to vSphere Performance

[Enrolled](#)  

VMware vSphere ensures workloads run with maximum performance on your ESXi hosts and clusters. This lab showcases what is new in vSphere 7.0 with regards to performance. Learn how to right-size VMs for your particular environment, so resources are not under or overprovisioned.

This lab is available in [English](#), [日本語](#)

Lab Modules		
#	Title	Time Level
1	vSphere 7.0 Performance: What's New?	30 B
2	Right-Sizing vSphere VMs for Optimal Performance	45 I

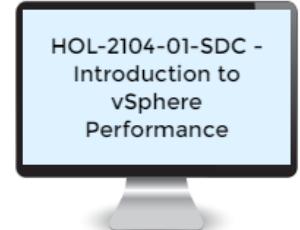
A **Module Time** can be either 15, 30, 45 or 60 Minutes in Length.  
A **Module Level** can be either Beginning, Intermediate, or Advanced.

[INVITE A FRIEND](#) [ENROLLED](#)

[Close](#)

**▼ LAB DETAILS**

Time Limit: [1 hour 30 minutes](#)  
Valid Period: [2 hours](#)  
Exit Allowed: [No](#)  
End Allowed: [Yes](#)  
Availability: [Available Now](#)  
Manual Languages: [日本語](#), [English](#)

 HOL-2104-01-SDC -  
Introduction to  
vSphere  
Performance

THIS LAB ALSO EXISTS IN:

Catalogs: [Language: 日本語](#), [Multi-Cloud](#)

Products: [vSphere](#)  
Related Content: [HOL-2104-02-SDC - vSphere Performance Testing of Workloads](#), [HOL-2104-03-SDC - vSphere Performance Testing of ESXi Host Subsystems](#)  
Authors: [David Morse](#), [Randy Jones](#)

# 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.

# Download VMware Hands-on Labs Manuals



<https://hol.vmware.com/catalog/>

vmware® Hands-on Labs

Overview Try Our Labs Blog Documents Videos FAQs

FILTER BY: Catalog (1) x Product Language Module Duration x Search

2021 Hands-on Labs Content Catalog x

SKU	Title	Description	Summary
	HOL-2101-01-CMP	What's New in vRealize Operations 8.1 Explore what's new in vRealize Operations 8.1. Discover vSphere with Tanzu objects, Virtual Volumes and enhanced multi-cloud monitoring.	<span>3 MODULES</span> <span>ja</span> <span>en</span>

**What's New in vRealize Operations 8.1**

Captains: Ian Smith, Veronica Campos-Stover

Explore what's new in vRealize Operations 8.1. Discover vSphere with Tanzu objects, Virtual Volumes and enhanced multi-cloud monitoring.

Languages: 日本語 (Japanese), English

LAUNCH LAB

SHOW MODULES SHOW DOCUMENTATION

**Documentation**

**LANGUAGE**

English [HTML](#) [PDF](#)

日本語 (Japanese) [HTML](#) [PDF](#)

# 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.vmtestdrive.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!

# Kubernetes Academy

<https://kubernetes.academy/>

## Courses

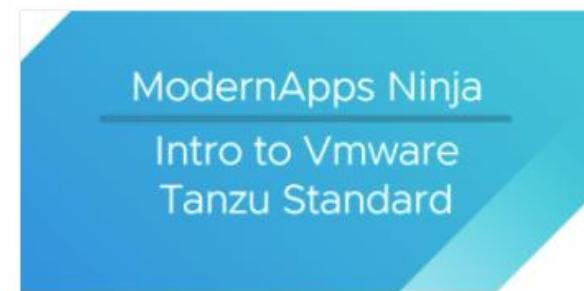
Kubernetes Academy courses are composed of a series of bite-size video lessons developed by expert instructors.

The page displays three course cards:

- Containers 101**: Basics, Beginner. This course lays the groundwork for your Kubernetes journey. You'll learn foundational knowledge on containers and how they work. 2 Lessons • 15:46
- Kubernetes 101**: Basics, Beginner. 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
- Kubernetes in Depth**: Concepts, Beginner – Intermediate. 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

## Our Courses

See All



### Intro to VMware Tanzu Standard

This course provides an introductory technical overview to VMware Tanzu Basic and Tanzu Standard

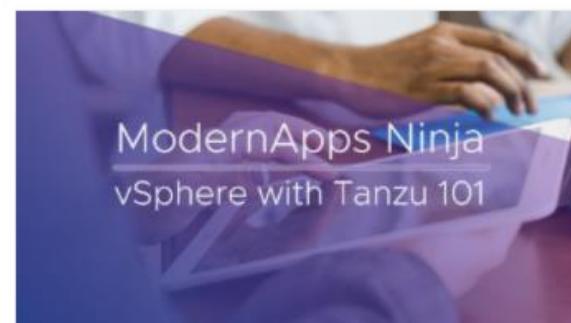
[View Course](#)



### vSphere with Tanzu 301

This Course teaches how to install and configure vSphere with Tanzu

[View Course](#)



### vSphere with Tanzu 101

This Course provides a technical introduction to vSphere with Tanzu

[View Course](#)

VMware Customer Connect Learning  
<https://www.vmware.com/learning/connect-learning.html>  
<https://vmwarelearningzone.vmware.com>

# VMware Customer Connect Learning

Featured Courses

Introduction to Network Virtualization with NSX  
Technical: Intrinsic Security  
4.2/5.0 23124

VMware Cloud Fundamentals  
Technical: Private and Hybrid Cloud  
3.4/5.0 14593

VMware Data Center Virtualization Fundamentals  
4.5/5.0 47146

VMware Server Virtualization Fundamentals (2021)  
4.4/5.0 2383

# VMware Open Source

<https://vmware.github.io>

The screenshot displays the VMware Open Source homepage with a dark blue header and a white content area. At the top center is the VMware logo, followed by the tagline "Building Open Source for Everyone". Below this is a paragraph about collaboration and project innovation. The main section is titled "Featured Open Source Projects" and contains six cards, each representing a different open-source project:

- Velero**: Backup and migrate Kubernetes applications and persistent volumes. (Icon: Blue circle with wavy lines)
- Sonobuoy**: Understand your Kubernetes cluster to ensure proper configuration. (Icon: Blue circle with stacked layers)
- Octant**: Octant is an open source developer-centric web interface for Kubernetes that lets you inspect a Kubernetes cluster and its applications. (Icon: Blue circle with a central node and lines)
- Harbor**: A trusted cloud native registry that stores, signs, and scans content. (Icon: Green circle with a lighthouse)
- Concord**: A distributed trust foundation for enterprise-grade blockchains. (Icon: Green circle with a network graph)
- Tern**: Reveals package metadata embedded in a container image; supports license compliance. (Icon: Blue circle with horizontal bars)

VMware Mangle - <https://vmware.github.io/mangle>  
Contribute at <https://github.com/vmware>



[Fork Mangle >](#)

The screenshot shows the GitHub organization profile for "VMware". The profile includes the VMware logo, location (Palo Alto, CA), website (https://vmware.com), Twitter handle (@vmwopensource), and a green "Verified" badge. Navigation links include Repositories (218), Packages, People (1.6k), Teams (379), and Projects (5). The "Repositories" tab is selected. A section titled "Pinned repositories" displays five projects:

- clarity**: UX guidelines, HTML/CSS framework, and Angular components working together to craft exceptional experiences. (TypeScript, 6.2k stars, 702 forks)
- photon**: Minimal Linux container host. (Python, 2.2k stars, 616 forks)
- pyvmomi**: VMware vSphere API Python Bindings. (Python, 1.8k stars, 711 forks)
- govmomi**: Go library for the VMware vSphere API. (Go, 1.6k stars, 642 forks)
- open-vm-tools**: Official repository of VMware open-vm-tools project. (C, 1.5k stars, 315 forks)

# 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/>



# Tour Stop #6



Blogs, Community, and More

The Extensive Guide to Using VMware Documentation Like a Pro

# Carbon Black

vmware® Carbon Black

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

## A Community for Everyone



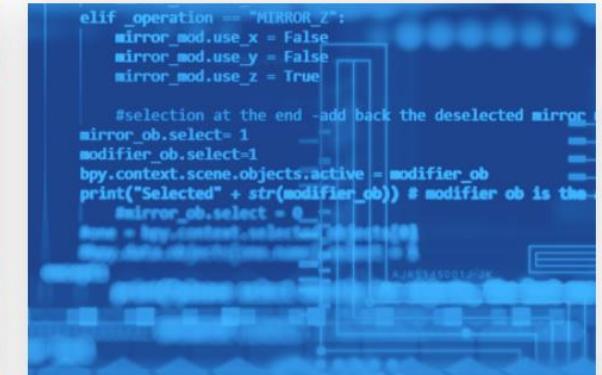
### User Exchange

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 our customers and partners.



### Defenders

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



### Developer Network

Visit the Developer Network to learn more about our 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.



VMware {code}™

<https://code.vmware.com/join>

- Forums
- SDKs
- API Reference
- Code Samples
- Slack channel
- Developer Centers
  - vSphere
  - App Modernization
  - VMConAWS
  - NSX
  - WS1
  - SD-WAN
  - vRA

## DEVELOPER EXPERIENCE

# Explore VMware API References

Integrate with VMware APIs to build on top of VMware products, manage our portfolio and automate your infrastructure.

## FEATURED API REFERENCES

### vSphere Web Services API

Manage, integrate, and monitor lifecycle of virtual machines and other infrastructure components (datacenter, network, datastores, and so on)

[GO TO API REFERENCE](#)

### vSphere Automation API

Manage and automate infrastructure operations through vSphere REST APIs

[GO TO API REFERENCE](#) [RESOURCES](#)

### Horizon View API

Manage virtual desktops and Horizon View environments

Developer Documentation -  
<https://developer.vmware.com>

### NSX-T Data Center API

Provides an agile software-defined infrastructure to build cloud-native application environments

[GO TO API REFERENCE](#)

### VMware Cloud on AWS API

Automate and manage complex environment of hybrid cloud infrastructure at scale

[GO TO API REFERENCE](#) [RESOURCES](#)

### vSAN Management API

Automate lifecycle operations of vSAN and build solutions integrated into vSAN

[GO TO API REFERENCE](#)

# 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 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

[DOWNLOAD & INSTALL](#)    [DEPLOY FUNCTIONS](#)



### 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](#)



# VMware Blogs

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

- Aggregation of VMware blogs in one spot

vmware® VMware Blogs

VMware Blogs

FEATURED ARTICLES



Cloud

## Working With Kubernetes Pipelines & Tasks In VMware Code Stream

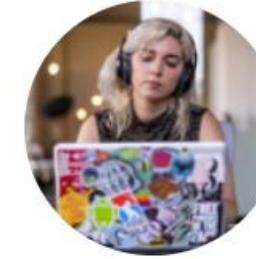
VMware Code Stream brings a great feature to manage Kubernetes clusters via tasks in Code Stream pipelines.

Mark Ukotic

All Company Cloud Security Digital Workspace Modern Apps

VMware.com | Communities

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# ESXi Arm Edition

Summary Requirements Video Changelog Comments 138 Bugs 7



October 22, 2020

v1.1

I have read and agree to the [Technical Preview License](#) I also understand that Flings are experimental and should not be run on production systems.

ESXi-Arm-ISO

Hello ESXi-Arm Fling participants!

Over the past several years, you've seen us demonstrate our virtualization technology on the Arm platform across several use cases, everything from running mission critical workloads on a windmill, to running on the SmartNIC, to running on AWS Graviton in the cloud. We realized that the resilient platform created for the datacenter can be equally valuable in non-traditional environments. We've learned a lot from exploratory discussions with customers and Arm Silicon Partners.

Now we'd like to give our customers a chance to evaluate this technology in their own environments. This evaluation program is for the enterprise architects who are considering the viability of virtualizing Arm workloads, for the test/dev team looking for a way to spin up Arm environments, and for the tinkerers who simply want to explore running ESXi-Arm in a small form factor Edge environment. We're interested to understand what features you will find most valuable, and how you will want to deploy this technology.

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

10 years of Flings - <https://octo.vmware.com/flings-amazing-decade-innovation/>

## 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 ...



# Tour Stop # 7

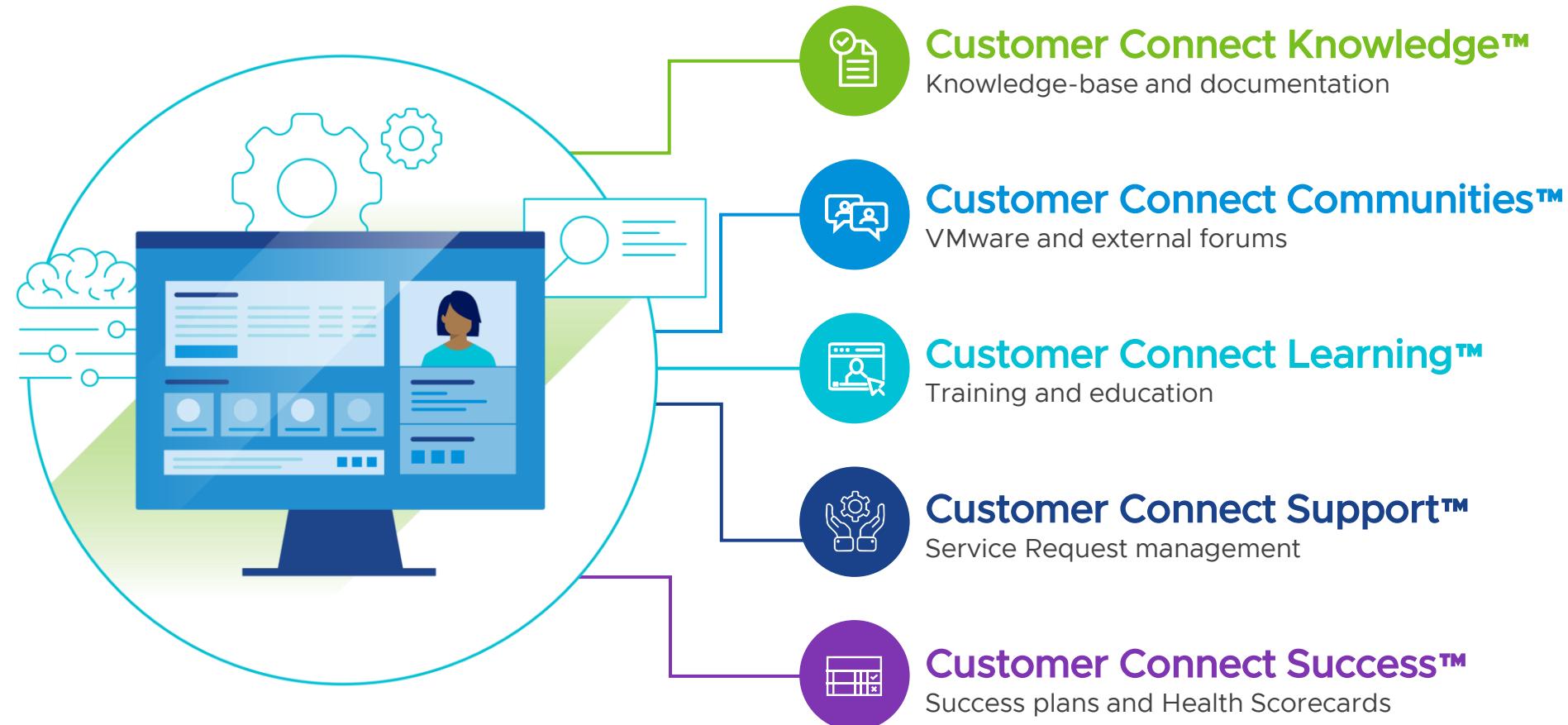
Bringing Things Together

# VMware Customer Connect

A new digital experience

## Customer Connect AI

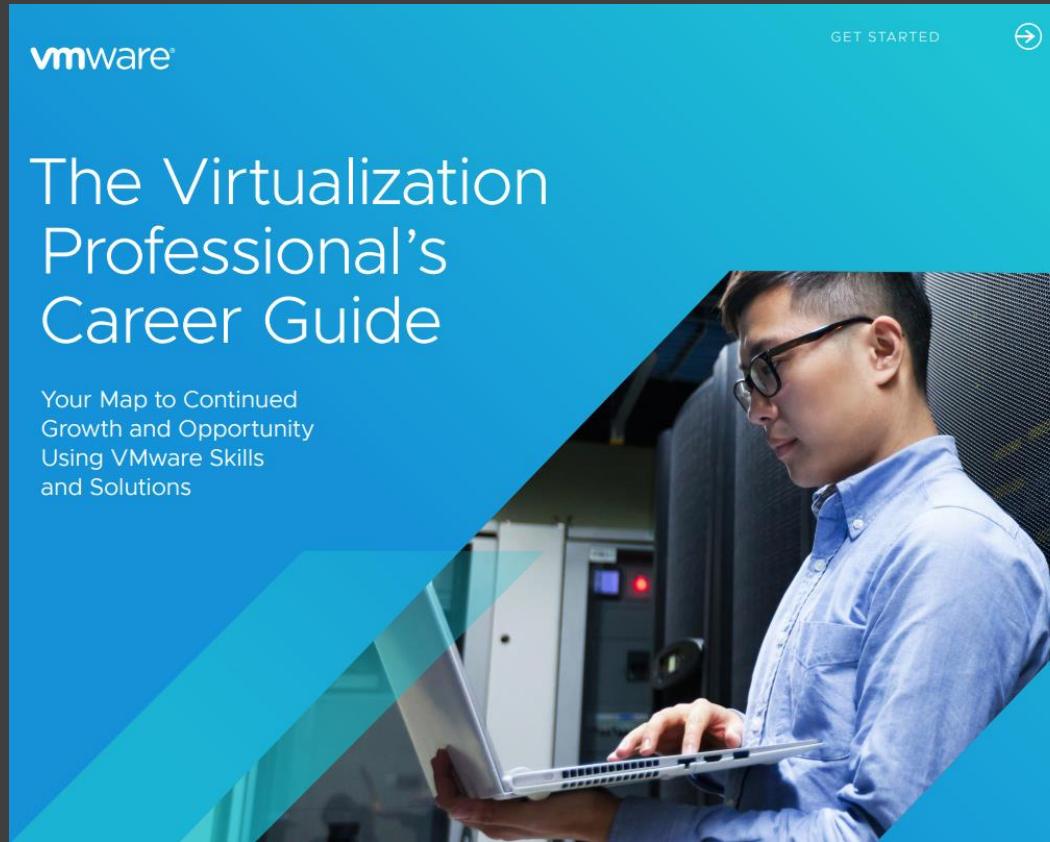
- ✓ Anticipates needs
- ✓ Provides automated guidance and assistance
- ✓ Offers predictive recommendations



## Customer Connect Pacesetter Program

# The Virtualization Professional's Career Guide

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/resources/vmw-ebook-virtualization-professionals-career-guide-uslet.pdf>



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# The Journey Continues

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