VMware Acronyms Dictionary

Acronym	Full Product/Technology Name	Product Description
AIO	Asynchronous I/O	A process that handles blocking system calls for asynchronous I/O, or nonblocking I/O. AIO is a form of input and output processing that permits other processing to continue before the transmission finishes.
COS	ESX Service Console OS	Its Linux kernel loads the VMkernel as a module and then passes complete control over the system to it. The VMkernel hypervisor in turn will then run the COS as a privileged VM.
DPM	Distributed Power Management	VMware Distributed Power Management provides power savings by dynamically consolidating workloads during periods of low resource utilization. VMs are migrated onto fewer hosts and unneeded ESXi hosts are powered off.
DRS	Distributed Resource Scheduler	VMware DRS manages the allocation of resources to a set of virtual machines running on a cluster of ESX hosts with the goal of fair and effective use of resources.
EVC	Enhanced vMotion Compatibility	vSphere virtualization that allows VMs to move between ESX/ESXi hosts on different CPUs (masks CPUs technologies to make a match between 2 or more CPUs from the same manufacturer)
EVO:RAIL	EVO:RAIL	EVO:RAIL combines VMware compute, networking, and storage resources into a hyper-converged infrastructure appliance to create a simple, easy to deploy, all-in-one solution offered by VMware partners.
Fling	Vmware Labs Flings	Apps and tools built by VMare engineers that are intended to be played with and explored. For more info, see https://labs.vmware.com/flings
FT	vSphere Fault Tolerance	VMware vSphere Fault Tolerance provides continuous availability for applications in the event of server failures by creating a live shadow instance of a virtual machine that is always up-to-date with the primary virtual machine.
GOS	Guest Operating System	An operating system that runs inside a virtual machine (Windows, Linux, Solaris x86, etc).
HOL	Vmware Hands-On Labs	VMware Hands-on Labs, are lab deployments for students. For more info, see http://labs.hol.vmware.com/HOL/catalogs/
Horizon	VMware Horizon	VDI desktop-virtualization product. Delivers virtualized and remote desktops and applications through a single platform and supports end users with access to all of their Windows and online resources through one unified workspace.
NEE	Next Education Environment project (now known as HOL)	Next-gen concept for education environments, where Vmware creates a full deployment for the estudent to learn with.
NSX	VMware NSX	Virtualized Network similar to a virtual machine for compute, a virtualized network is a fully functional network in a software container, provisioned independent of underlying hardware or topology. The NSX network virtualization platform operates on any hypervisor (not just VMware), any network hardware and integrates with any cloud management platform.
Onyx	VMware Project Onyx (Fling)	Project Onyx is a new tool in that generates code based on the mouse clicks you make in the vSphere Client.
OVA	Open Virtualization Format	Open Virtualization Format is an open standard for packaging and distributing virtual appliances or more generally software to be run in virtual machines.
OVF	Open Virtual Appliance	Single file distribution of a OVF package, stored in the TAR format. (can be opened with tar or WinRAR to see it's contents).
OVF Tool	VMware OVF Tool	The OVF Tool is a a command line utility that supports importing and exporting of OVF packages to and from many VMware products.

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P2V	Physical to Virtual	Physical to Virtual conversion process, where a VM is made from a physical machine. Can be performed by using Vmware Converter.
PowerCLI	VMware vSphere PowerCLI	PowerCLI provides more than 150 commands that give you the power to automate all aspects of VMware vSphere: storage, network, ESX, VM and more. Based on Windows PowerShell.
PSOD	Purple Screen Of Death	Similar to Windows BSOD, is a diagnostic screen (white text on purple background) that is displayed when the ESXi's VMkernel carshes due to a critical error.
RDM	Raw Device Mapping	A mechanism that enables a virtual machine to have direct access to a LUN on the physical storage subsystem (Fibre Channel or iSCSI only).
SDRS	Storage DRS	Provides recommendations for VM disk placement and migration to balance space and I/O resources across the datastores in a datastore cluster.
SRM	vCenter Site Recovery Manager	Disaster recovery solution that provides automated orchestration and non-disruptive testing of centralized recovery plans for all virtualized applications.
ThinApp	VMware ThinApp	Agentless application virtualization solution that isolates applications from their underlying operating systems to eliminate application conflict and streamline delivery and management.
VAAI	vStorage APIs for Array Integration	VMware API framework that enables storage tasks (like thin provisioning) to be offloaded from the ESXi host to the storage array, accelerating vSphere.
vApp	vSphere vApp (Virtual Application)	A vApp is a container, like a resource pool and can contain one or more virtual machines. A vApp also shares some functionality with virtual machines. A vApp can power on and power off, and can also be cloned.
VASA	vSphere Storage APIs – Storage Awareness	Vmware API framework to share information from the storage to the ESXi, like health, provisioning, space conmomption, etc.
VCA	VMware Certified Associate	Certification program which validates your knowledge of virtualization business challenges and the VMware products that solve them.
vCAC	vCloud Automation Center	VMware vCloud Automation Center drives business agility by automating the delivery of personalized IT services.
VCA-Cloud	VMware Certified Associate – Cloud	Define cloud computing and provide use case scenarios of how vCloud and cloud computing can take advantage of private and public clouds without changing existing applications and leverage a common management, orchestration, networking, and security model.
vCAD	vCloud Application Director	vCloud Application Director (formerly known as vFabric Application Director) lets you build deployment blueprints with a drag-and-drop interface.
VCA-DCV	VMware Certified Associate – Data Center Virtualization	Certified technicians will be able to define data center virtualization and provide use case scenarios of how vSphere and data center virtualization can provide cost and operational benefits.
VCAP5-DCA	VMware Certified Advanced Professional 5 – Data Center Administration	Demonstrates your expertise with VMware vSphere 5, as well as your ability to use automation tools and implement virtualized environments.
VCAP5-DCD	VMware Certified Advanced Professional 5 – Data Center Design	Certification designed for IT architects who design and integrate VMware solutions in multi-site, large enterprise, virtualized environments.
VCAP-CG	VMware Certified Advanced Professional – Cloud Governance	Coming Soon
VCAP-CIA	VMware Certified Advanced Professional – Cloud Infrastructure Administration	Certification that validates ability to install, configure, and administer complex, single and multi-tenant public/private/hybrid VMware vCloud environments.

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VCAP-CID	VMware Certified Advanced Professional – Cloud Infrastructure Design	Certification that verifies that you can define goals for your cloud infrastructure architecture, analyze elements of the framework, and make design decisions that ensure the proper physical and virtual components exist in the design.
VCAP-DCA	VMware Certified Advanced Professional 5 – Data Center Administration	Unique, lab-based exam where you will perform tasks using actual equipment to verify your skill at installing, configuring, and administering large and complex virtualized environments.
VCAP-DTA	VMware Certified Advanced Professional – Desktop Administration	Certification that validates advanced proficiency with deploying, administering, and troubleshooting large-scale, production ready, virtual desktop infrastructures that enable workforce mobility. Demonstrates your ability to install and manage highly-available and recoverable Horizon View environments, establishing policies and settings for a secure virtualized infrastructure.
VCAP-DTD	VMware Certified Advanced Professional – Desktop Design	Certification that validates your ability to design, plan, and optimize VMware View solutions. This certification signals a strong understanding of VMware View core components and their relation to the data center, as well as View design methodologies and principles.
VCA-WM	VMware Certified Associate - Workforce Mobility	You will be able to define workforce mobility and provide use case scenarios of how Horizon and workforce mobility can deliver freedom, flexibility, and manageability while connecting people to their data, applications, and desktops.
vCD	vCloud Director	VMware vCloud Director provisions software-defined data center services as virtual data centers that provide virtualized compute, networking, storage and security.
vCD-SP	vCloud Director for Service Providers	VMware vCloud Director-SP enables cloud service providers to build differentiated cloud services that are inherently hybrid aware and best fit for enterprise class organizations.
VCDX	VMware Certified Design Expert	VCDX is the highest level of certification offered by VMware. The VCDX certification allows you to highlight your enterprise-class skills in VMware Solution design and implementation.
VCDX5-DCV	VMware Certified Design Expert 5 – Data Center Virtualization	VCDX5-DCV certification is achieved through the unique design defense process, where all candidates must submit and successfully defend a production-ready VMware Solution before a panel of veteran VCDX-DCV holders.
VCDX-Cloud	VMware Certified Design Expert – Cloud	VCDX-Cloud requires enterprise-class vSphere and data center virtualization skills but the focus is on adding the VMware vCloud Suite, building out the software-defined-data center, and delivering Infrastructure-as-a-Service with comprehensive management and security.
VCDX-DT	VMware Certified Design Expert – Desktop	VCDX-DT requires enterprise-class vSphere and data center virtualization skills but the focus is on delivering virtual desktops and mobile computing solutions with the VMware Horizon Suite™ and building out the infrastructure to deliver a consistent, rich end-user experience across multiple devices.
VCDX-NV	VMware Certified Design Expert – Network Virtualization	VCDX-NV requires enterprise-class networking and network virtualization skills with a focus on VMware NSX; a revolutionary technology that transforms network operations and economics in the software-defined data center.
vCenter	VMware vCenter Server	Centralized platform for managing your VMware vSphere environments, can be installed on a Window Server, or in a preconfigured Virtual Appliance (VCSA)
VCIX-NV	VMware Certified Implementation Expert – Network Virtualization	Validates your ability to install, configure, and administer NSX virtual networking implementations in a demanding hands-on lab environment. The lab is not a simulation, candidates will work within a live and fully operational virtual appliance to complete all the objectives.
vCLI	vSphere Command-Line Interface	Command set of more than 30 command-line utilities that allows you to run sysadmin commands against ESXi systems from any machine to help you provision, configure and maintain your ESX and ESXi hosts.

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vCMA	vCenter Mobile Access	A fully configured and ready to run virtual appliance that is required to manage your datacenter from mobile devices such as smartphones and tablets (iPad).
vCO	vCenter Orchestrator	VMware vCenter Orchestrator simplifies the automation of complex IT tasks and integrates with VMware vCloud Suite components, to adapt and extend service delivery and operational management.
VCOPS	VMware vCenter Operations Manager	VMware vCenter Operations Manager is the key component of the VMware vCenter Operations Management Suite. It provides comprehensive visibility and insights into the performance, capacity and health of your infrastructure.
VCP4-DT	VMware Certified Professional 4 – Desktop	Directed toward Virtualization Systems Engineers who seek to demonstrate their ability to install and configure the VMware View environment and enable View Client users. Candidates must be able to configure the vSphere environment, possess a deep understanding of VMware core components and their relation to storage and networking and be proficient in data center design methodologies.
VCP5-DCV	VMware Certified Professional 5 – Data Center Virtualization	Confirms that you have the education needed to successfully install, deploy, scale and manage VMware vSphere environments, as well as the skills obtained by a minimum of six months experience with VMware infrastructure technologies.
VCP5-DT	VMware Certified Professional 5 – Desktop	Directed toward Virtualization Systems Engineers who seek to demonstrate their ability to install and configure the VMware View environment and enable View Client users. Candidates must be able to configure the vSphere environment, possess a deep understanding of VMware core components and their relation to storage and networking and be proficient in data center design methodologies.
VCP-Cloud	VMware Certified Professional – Cloud	Validates your ability to install, configure and administer a Cloud environment using vCloud Director and related components.
VCP-NV	VMware Certified Professional – Network Virtualization	Validates your ability to install, configure, and administer NSX virtual networking implementations, regardless of the underlying physical architecture.
vCSA	vCenter Server Appliance	OVF to Quickly deploy vCenter Server and manage vSphere using a Linux-based virtual appliance.
VDI	Virtual Desktop Infrastructure	A Virtual Desktop Infrastructure (VDI) is a desktop-oriented service that hosts user-desktop environments on remote servers. In the vSphere world VDI means Horizon View or just Horizon.
VIEW	Horizon View or Horizon (with View)	See the entry for Horizon
vMA	vSphere Management Assistant	Virtual Appliance that allows administrators and developers to run scripts and agents to manage ESXi and vCenter Server systems. vMA packages the vCLI Command Line Interface, the vSphere SDK for Perl, as well as logging and authentication modules. vMA can also host 3rd-party agents for added management power.
VMDK	Virtual Machine Disk	Open Source File Format (developed by Vmware), acts as a container for virtual hard disk drives to be used in virtual machines like VMware Workstation or VirtualBox.
VMFS	Virtual Machine File System	High performance cluster file system which provides storage virtualization that is optimized for VMs. Each virtual machine is encapsulated in a small set of files (VMDKs).
vMotion	Virtual Motion	Technology to move a VMs between ESXi hosts without downtime.
VSA	vSphere Storage Appliance	Software-based shared storage solution that enables high availability and automation in vSphere without shared storage hardware.

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VSAN	VMware Virtual SAN	Virtual SAN is a software-defined storage solution specifically designed for the software-defined datacenter. Virtual SAN's hypervisor-converged architecture enables storage and compute to run in the same physical host with minimal overhead; management is made simple through seamless integration with the vSphere Web Client and the entire VMware stack.
vShield	VMware vShield	Group of networking and security products for virtualized IT infrastructures, comprising vShield Manager, vShield Edge, vShield Zones, vShield App, vShield Data Security and vShield Endpoint. There are AV products for vShield.
VUM	VMware Update Manager	VMware vSphere Update Manager automates patch management and eliminates manual tracking and patching of vSphere hosts and virtual machines. It compares the state of vSphere hosts with baselines, then updates and patches to enforce compliance.
VVOL	Virtual Volumes	Next-gen concept for storage cabinets: a LUN that is VMDK-aware. So the ESXi host can offload tasks to the storage system per VMDK granularity.
VXLAN	Virtual Extensible LAN	Network virtualization technology that attempts to correct scalability problems associated with large cloud computing deployments. It uses a VLAN-like encapsulation to encapsulate MAC-based Layer 2 Ethernet frames within Layer 4 UDP packets.