

CheatSheet: VMware Products

VMWARE

- PDF Link: [cheatsheet-vmware-A4.pdf](#), Category: VMware
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-vmware-A4>
- Related posts: [PKS CheatSheet](#), [Cloudfoundry CheatSheet](#), [#denny-cheatsheets](#)

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1.1 VMware Overview

Name	Summary
VMware	Headquartered at 3401 Hillview Avenue, Palo Alto; 117 offices worldwide
vSphere Suite	Virtualization
vSAN	Storage
NSX	Networking
vRealize Suite	Management
VCF (VMware Cloud Foundation)	An integrated software stack for everything SDDC requires
Reference	VMware CheatSheet, Cloudfoundry CheatSheet, Wikipedia: VMware

<https://raw.githubusercontent.com/dennyzhang/cheatsheet.dennyzhang.com/master/cheatsheet-vmware-A4/vmware-overview.jpg>

1.2 Cloud Platform

Name	Summary
vCloud Suite	Enterprise-ready private cloud
ESXi	Bare Metal Hypervisor to run VMs
vCenter	Control console for all your vSphere virtualization
vSphere	
vSphere with Operations Management (vSOM)	Optimize capacity and monitor the workload performance of vSphere envs
VCF (VMware Cloud Foundation)	An integrated software stack for everything SDDC requires
VMware Cloud Services	Enable customers to run workload across private and public clouds
vmc (VMware Cloud On AWS)	Run vSphere suite on Amazon infrastructure in Public Cloud
Pulse IoT Center	Enterprise-grade IoT device management and monitoring solution
VVD (VMware Validated Design Documentation)	
VMware Cloud Provider Program Services (VCP)	
Nimbus/DevHub	Host internal test infrastructures

1.3 Cloud Native

Name	Summary
VMware PKS	VMware kubernetes solution for enterprises. On-prem and beyond. PKS CheatSheet
VMware Cloud PKS	VMware managed k8s service on top of public kubernetes service. e.g, GKE, AKS, etc
Harbor	Enterprise-ready container registry
Heptio	Heptio products and expertise unlock the full potential of upstream Kubernetes
AllSpark	Like cross datacenter istio
VIC(vSphere Integrated Containers)	It's designed to help customers adopt micro-services architectures

1.4 Storage

Name	Summary
vSAN	Clusters server disks to create radically simple, shared storage designed for VMs
Dell EMC VxRail	A fully integrated and pre-configured Dell EMC Appliance powered by vSAN and vSphere
vSphere Replication	Provides a cost-efficient and simple way to manage replication
vCenter Site Recovery Manager	Protect applications against site failures and to streamline planned migrations
hatchway	Persistent Storage for Cloud Native Applications
Virtual Volumes	Integrate external storage partner to vmware solutions

<https://raw.githubusercontent.com/dennyzhang/cheatsheet.dennyzhang.com/master/cheatsheet-vmware-A4/vmware-vsan.png>

1.5 Networking & Security

Name	Summary
NSX Data Center	Network virtualization platform for the SDDC
NSX-V	
NSX-T	SDN for cloud-native environments
AppDefense	A data center endpoint security product. Protect applications running in virtualized envs. YouTube
vRealize Network Insight	helps to build an optimized, highly available and secure network infra across multi-cloud envs
Velocloud Networks	Enables enterprises and service providers to deploy flexible and secure WAN connectivity.
VMware vCloud NFV	A fully integrated, modular, multi-tenant network functions virtualization ("NFV") platform

1.6 Cloud Management

Name	Summary
vRealize Suite	Provide transparency and control over the costs and quality of IT services.
vrops (vRealize Operationos)	Provides performance, capacity and conf management for virtual or physical infra
vRA (vRealize Automation)	Enables customers to rapidly deploy and provision cloud services
vrli (vRealize Log Insight)	On-prem logging solution. YouTube: PKS and VMware vRealize Log Insight
Log intelligence	SaaS logging solution
vcd (VMware vCloud Director)	Hybrid envs YouTube: VMware vCloud Director Overview
Wavefront	SaaS monitoring. YouTube: Pivotal Container Service (PKS) and VMware Wavefront
Cloudhealth	Container monitoring
vio	VMware Integrated OpenStack
VMware CodeStream	CI/CD as-a-service: Pipeline + Dashboard + Report. Like AWS Beanstalk
vCloud NFV	Network Functions Virtualization platform for Communications Service Providers

1.7 End-User Computing

Name	Summary
End-User Computing	Access application and data from any device of the user's choice and from any location
Workspace ONE	SSO for all apps. It's powered by VMware AirWatch and Horizon
AirWatch	Deliver unified endpoint management
Horizon 7	virtual desktops and applications

1.8 VMware Technology Alliances

Name	Summary
VMworld conference	Held in both the United States ("U.S.") and Europe
vForum conference	Held in the Asia Pacific and Japan region
Flings	Preview mode marketplace for vsphere ecosystem
Independent Hardware Vendors	
Independent Software Vendors	
VMware Service Providers	
VMware Partner Network	
Pivotal PCF	Pivotal Cloud Foundry

1.9 VMware Basic Concepts

Name	Command
Domains	SDDC, Hybrid Cloud Computing, End-User Computing(EUC)
SDDC(Software designed data center)	Compute, Storage and Availablity, Network and Security, Cloud Management and Automation
vMotion	Live Migration of Virtual Machines
DRS(Distributed Resource Scheduler)	
NUMA(Non-uniform memory access)	
vmtoolsd	a file format describes containers for virtual hard disk drives to be used by VMware
Greenfield vs Brownfield	Brownfield Development happens when improving an existing application
Hyper Converged Infrastructure	all-in-one virtualization solutions that integrate compute and software-defined storage
Thin Provisioning	
Static Provisioning	
Turnkey Solution	
Lifecycle Management	
Airgap envs	
Co-located	
Operational Efficiency	
Developer Productivity	
Conformance and Compatibility	
Governance	

1.10 More Resources

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