

# 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                     | CheatSheet: IT Infrastructure Fundamentals, Wikipedia: VMware           |
| Reference                     | VMware CheatSheet, Cloudfoundry CheatSheet                              |

<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  |
| AllSpark                           | Like cross datacenter istio  |
| VIC(vSphere Integrated Containers) | It's designed to help customers adopt micro-services architectures                 |
| Heptio                             | Heptio products and expertise unlock the full potential of upstream Kubernetes     |
| Heptio - ark                       | k8s backup/restore: CRD + snapshot disk. Link: <a href="#">heptio ark</a>          |
| Heptio - sonobuoy                  | K8S diagnostic tool: conformance test, workload debug, data collection             |

## 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 Operations)  | 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 Misc

| Name                        | Summary |
|-----------------------------|---------|
| VAC (VMware Analytic Cloud) |         |

## 1.9 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                              |

## 1.10 More Resources

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<http://www.elasticksky.co.uk/mind-maps/>