

CheatSheet: Virtualization & VMware VSphere

CLOUD

- PDF Link: [cheatsheet-virtualization-A4.pdf](#), Category: Cloud
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-virtualization-A4>
- Related posts: CheatSheet: SDN, CheatSheet Curl, #denny-cheatsheets

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1.1 Typical Hypervisors

| Name | Command |
|--------------|---------|
| vSphere | |
| kvm/kvm2 | |
| Hyperv | |
| virtualbox | |
| vmwarefusion | |

<https://raw.githubusercontent.com/dennyzhang/cheatsheet.dennyzhang.com/master/cheatsheet-virtualization-A4/vsphere-schedule-drs.png>

1.2 Basic Concepts

| Name | Command |
|-------------------------------------|--|
| Thin Provisioning | |
| co-located | |
| DRS(Distributed Resource Scheduler) | |
| NUMA(Non-uniform memory access) | |
| vmdk | a file format describes containers for virtual hard disk drives to be used in VMware Workstation |

1.3 VSphere Concepts

| Name | Summary |
|----------------|---|
| vSphere | a software suite. ESXi, vSphere client and vCenter are components of vSphere |
| ESXi | virtualization server. All the virtual machines or Guest OS are installed on the ESXi server. |
| vSphere client | allows administrators to connect to ESXi servers and access or manage virtual machines |
| vCenter | |
| vMotion | |
| VMDK | |
| ova | |

1.4 Typical Container Runtime

| Name | Summary |
|---------|--|
| dockerd | |
| rkt | a pod-native container engine for Linux. |
| CRI-O | Open Container Initiative-based implementation of Kubernetes Container Runtime Interface |

1.5 More Resources

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