1 CheatSheet: VMware VSphere   VMware

- PDF Link: cheatsheet-vsphere-A4.pdf, Category: Infra

- Blog URL: `https://cheatsheet.dennyzhang.com/cheatsheet-vsphere-A4`

- Related posts: PKS CheatSheet, Cloudfoundry CheatSheet, #denny-cheatsheets

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1.1 VSphere Features/Concepts

Name	Command
DRS(Distributed Resource Scheduler)	
VMware vMotion	Live Migration of Virtual Machines
Compute Policies	Configure policies to make DRS automatically enforce VM placement constraints
Content library	
Auto Deploy	
VCSA	vCenter Server Appliance
EAM (ESXi Agent Manager)	A service that exists in vCenter

1.2 VSphere Trouble Shooting

Name	Command
ssh to vc	`ssh root@VC_IP`
Conf files	`/etc/vmware`
Log files	`/var/log/vmware`

1.3 VSphere Tools

Name	Command
CheatSheet: VMware Govmomi	`govc`
ovftool	VMware Open Virtualization Format Tool

1.4 VSphere 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 Autom
VMware vmdk	a file format describes containers for virtual hard disk drives to be used by VMware
NUMA(Non-uniform memory access)	
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
Airgap deployment	Electrically disconnected (with a conceptual air gap) from all other networks
Co-located	To locate or be located at the same env
Separation of concerns	Different roles have different focus or use cases
Thin Provisioning	
Static Provisioning	
Turnkey Solution	
Lifecycle Management	
Operational Efficiency	
Developer Productivity	
Conformance and Compatibility	
Governance	
Trial-and-error methods	
Feature toggle	
Data breach	
Bootstrap issue	
Storage locality	
Fault domain	
Operational responsibility	
Reference	VMware CheatSheet, IBM CheatSheet, Cloudfoundry CheatSheet

1.5 Operations Per Stages

Name	Command
Day 0	Install
Day 1	Configure & Operate
Day 2	Optimize, Compliance
Reference	Link: VMware infrastructure

https://raw.githubusercontent.com/dennyzhang/cheatsheet.dennyzhang.com/master/cheatsheet-infra-A4/day2ops.png

1.6 Common Thinking Workflow/Questions

Name	Command
How often customers may bump into the issues/slowness?	
Newly created clusters vs existing clusters?	
I know the issue, but is now the good timing to solve it?	
What if XXX get compromised?	
When the errors happen?	In provision; After provision; During upgrade
Normal path works; Customization won't work	
Whether customers are easy to maintain?	

1.7 More Resources

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