

1 CheatSheet: IT Infrastructure Fundamentals

VMWARE

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

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1.1 Basic Concepts

Name	Command
Reference	VMware CheatSheet, IBM CheatSheet, Cloudfoundry CheatSheet
Domains	SDDC, Hybrid Cloud Computing, End-User Computing(EUC)
SDDC(Software designed data center)	Compute, Storage and Availability, Network and Security, Cloud Management and Automation
VMware vMotion	Live Migration of Virtual Machines
DRS(Distributed Resource Scheduler)	
NUMA(Non-uniform memory access)	
VMware vmdk	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
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	Each section addresses a separate concern
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	

1.2 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>

1.3 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?	

1.4 More Resources

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