

# 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 vm disk	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	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	

## 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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