

CheatSheet: Networking In Cloud Infrastructure

TOOLS

- PDF Link: [cheatsheet-networking-A4.pdf](#)
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-networking-A4>
- Category: kubernetes

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1.1 Basic Concepts

Name	Command
BGP(Border Gateway Protocol) eBGP/iBGP	Among autonomous systems (AS) on the Internet .
NAT(Network address translation) SNAT/DNAT	Allow you to hide the IP addresses.
East/West traffic	
North/South traffic	
Overlay networks	
L2 networking	L2 bridge
L3 networking	Two different networks communicate with each other
L7 networking	
LAG	
Transport Network	
BFD	BFD can be used for BGP peers but also for static routes

1.2 Switch

Name	Command
Logical Switch	Spin up isolated logical L2 networks
OVS (Open vSwitch)	
VLAN	
VXLAN	
VNI	
TEP table	

1.3 Router

Name	Command
LR(Logical Router)	Create multiple routing domains with a single router. It composes: DR and SR
Two-tier routing	T0-router(physical routing infra), T1-router(per tenant first hop router)
Uplink	Used to connect to physical infrastructure
Router Link	Used to interconnect Tier0 and Tier1 Logical routers
Downlink	Used to connect logical switches
LRP	
Static Routing/Dynamic Routing	
DR(Distributed Router)	
SR(Service Router)	

https://raw.githubusercontent.com/dennyzhang/cheatsheet.dennyzhang.com/master/cheatsheet-networking-A4/two_routers.png

1.4 VMWare NSX-T Concepts

Name	Command
NSX Edge Node	Provides routing services and connectivity to networks external to NSX-T deployment
NCP	NSX-T container plugin CNI
N-VDS	NSX Virtual Distributed Switch
LCP(Local Control Panel)	
CCP(Central Control Panel)	

1.5 NSX-T Components

Name	Command
Plane agent	Every node hosts a management plane agent.
NSX Controller Cluster	
NSX Manager node	hosts API services.
NSX Controller nodes	host the central control plane cluster daemons.
Transport nodes	host local control plane daemons and forwarding engines.

1.6 More Resources

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