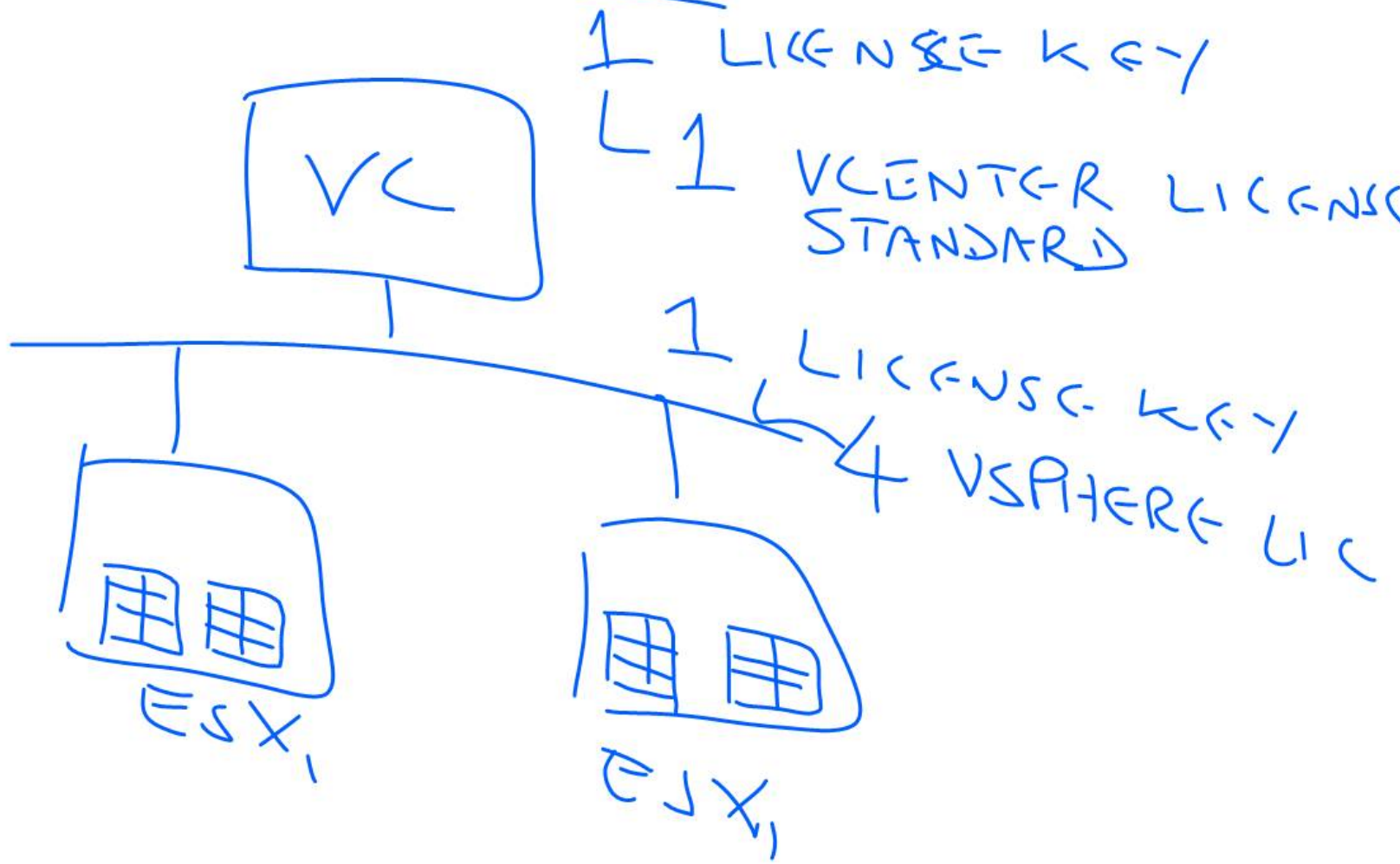
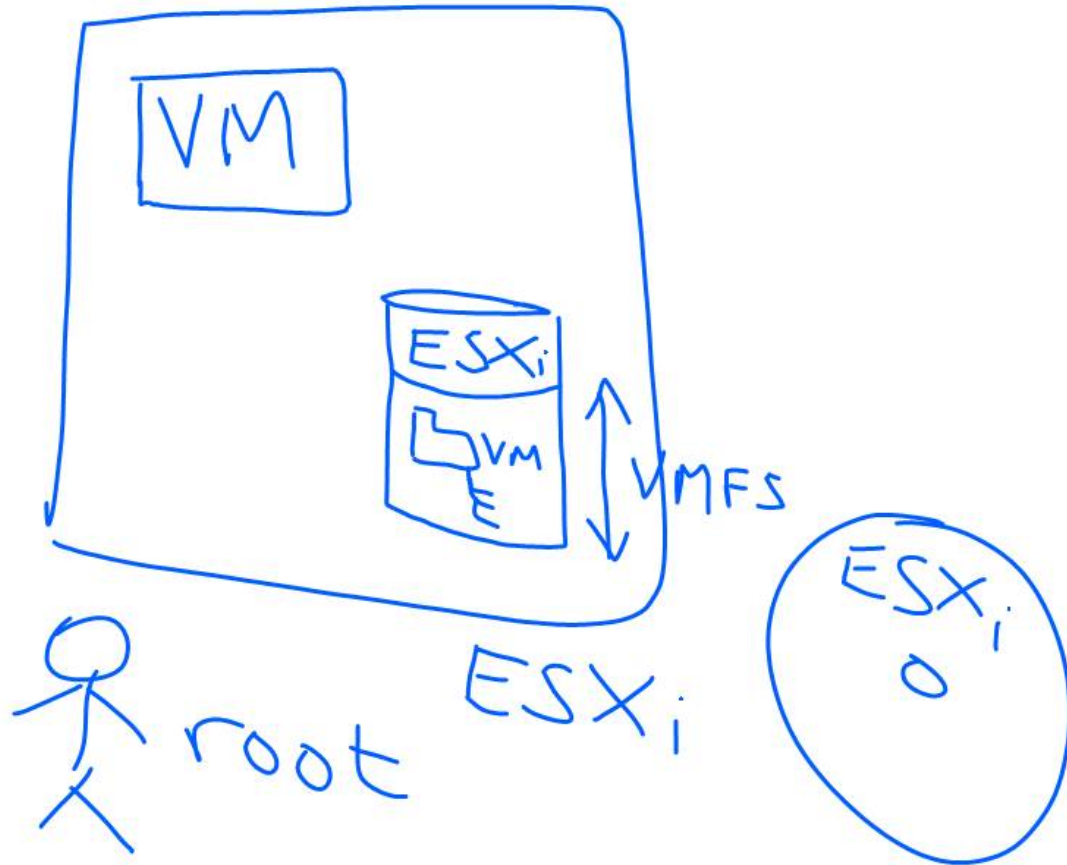


Licensing

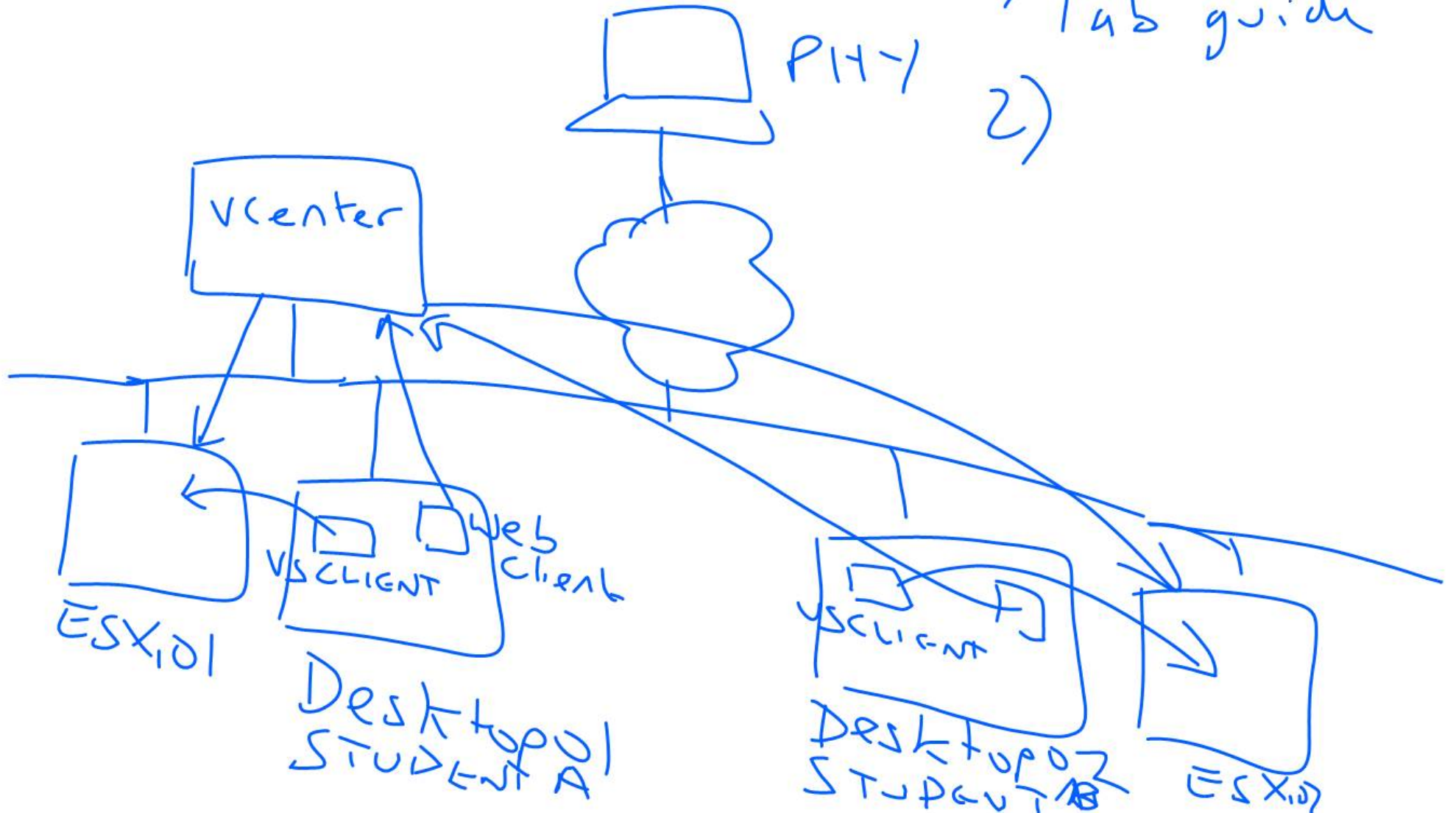


A TYPICAL INSTALL

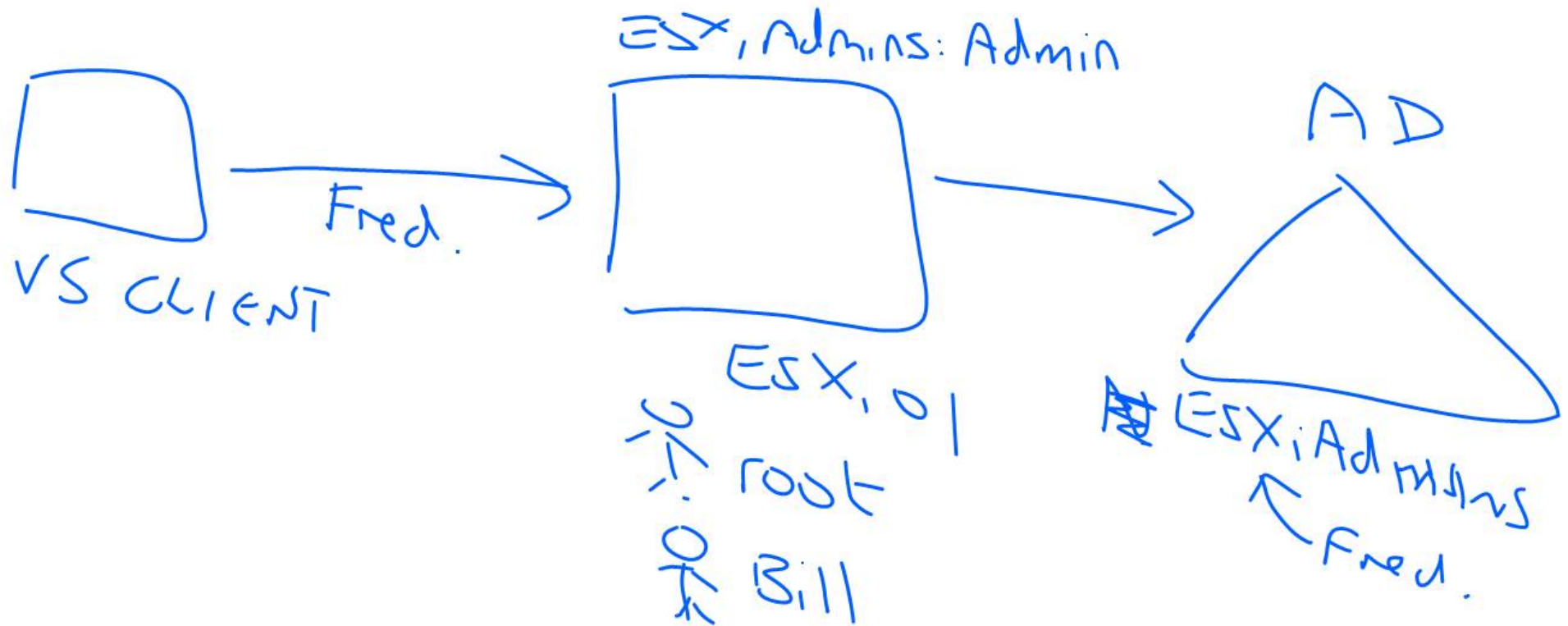


LABS

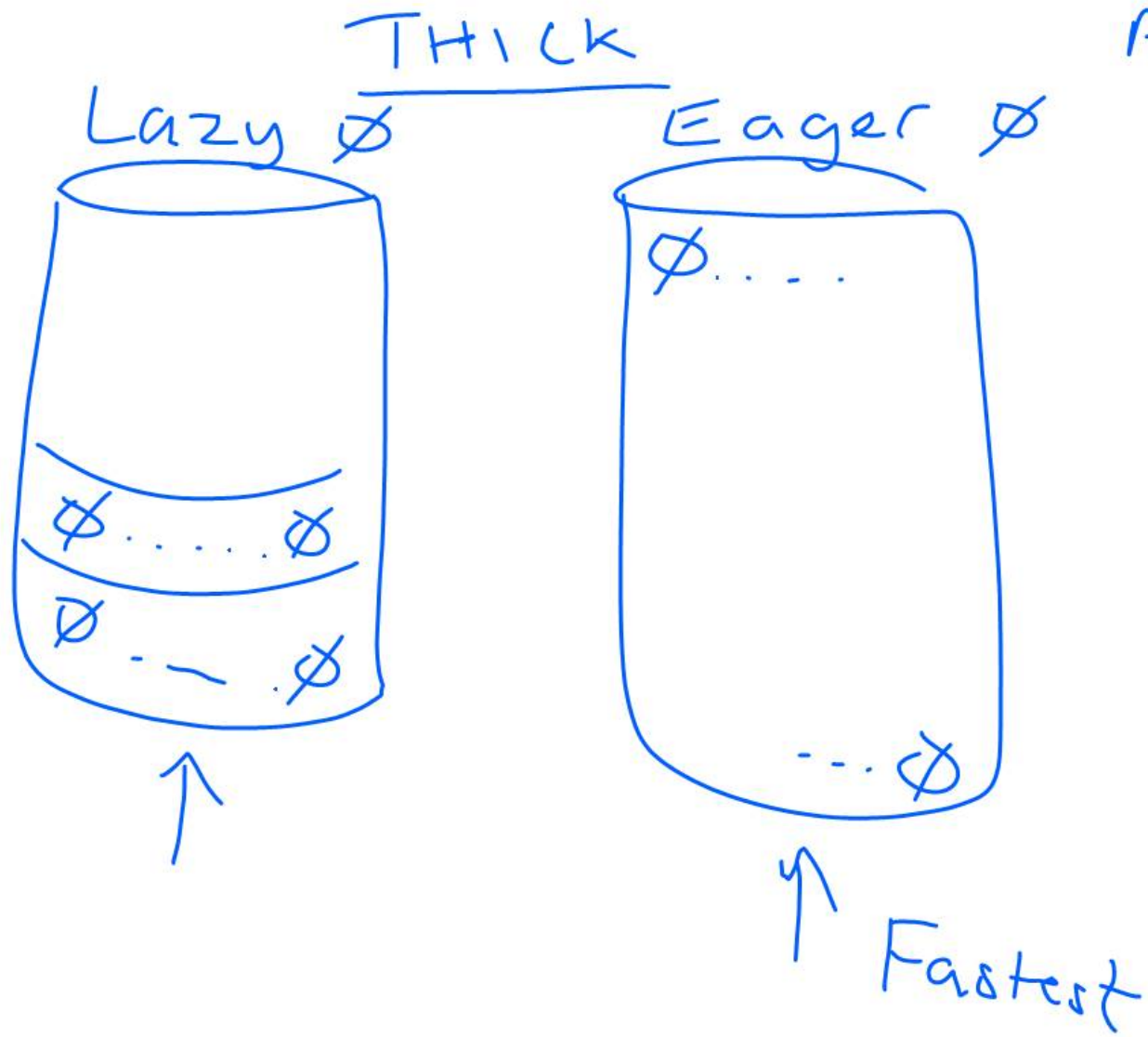
- 1) ecourseware lab guide
- 2)

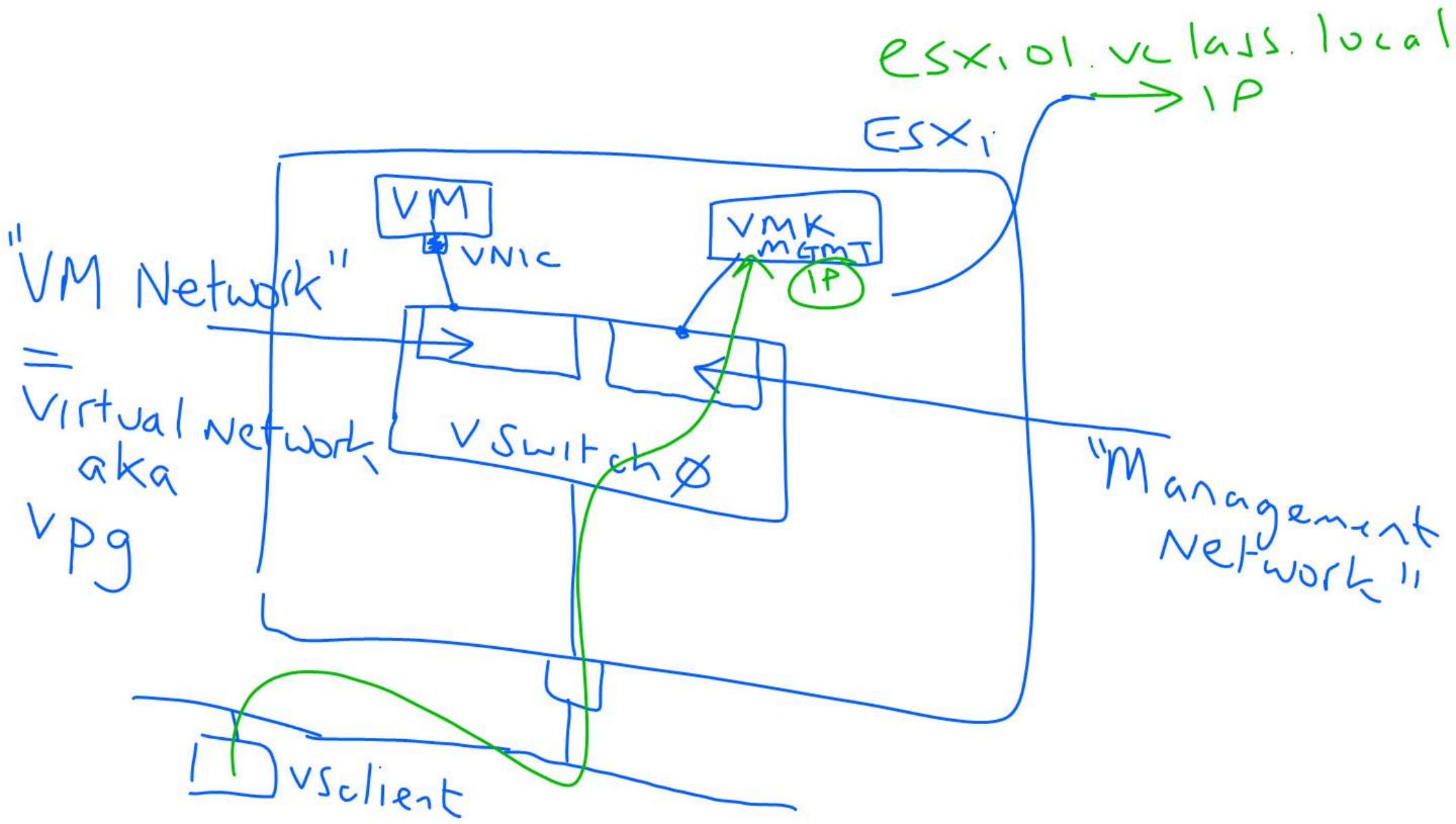


ACCESS HOST DIRECTLY



VAAI
Accelerates
this





VCENTER

WINDOWS
SUR 64 BIT

DB

Embedded (RST groups)
~~EXT~~ EXT

SQLMS ORACLE } 20 Hosts
} 10000 hosts!

LINUX APPLIANCE

VM

DB

1000 Hosts
Embedded
SQLMS
ORACLE

MULTIPLE
VCENTERS
- Reasons

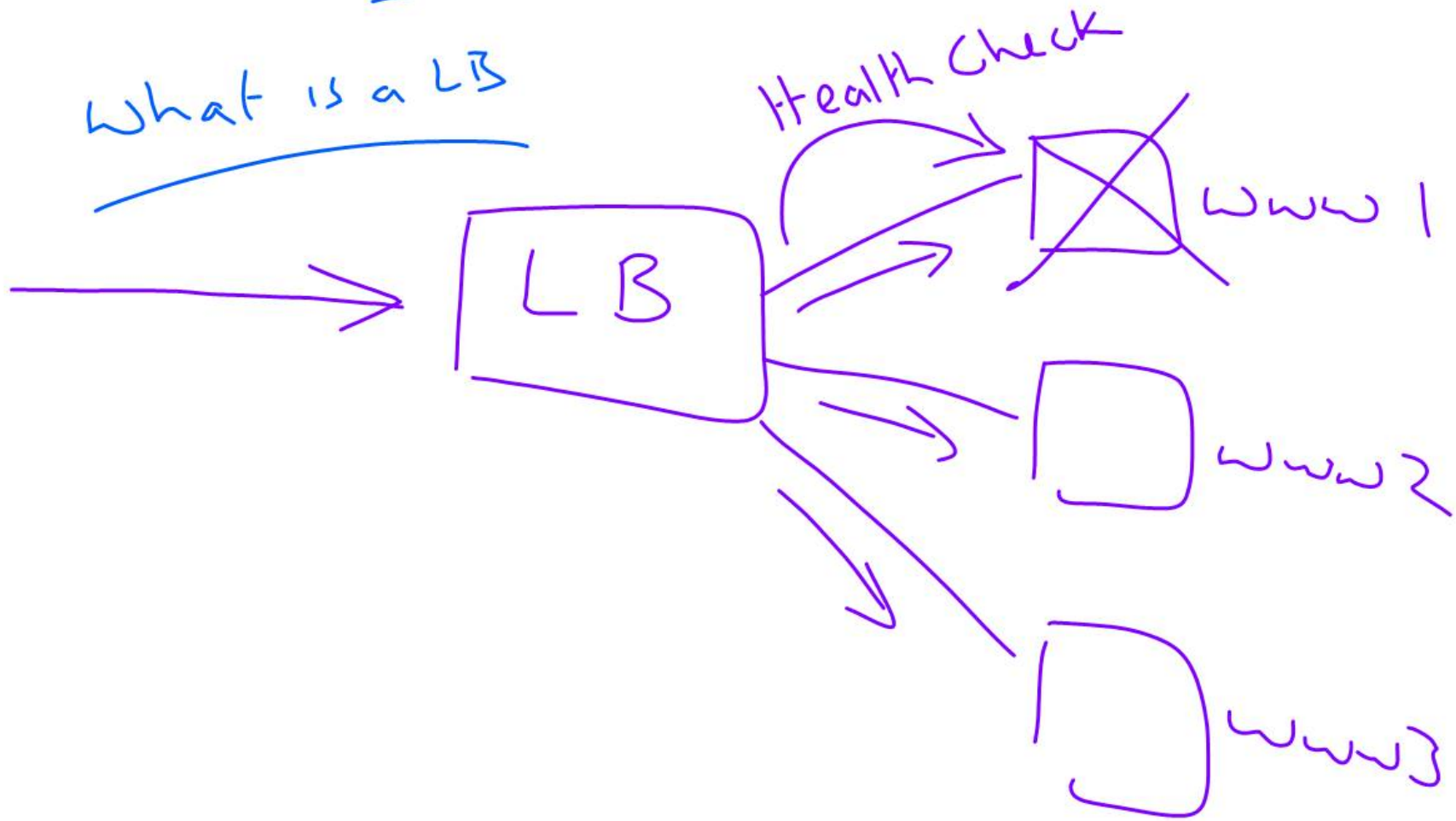
DR

Prod v Dev / Test / QA

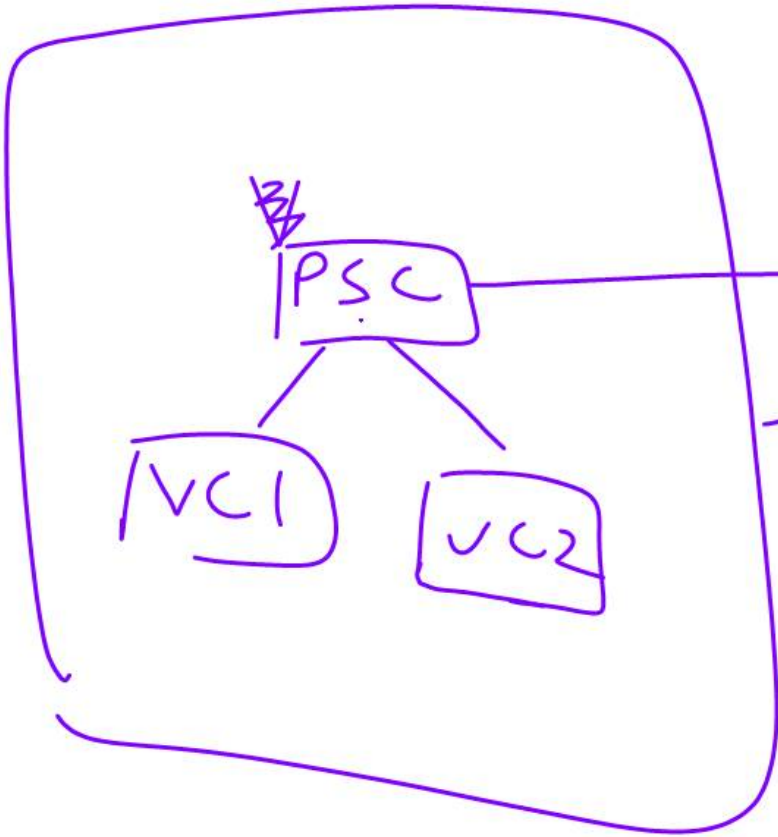
SCALABLE > 1000 HOSTS

PSC can be load balanced.

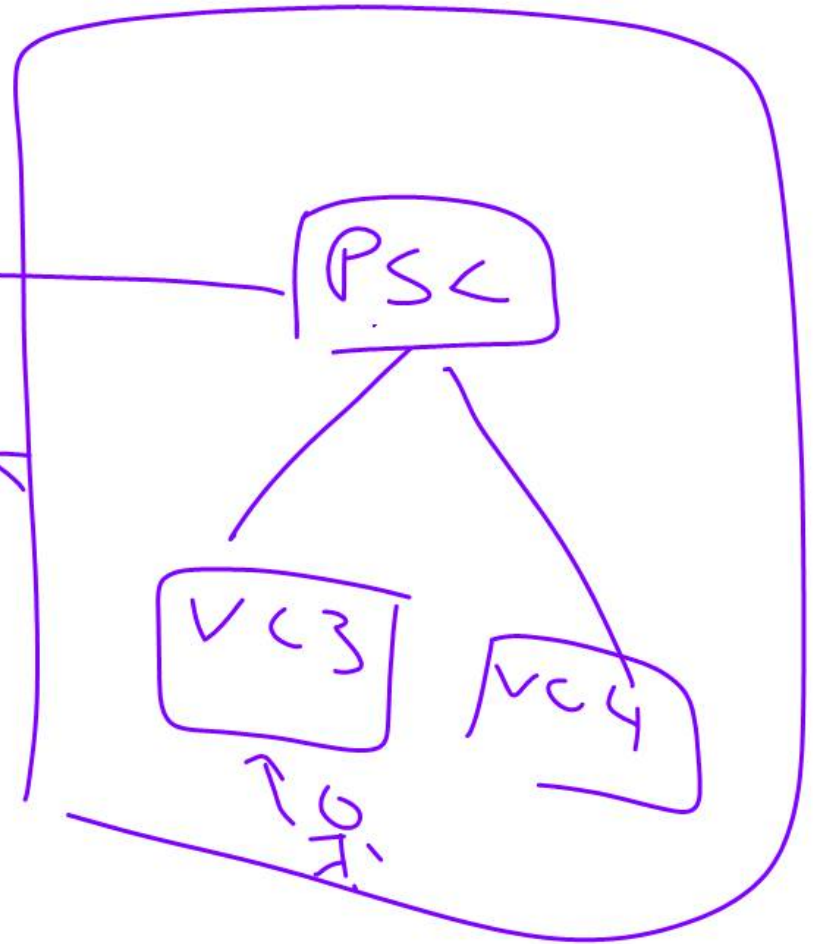
What is a LB

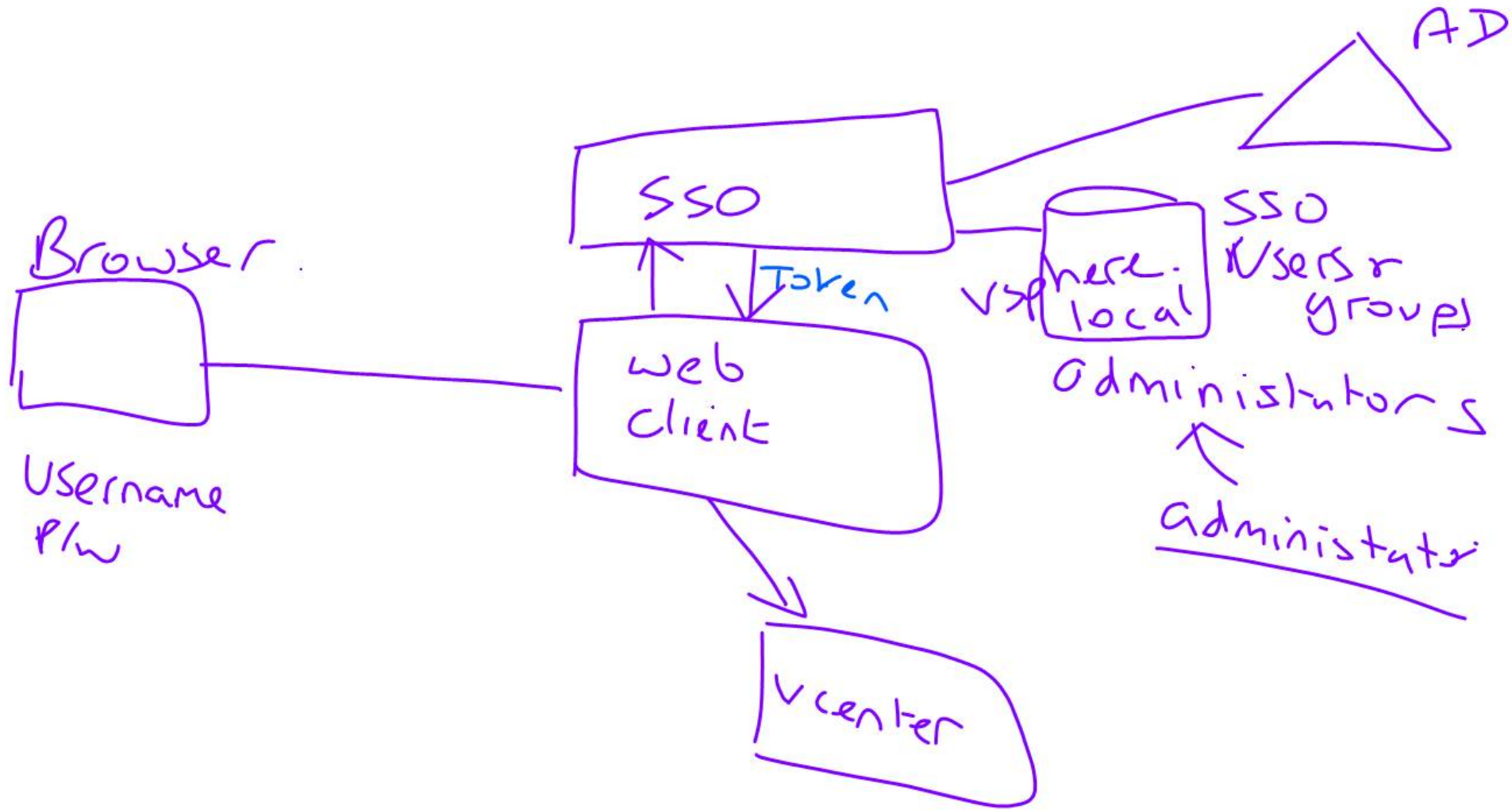


Site A



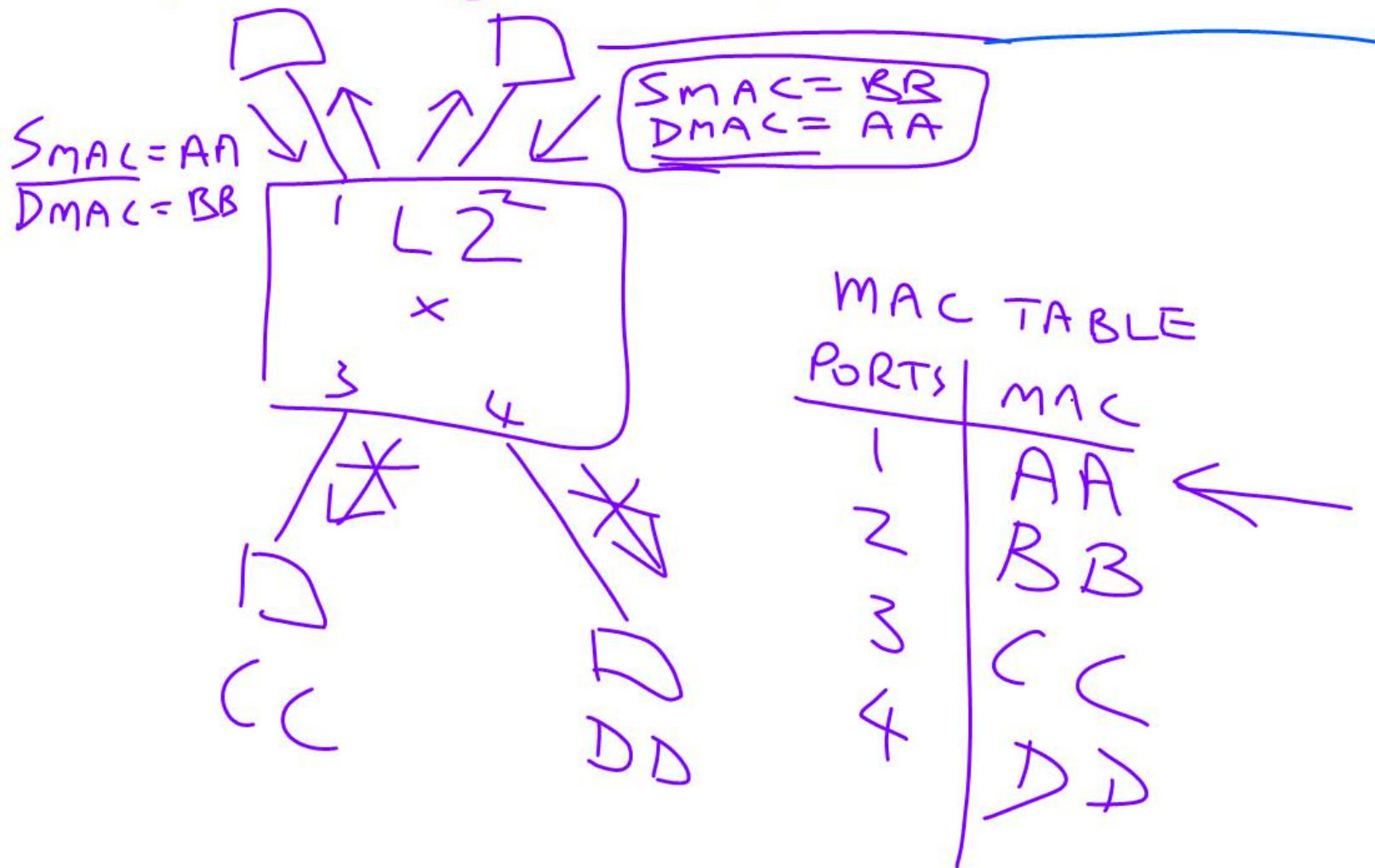
Site B





SAML

Physical Switching

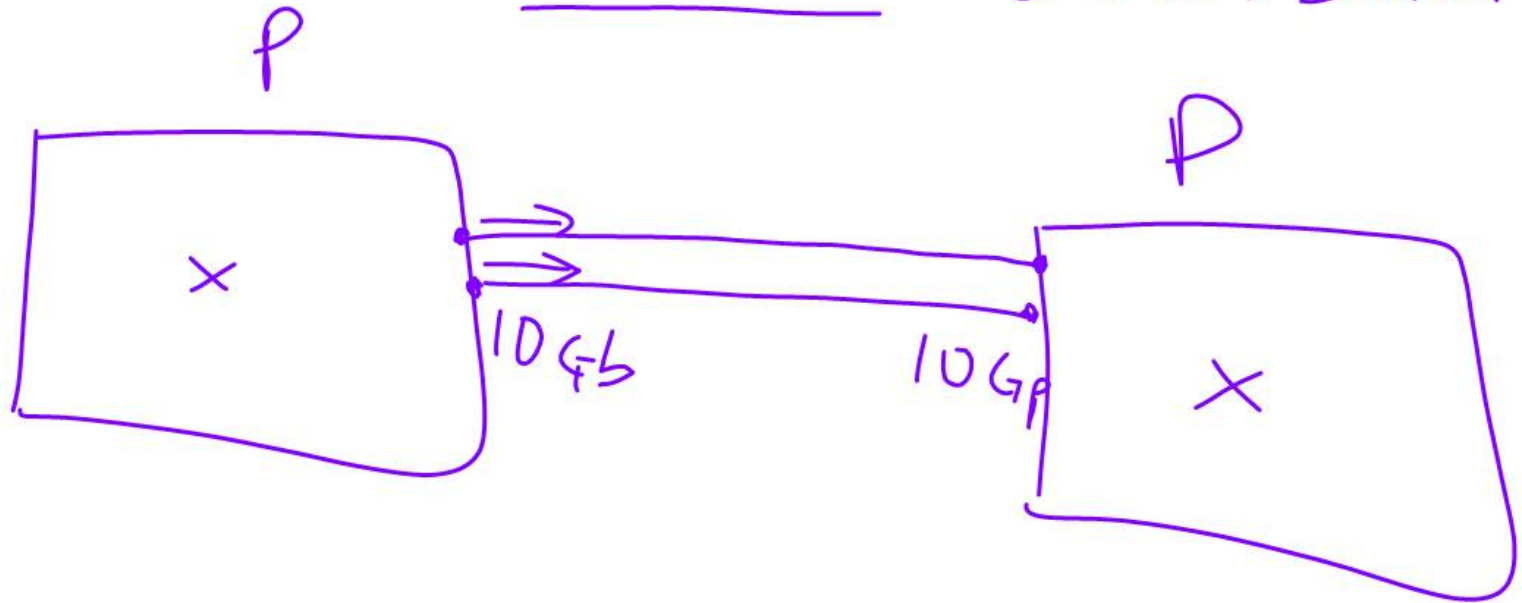


HUB

Forwards everywhere



LAG - 802.3ad

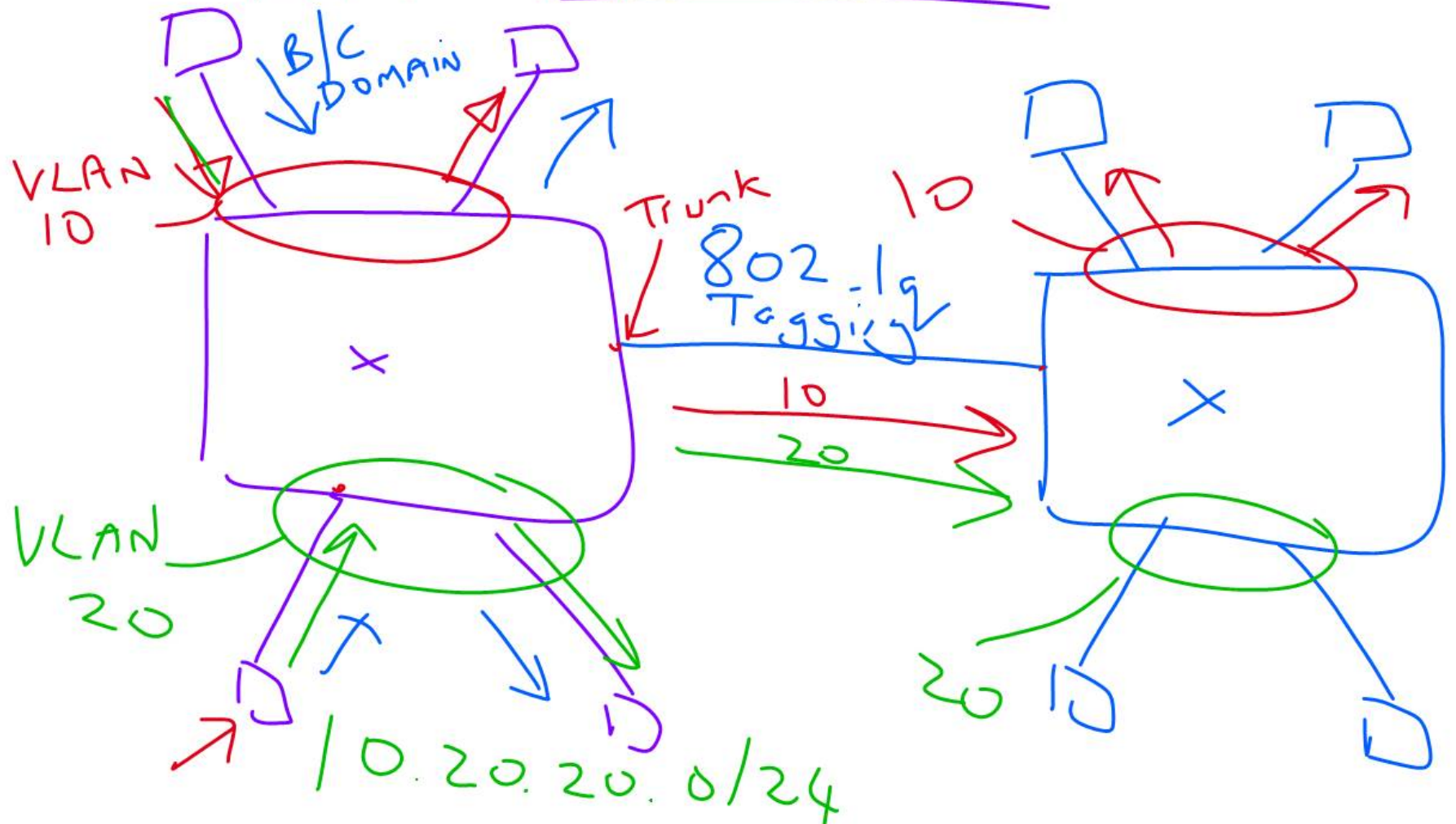


ARP

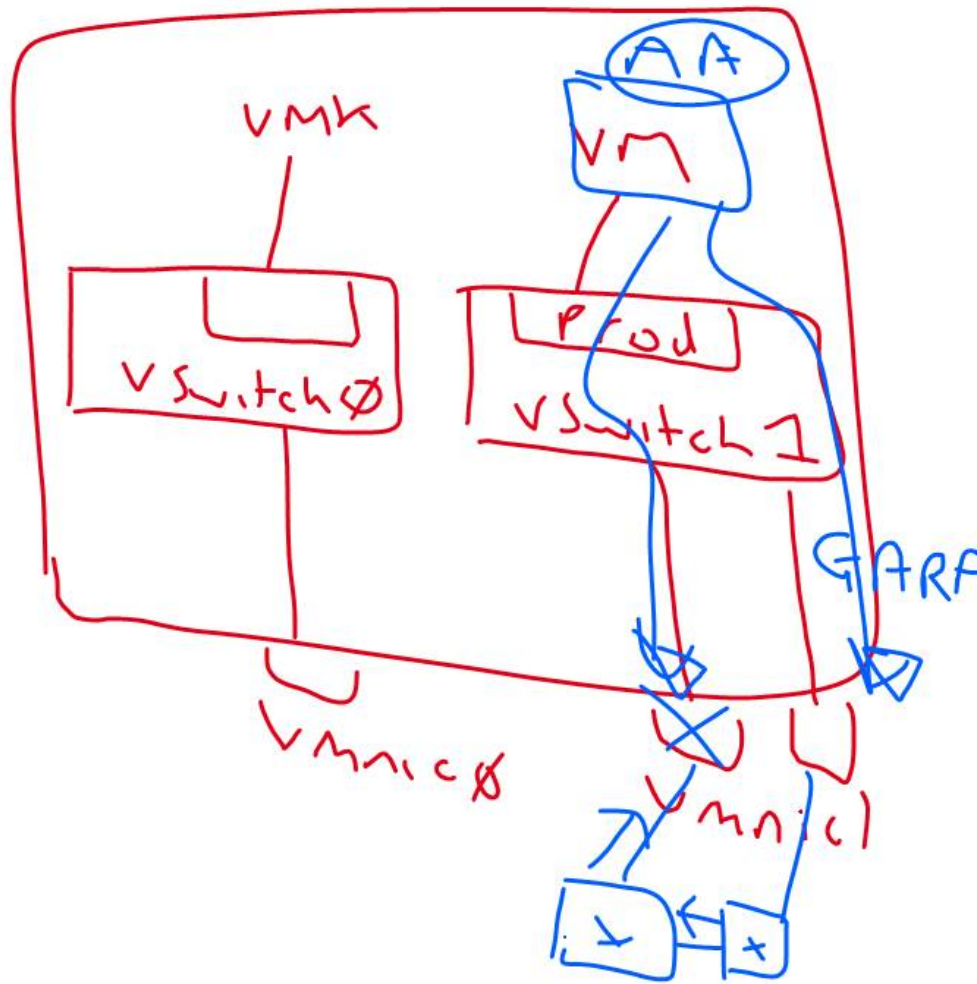
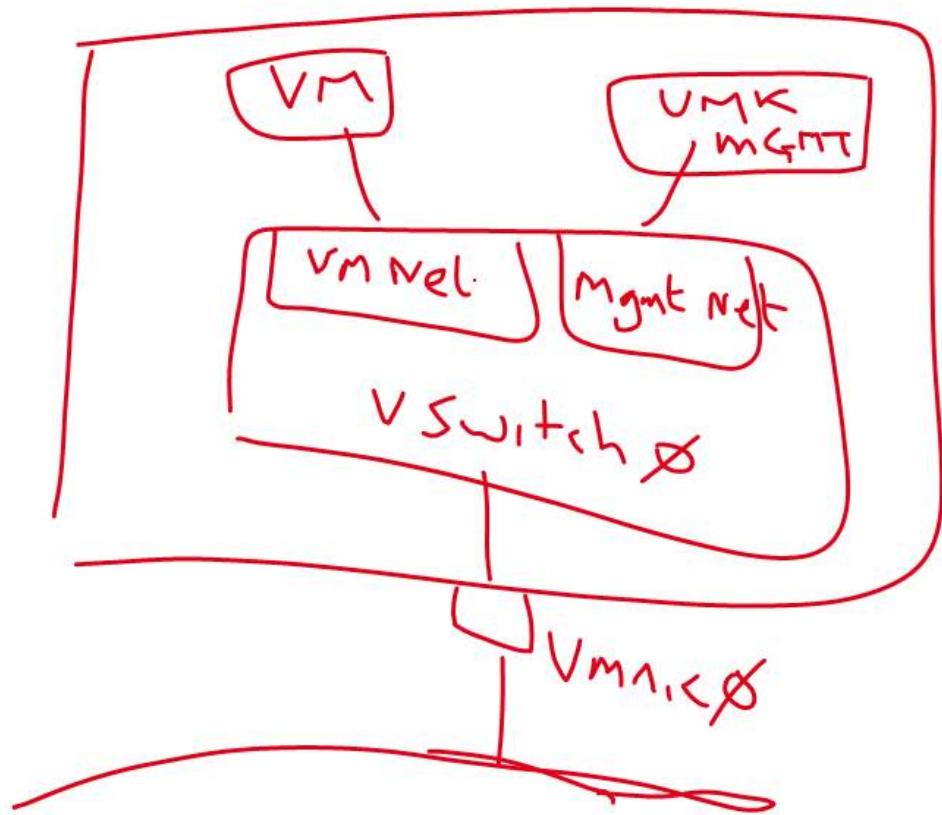
~~SW~~ INT fa 1/0
Switchport - access vlan 10

VLANs

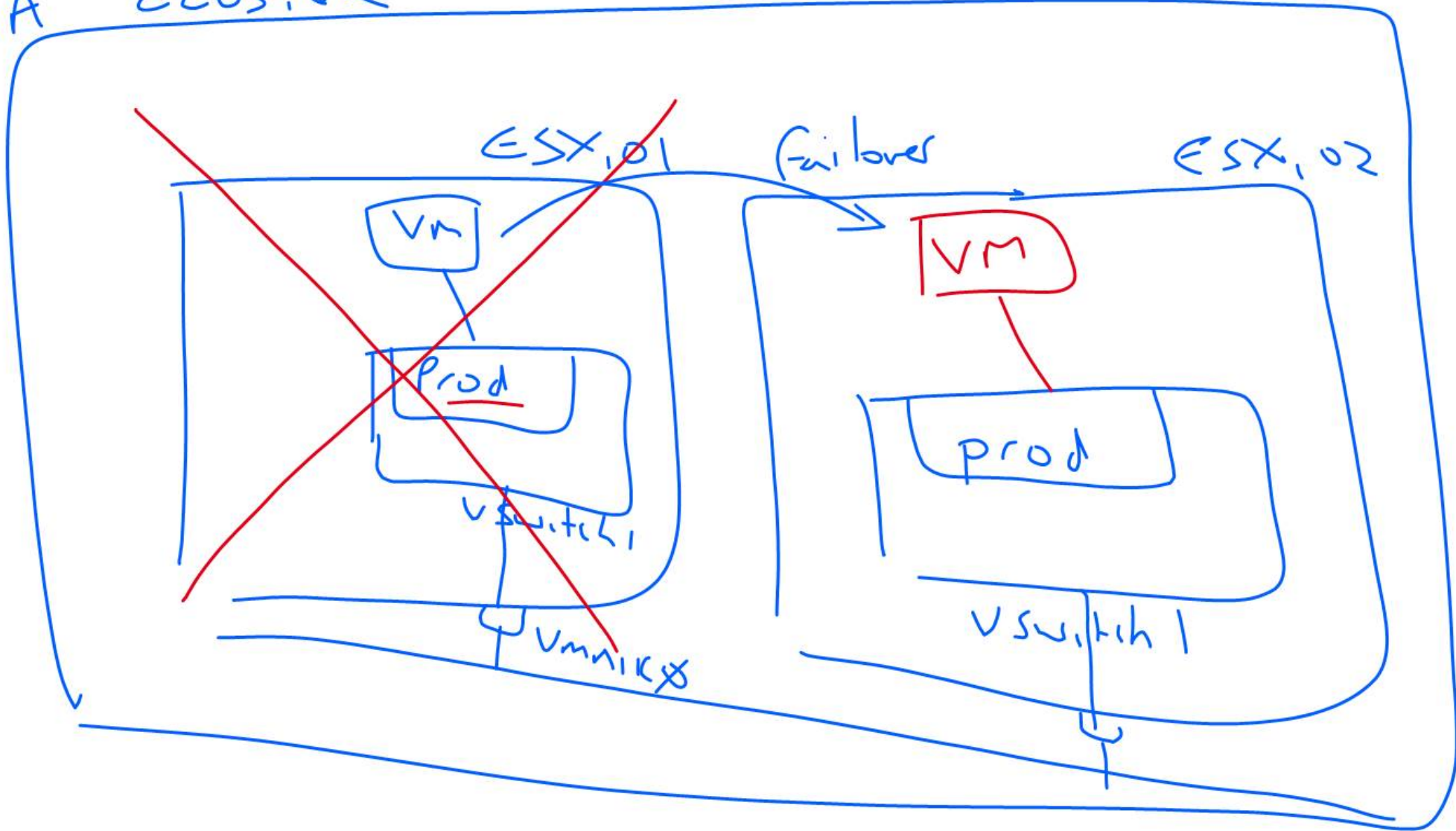
10.10.10.0/24



Lab



HA CLUSTER

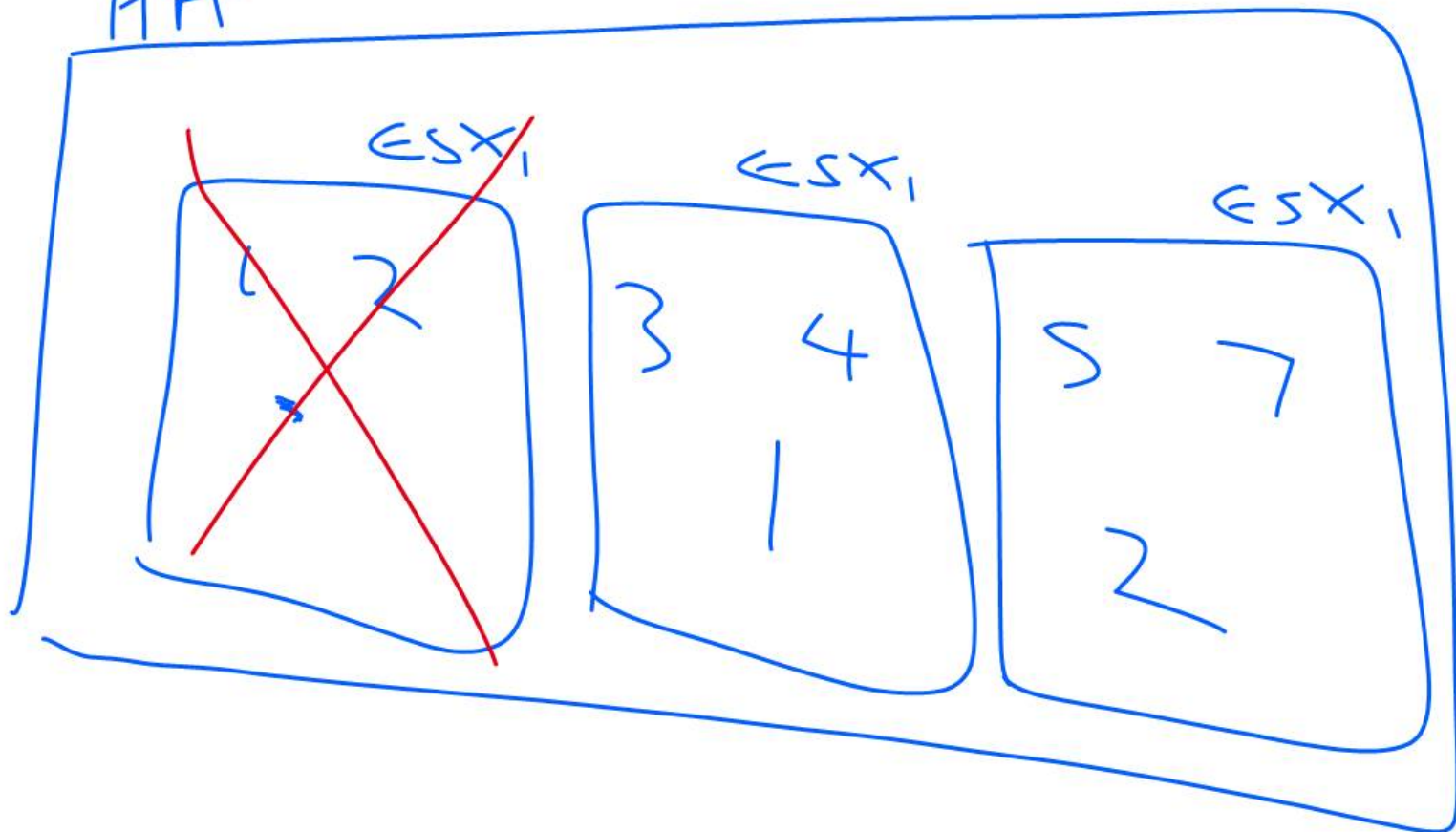


DVS
vcenter

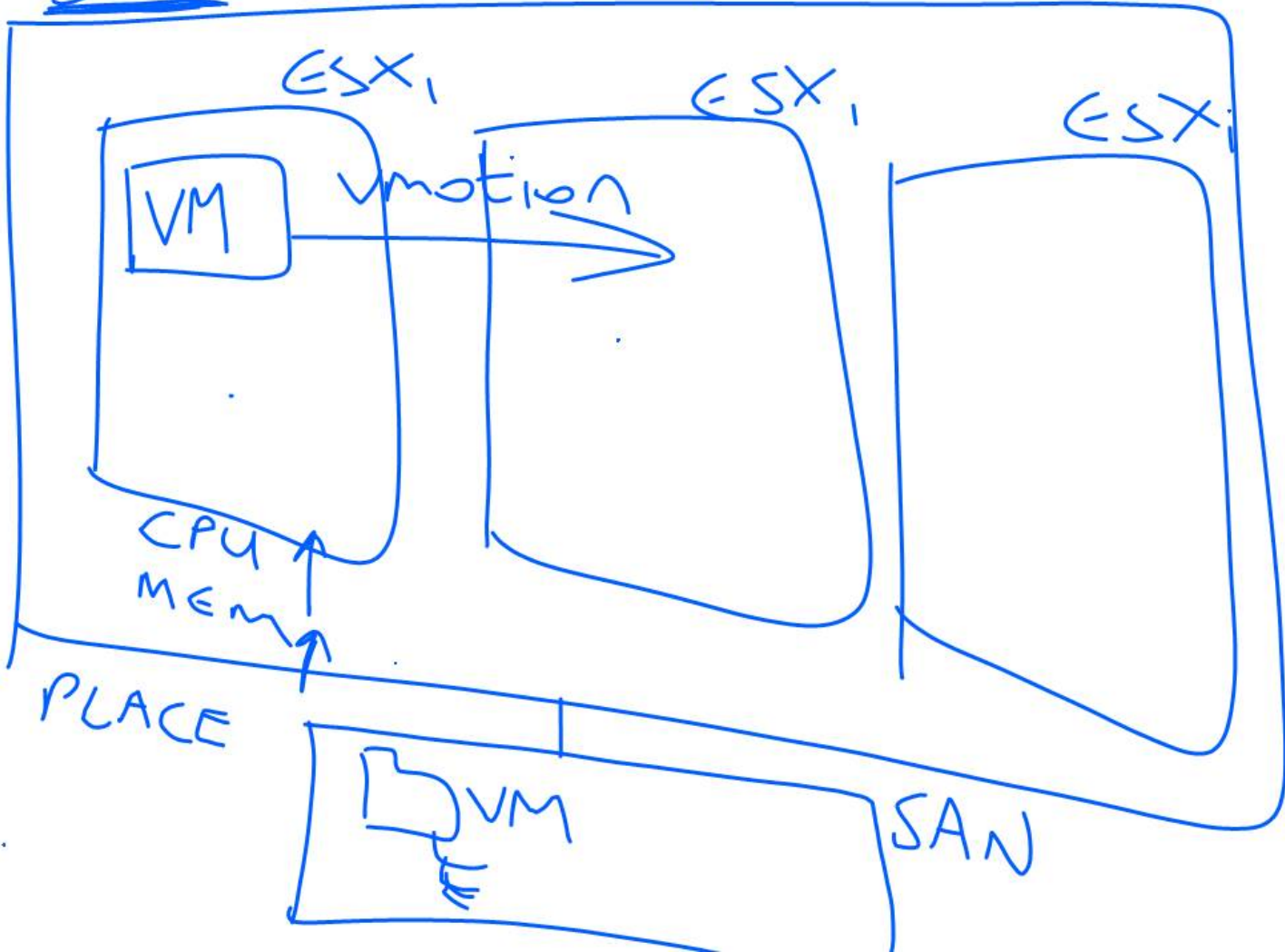
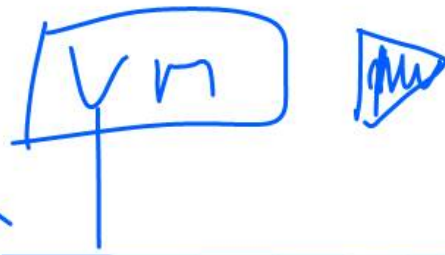


CLUSTERS

HA

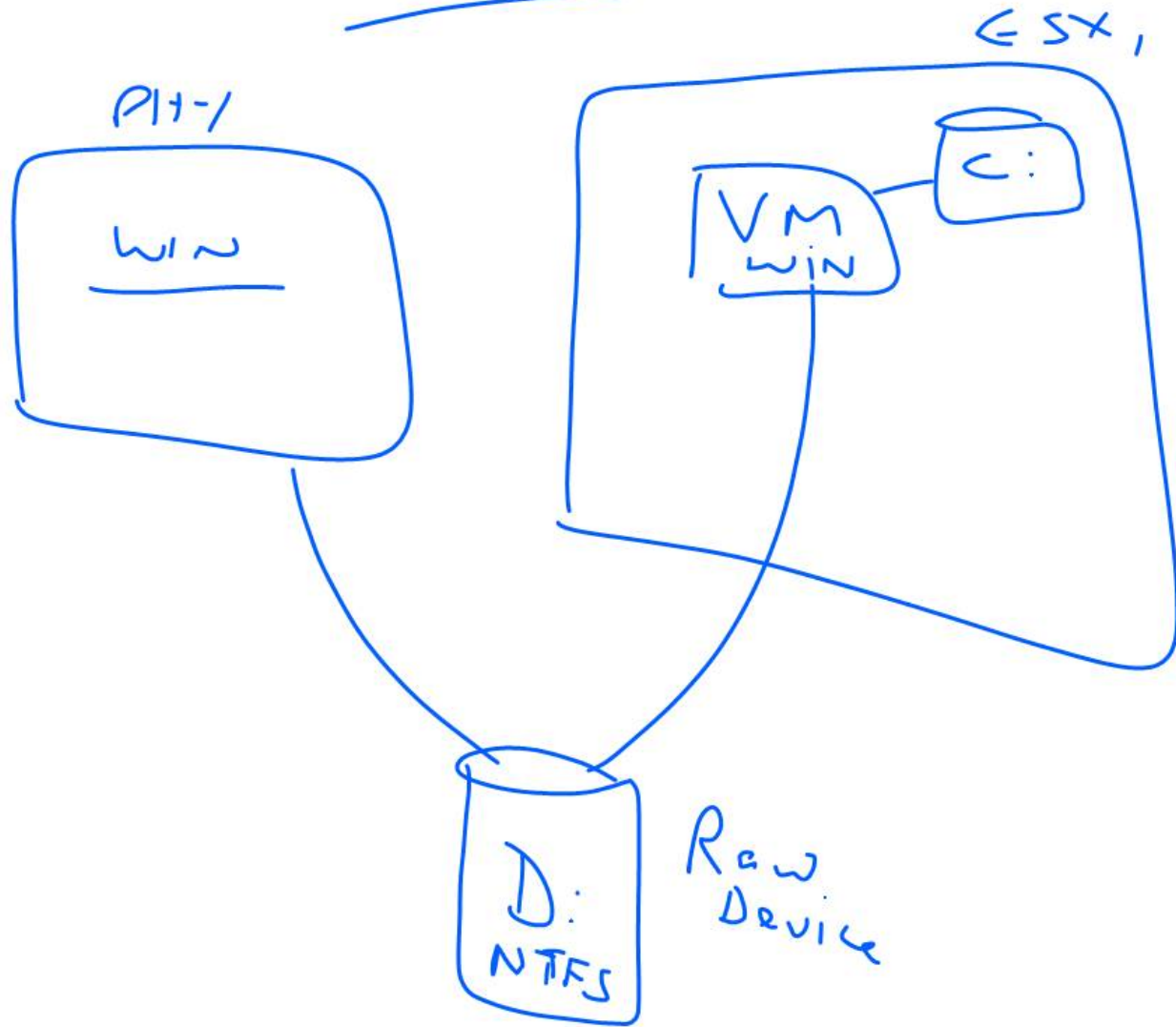


DRS CLUSTER

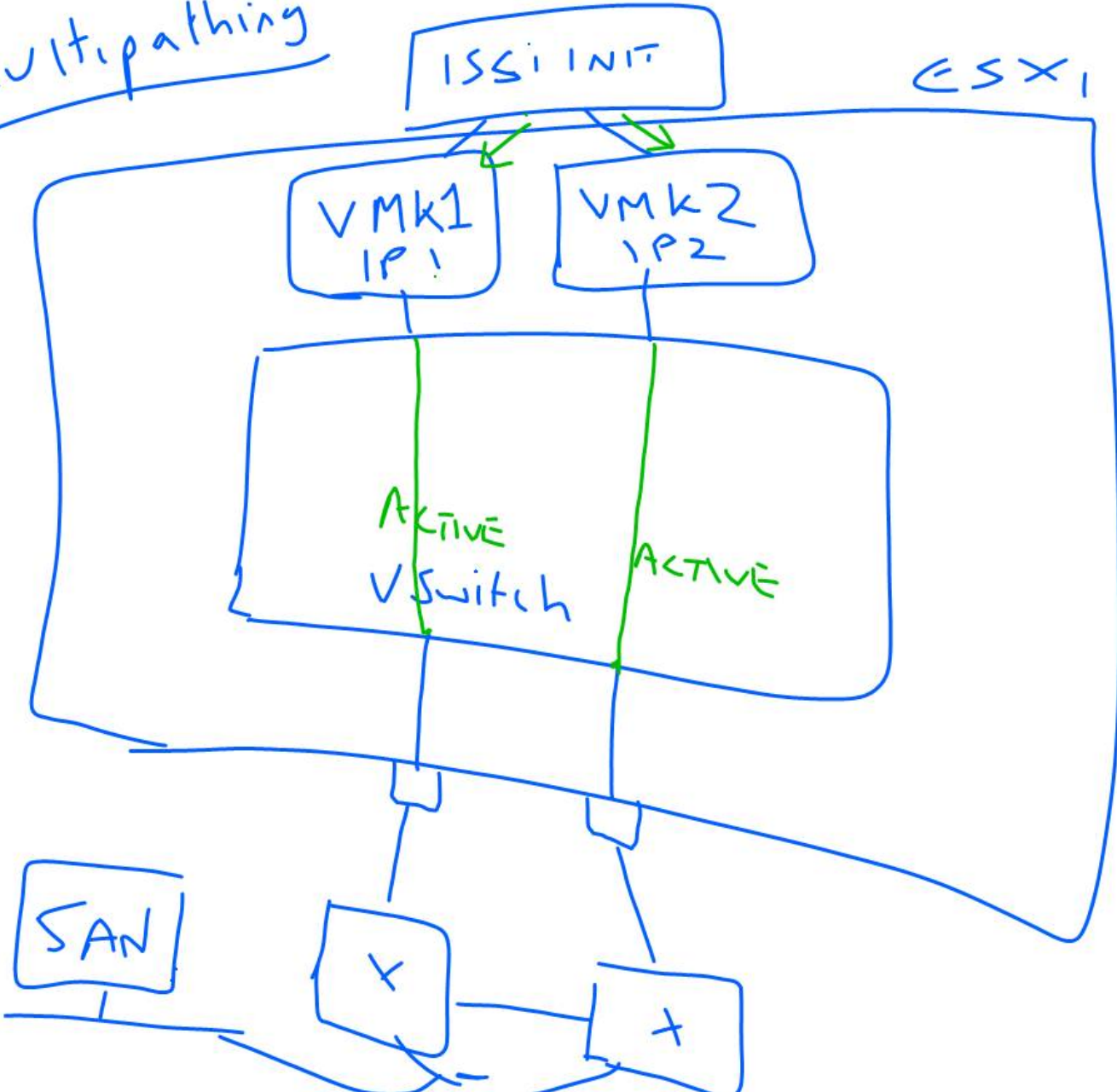


- 1) INIT PLACE
- 2) LB.

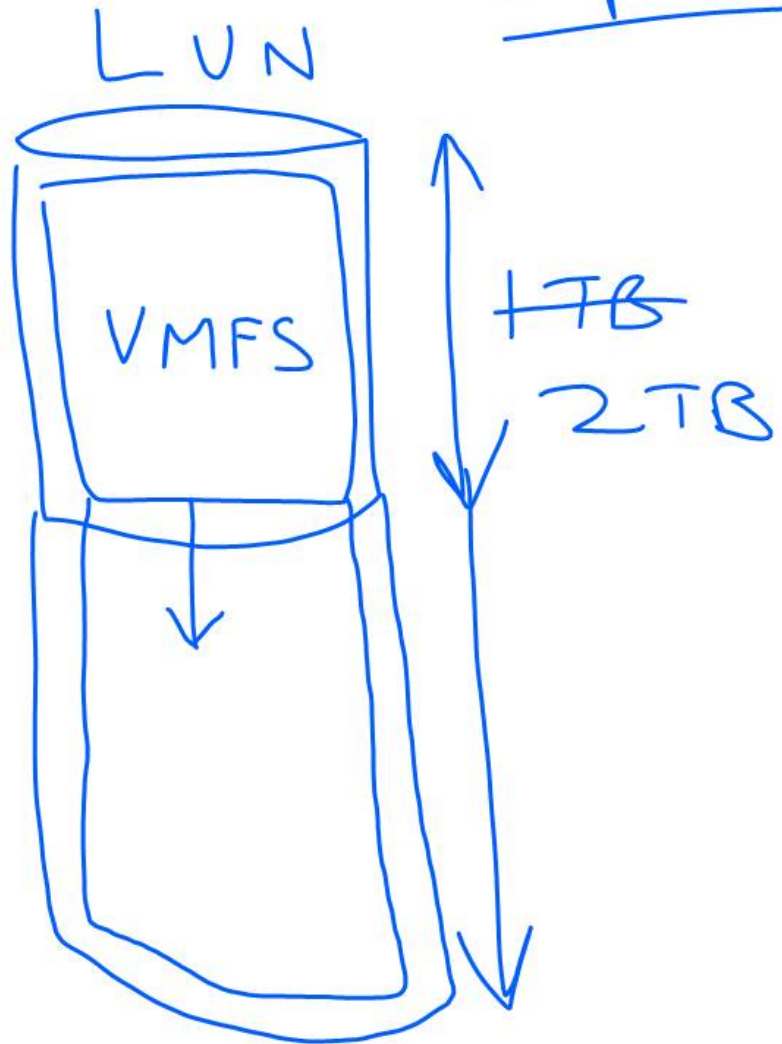
In guest cluster



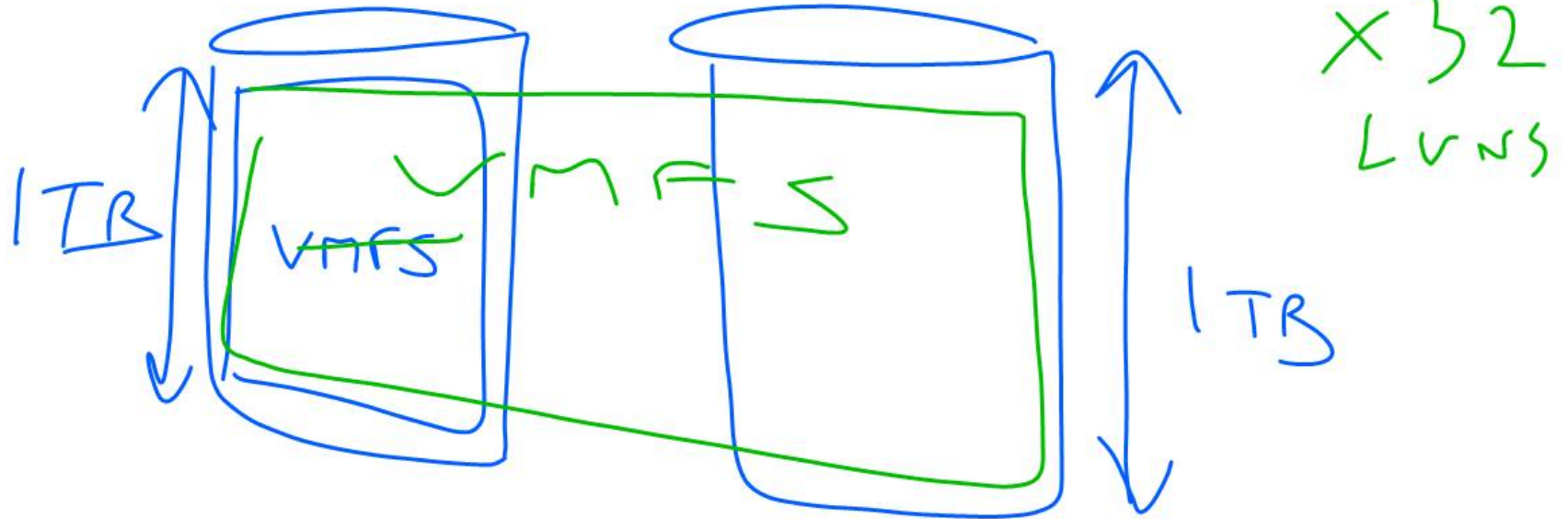
Multipathing



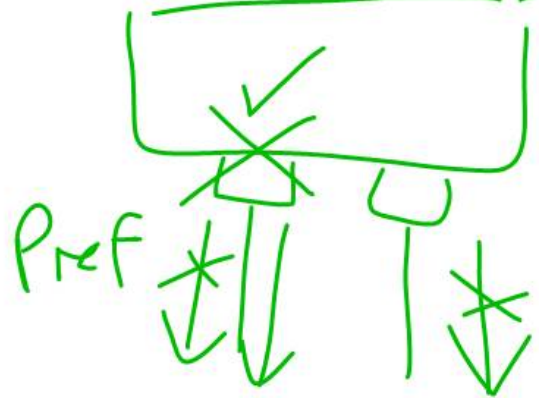
expand a LUN



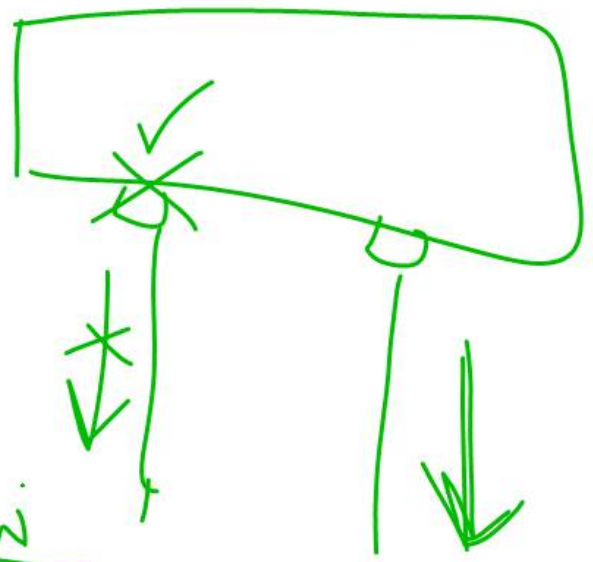
another way...



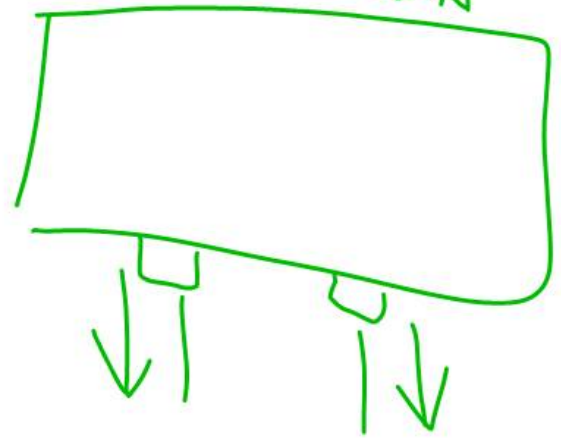
Fixed - Failback
ex:



MRU



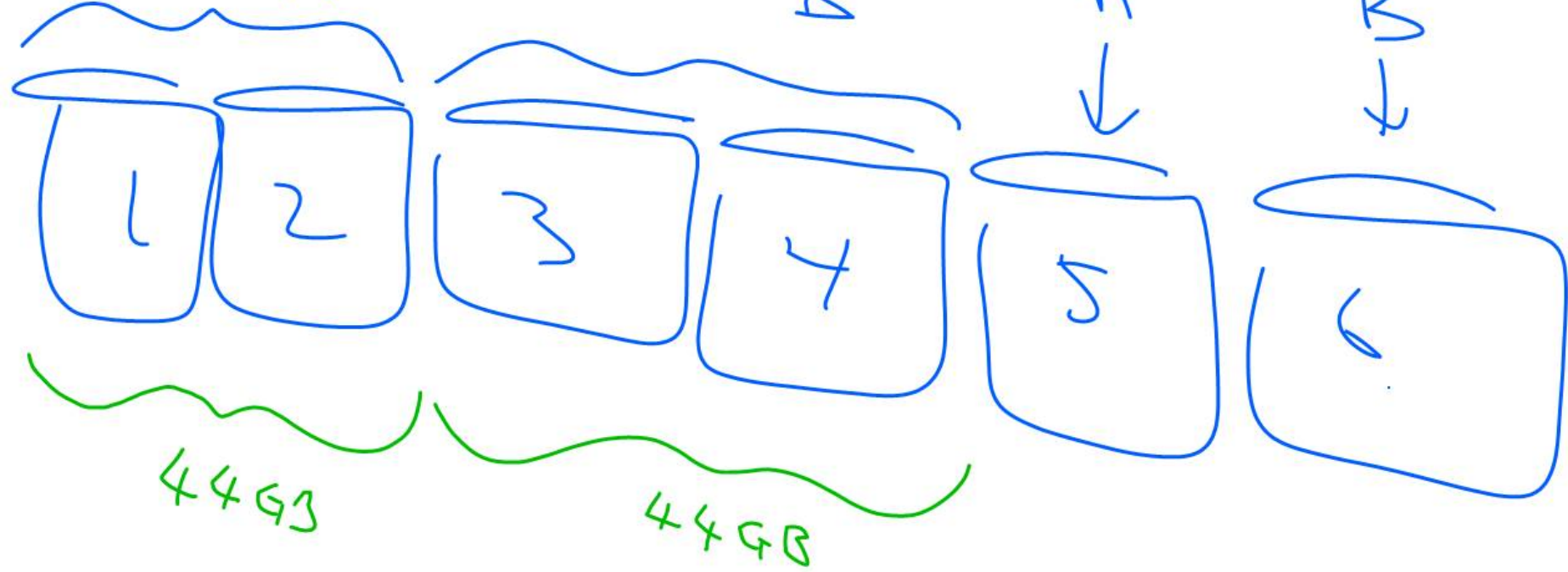
Rotating Pos. 2

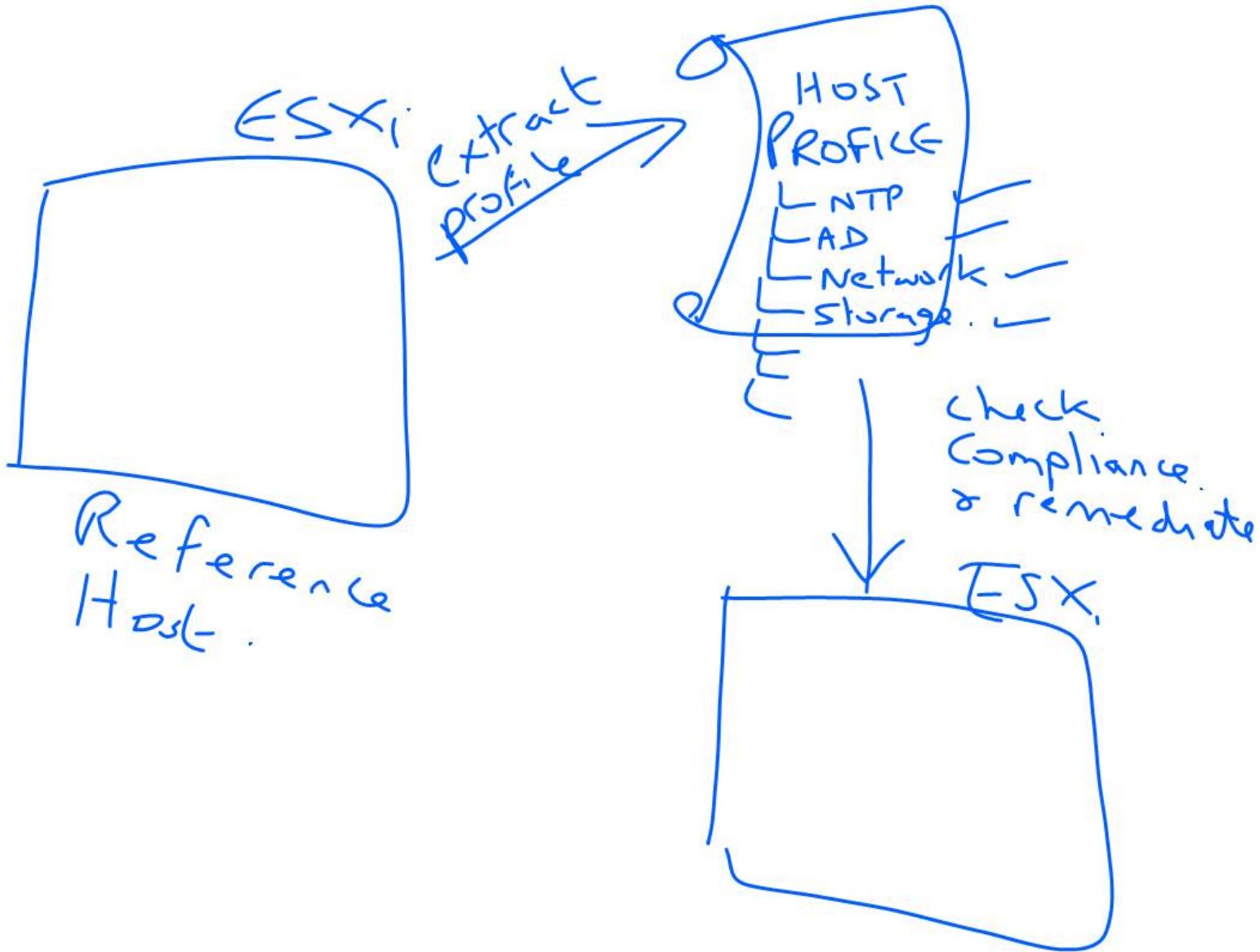


Labs

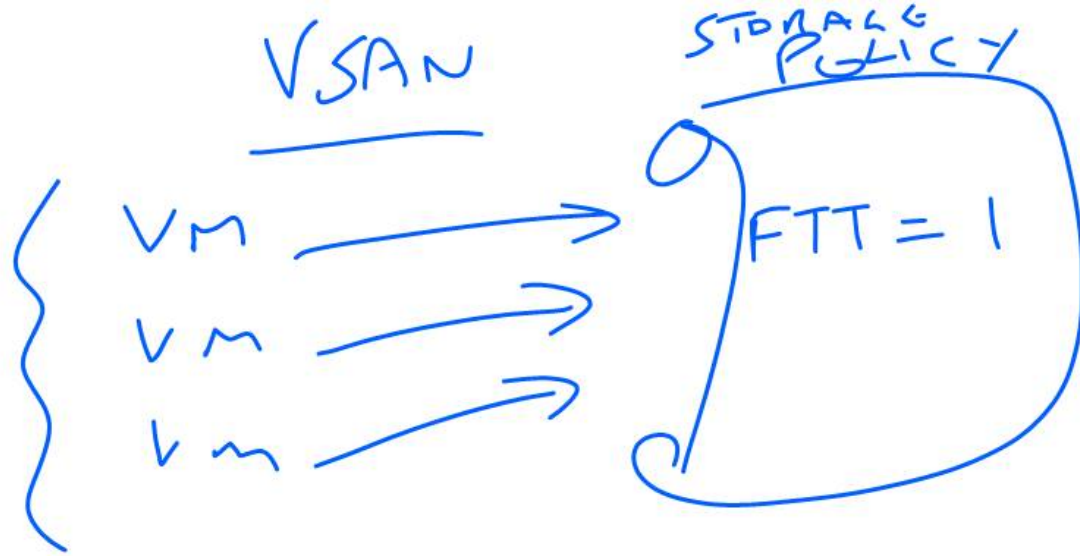
STUDENT
A

STUDENT
B

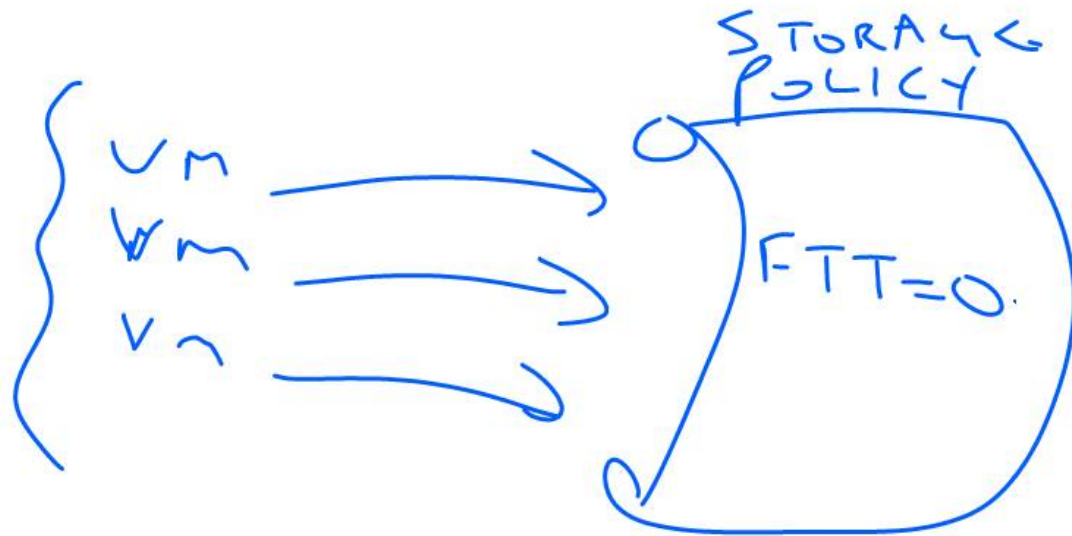




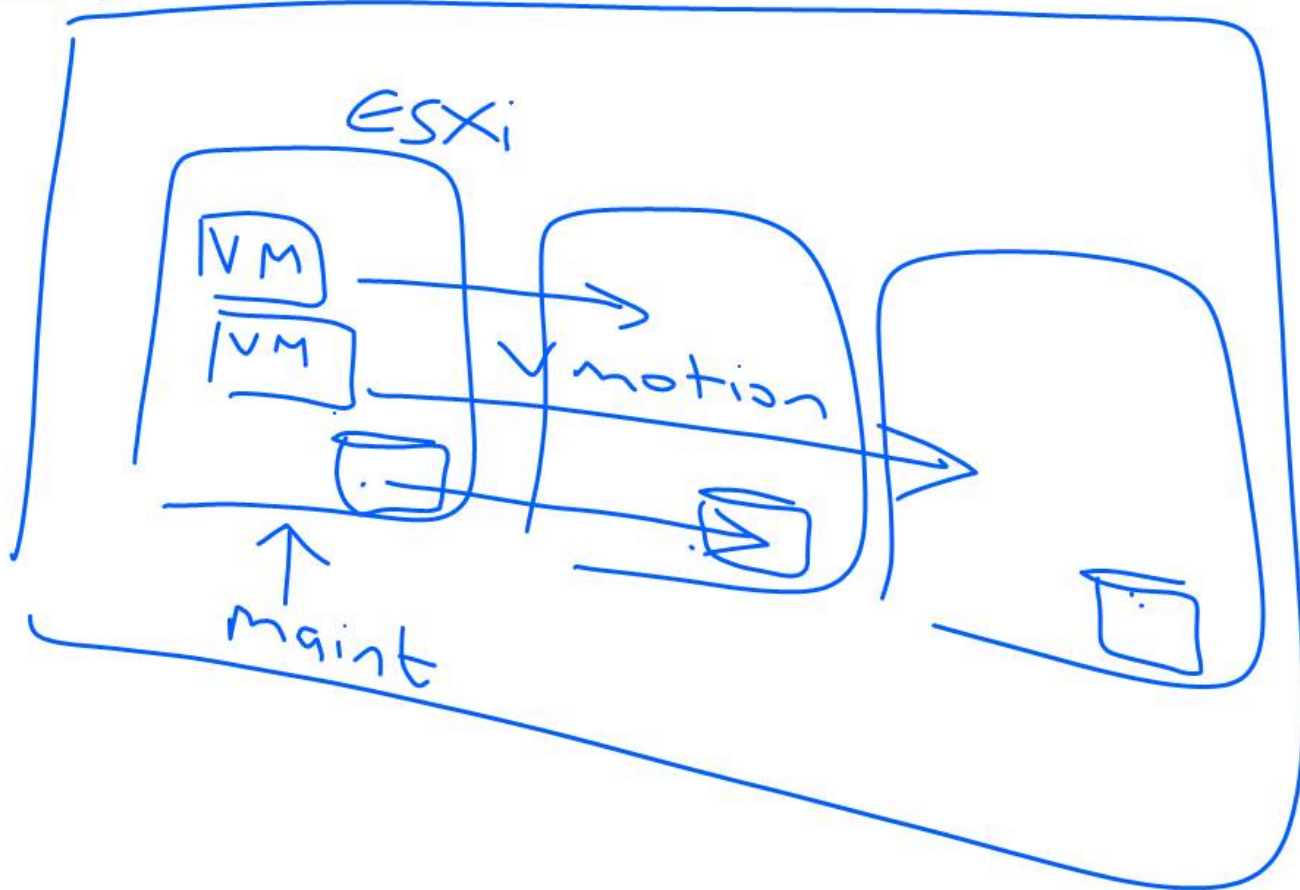
Prod

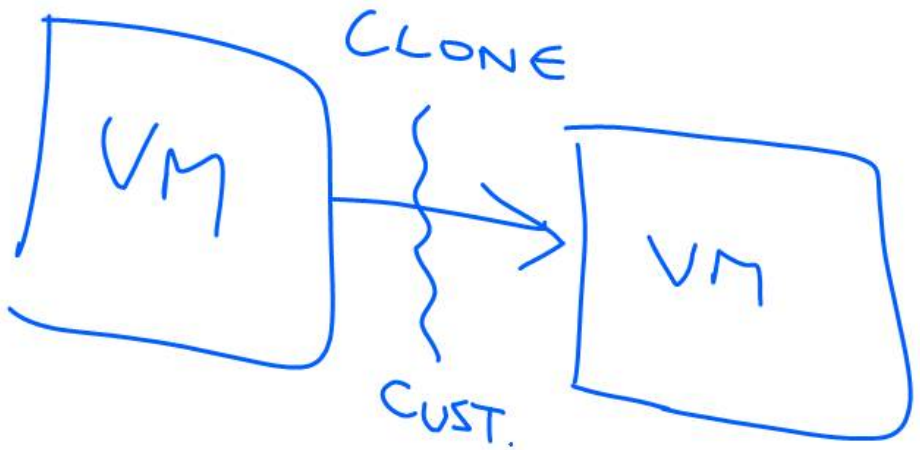
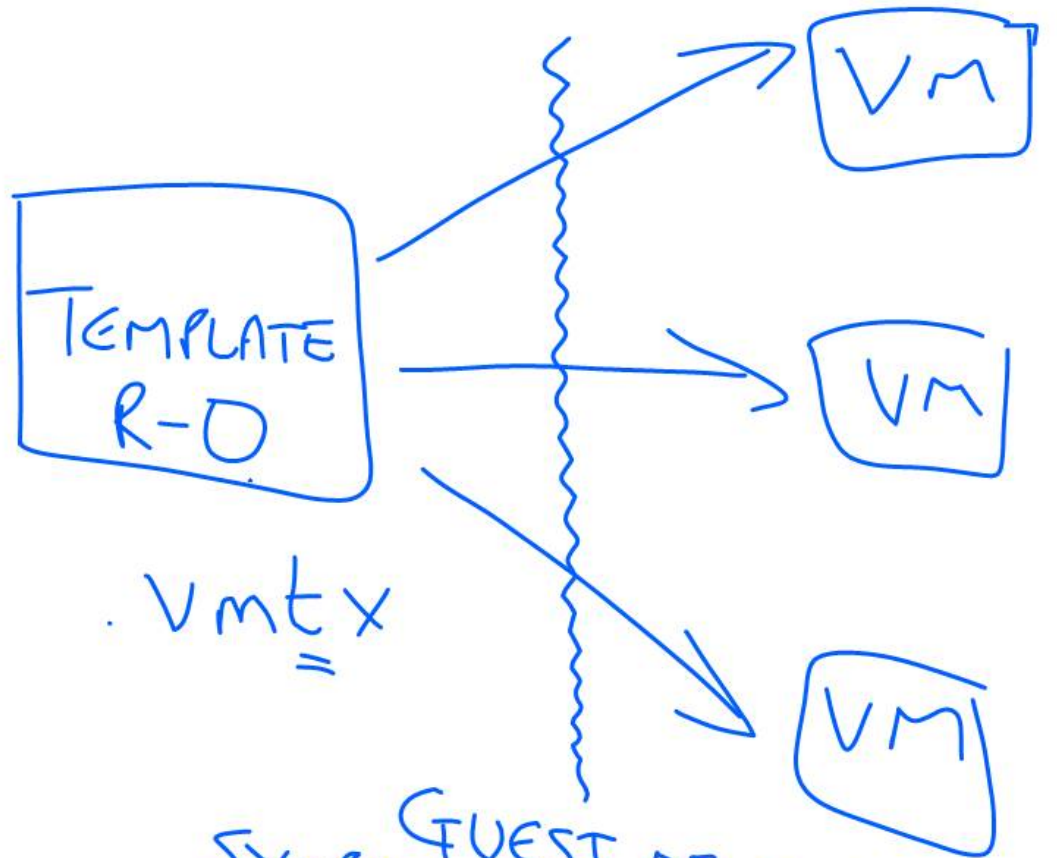
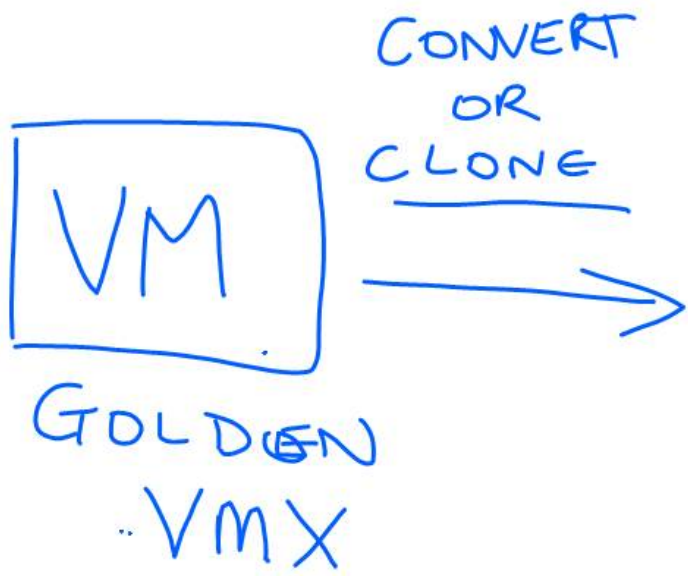


Dev



DRS CLUSTER

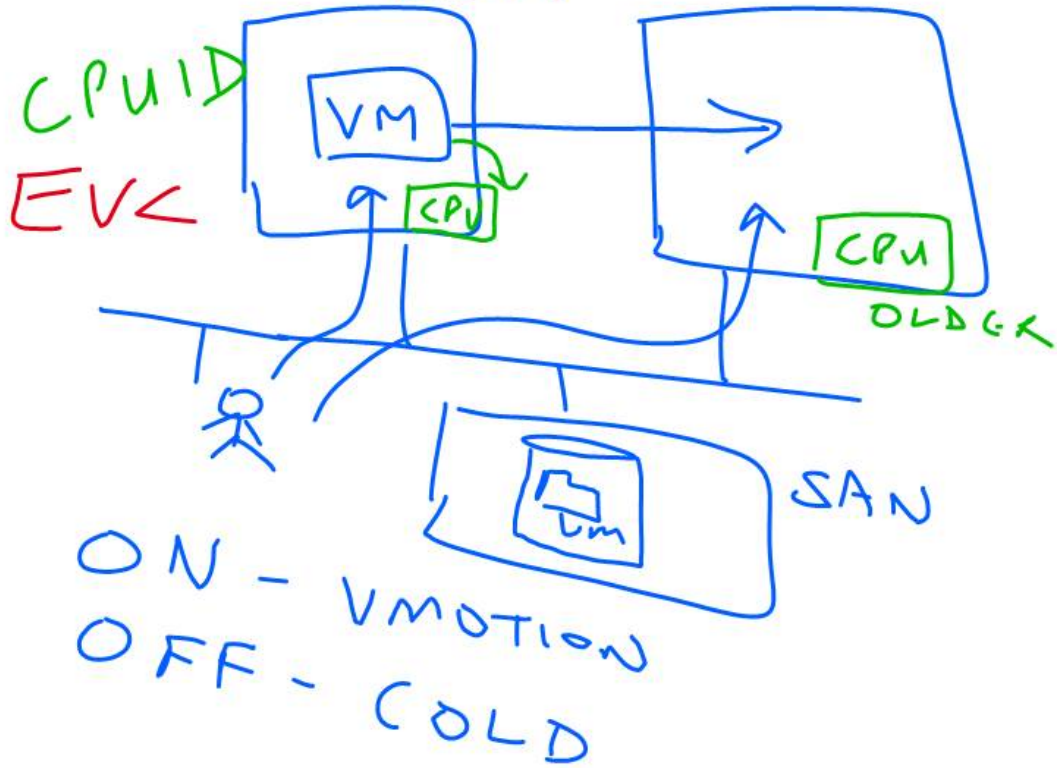




GUEST OS CUST...
SYSREP - IP/HOSTNAME/SID.
LINUX - PERL

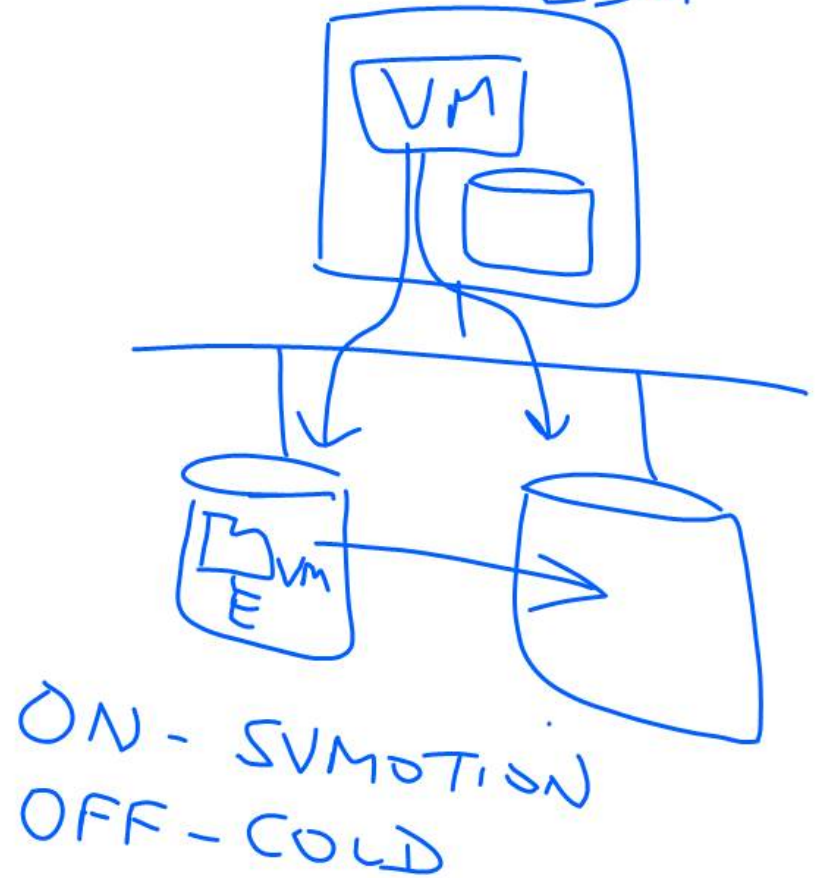
HOST

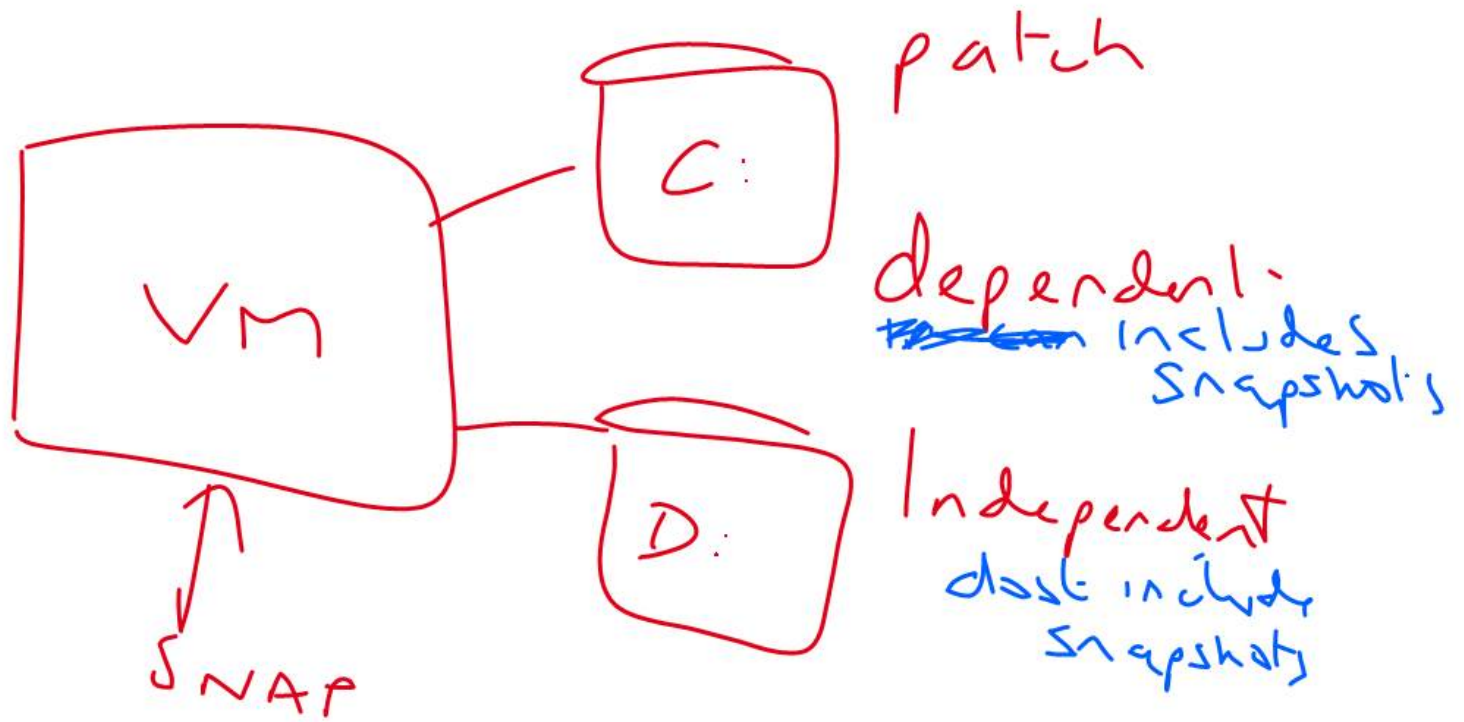
ESX1



DS

ESX1



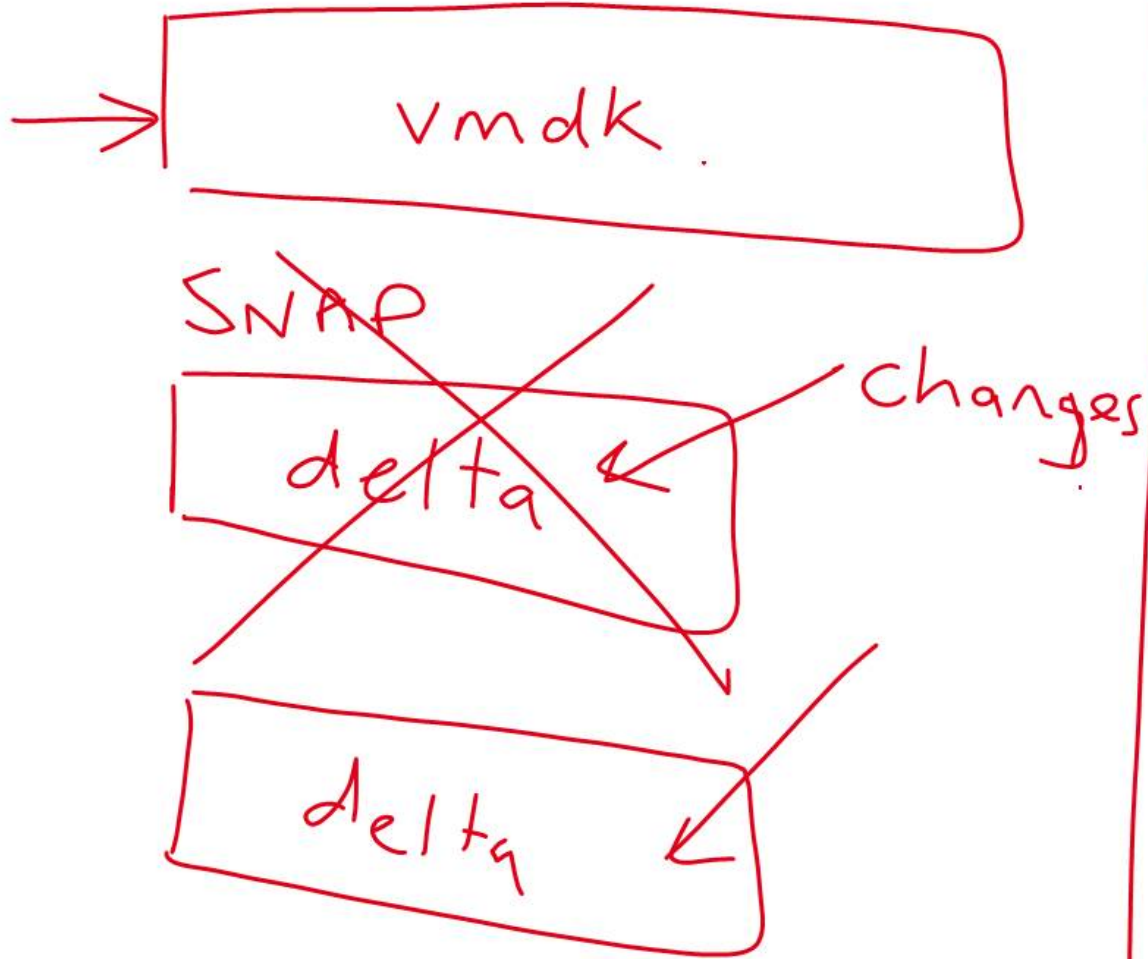


patch

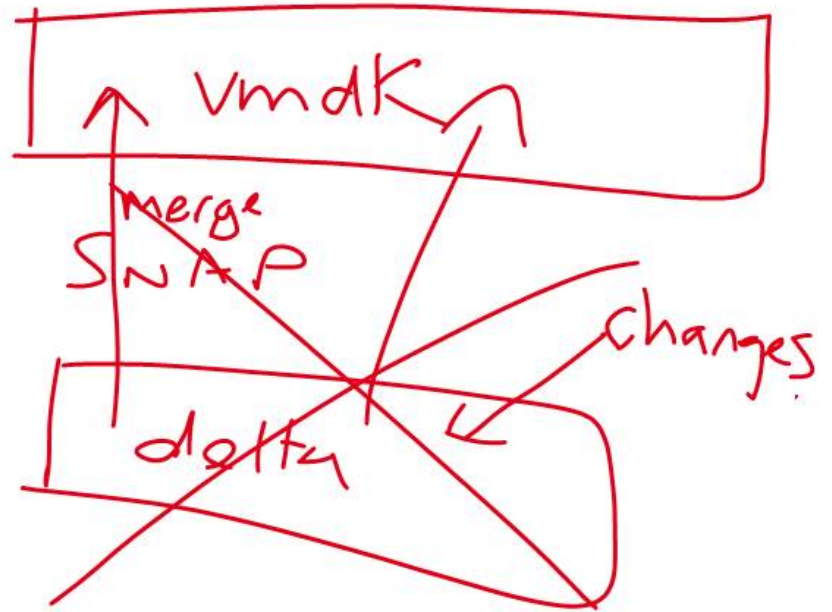
dependent -
~~patch~~ includes
snapshots

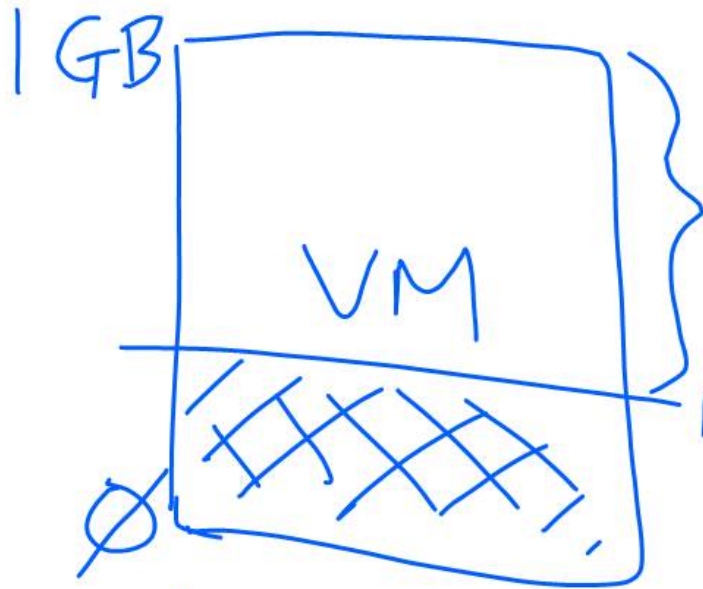
Independent
disk includes
snapshots

Rollback

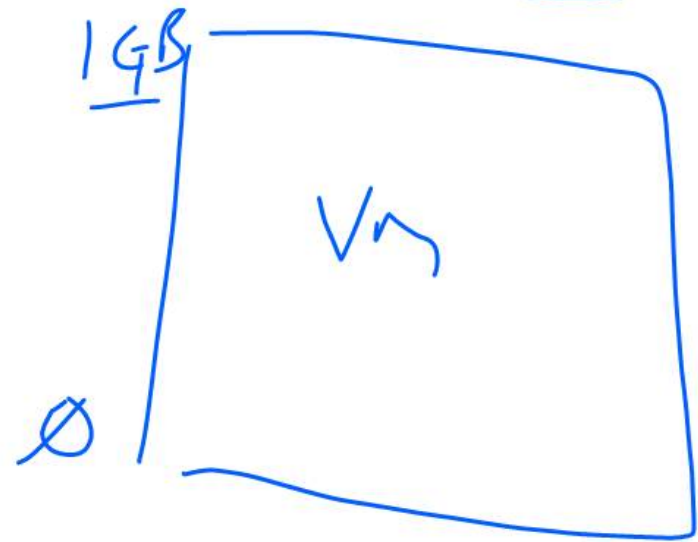
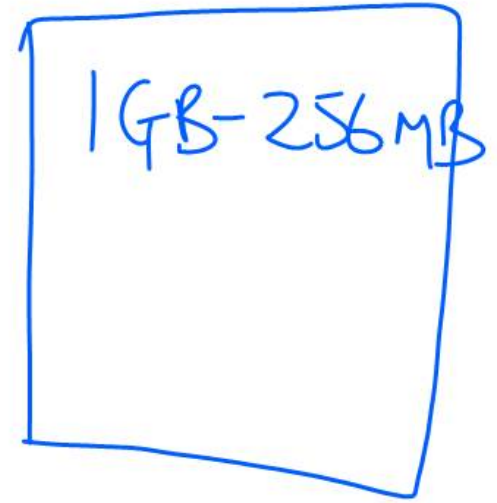


or Commit





.vswp



.vswp



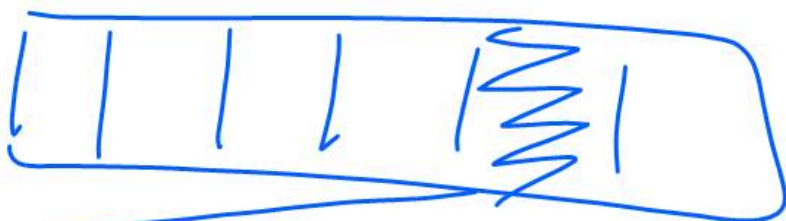
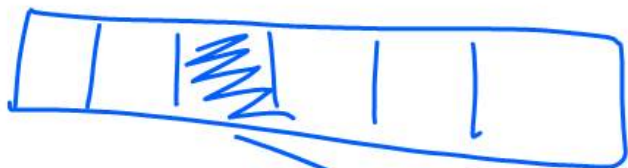
TPS

30%

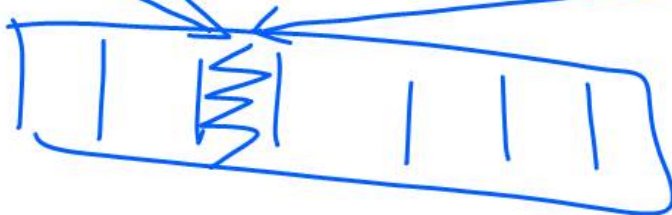
Guest
phy



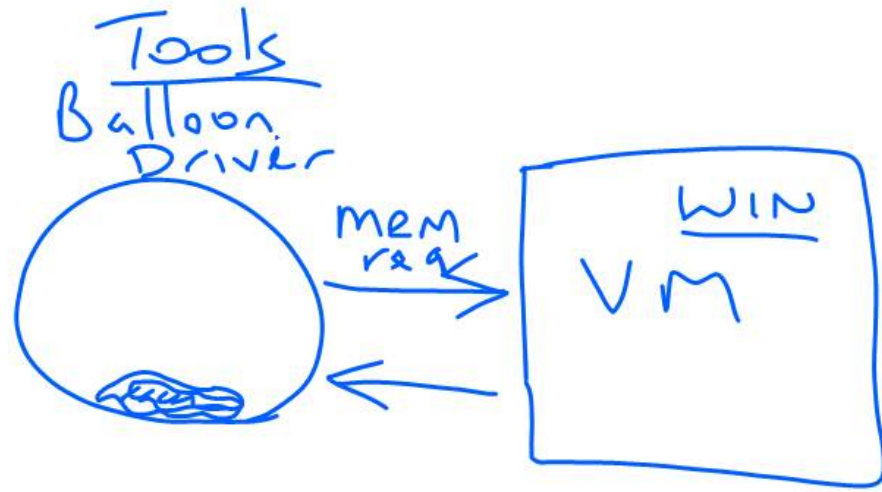
~~at~~
intra-vm
inter-vm

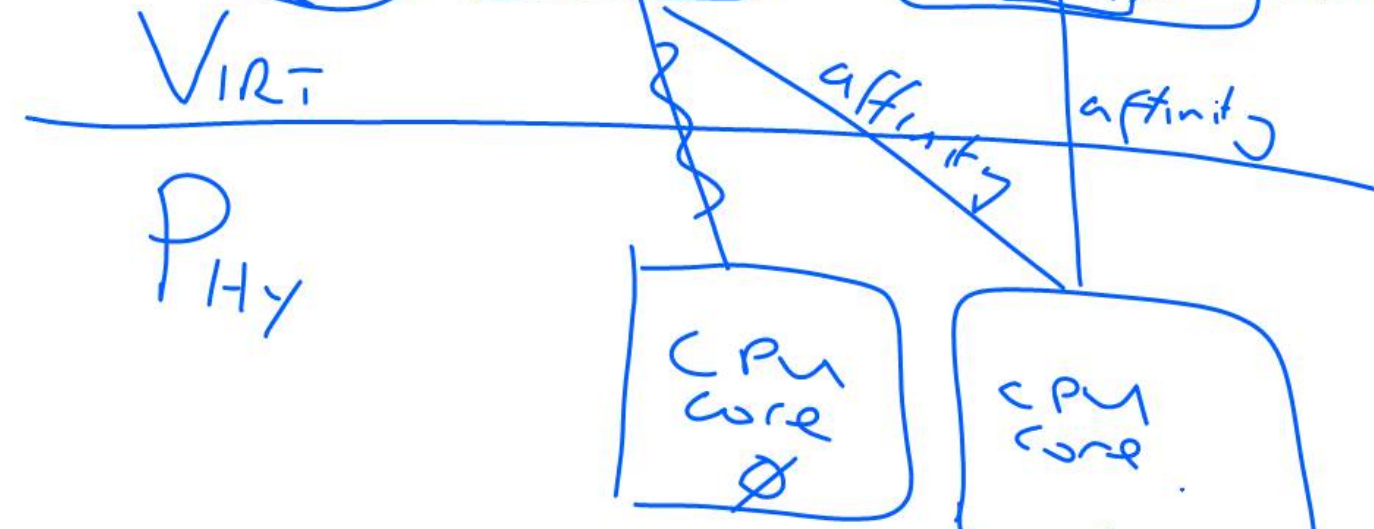


machine
mem
host
phys

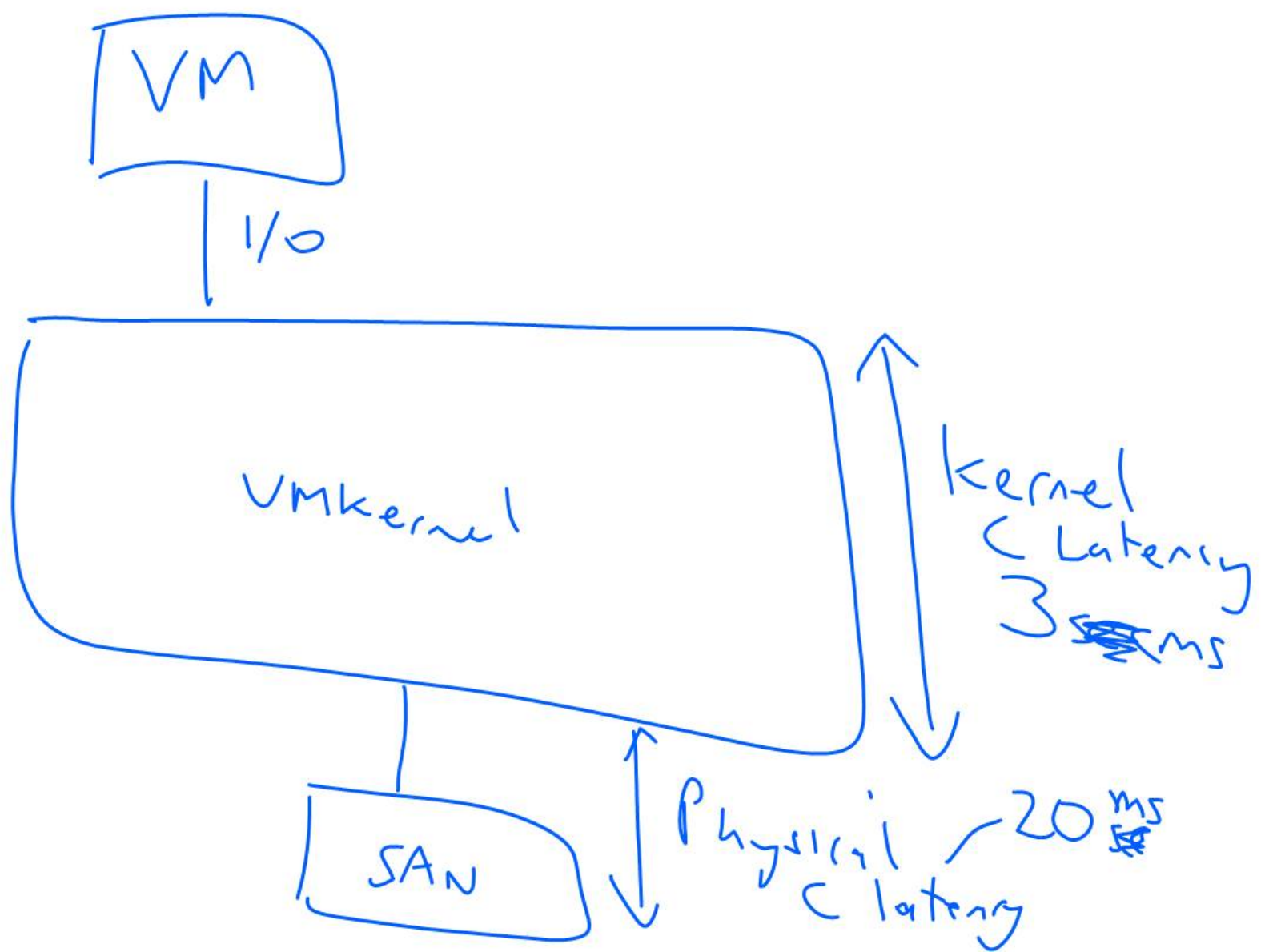


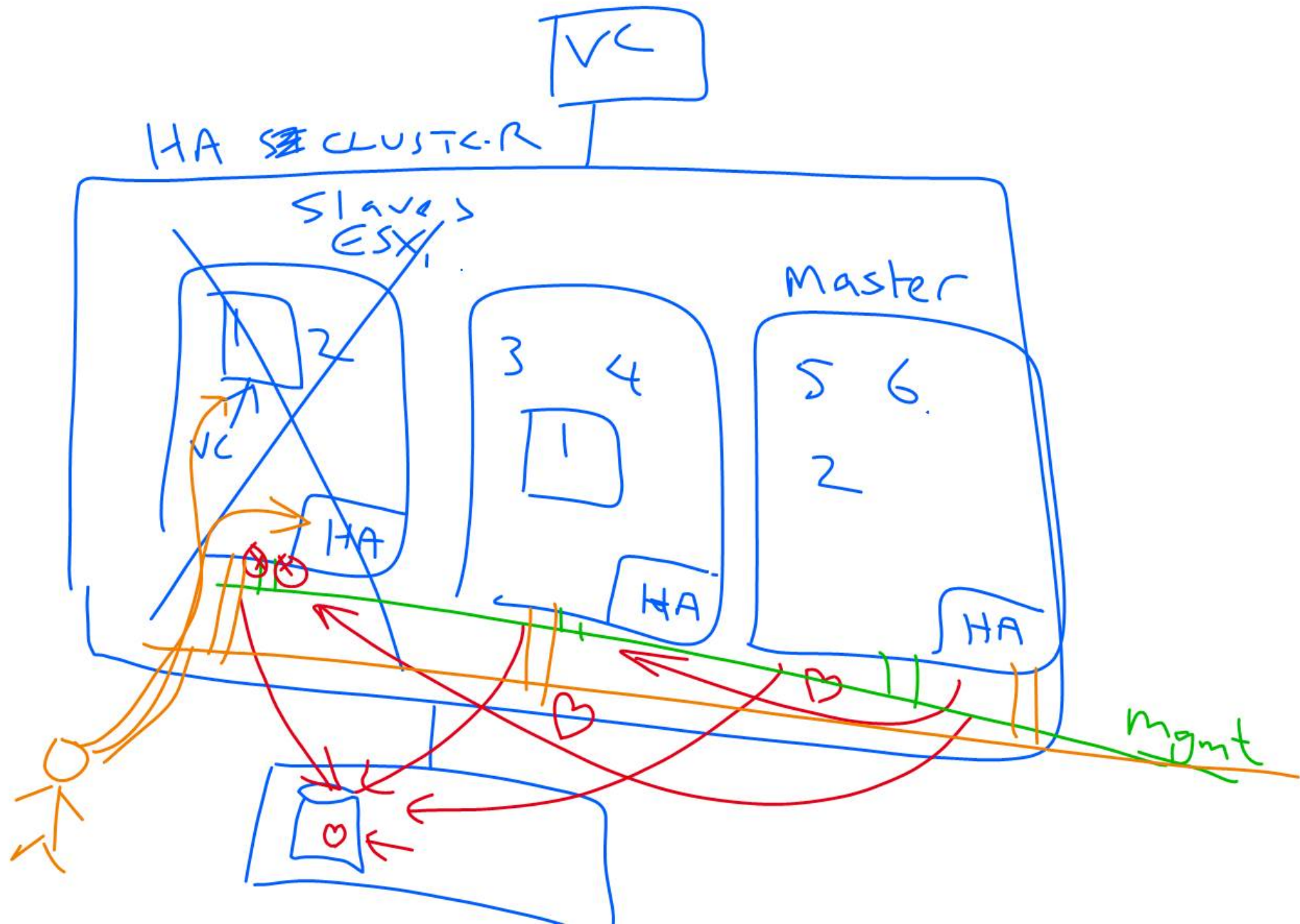
Balloon





CPU READY = 10,000ms
 = 10 sec out of 20 secs
 = 50%





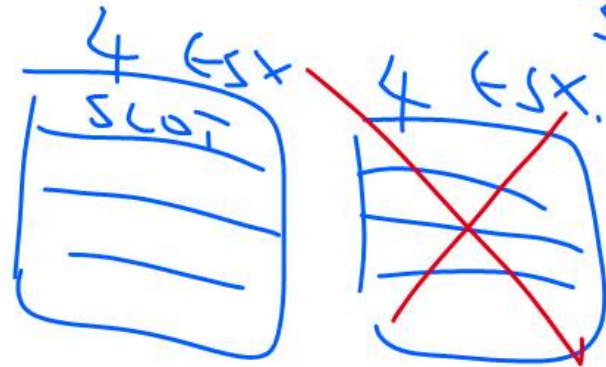
Host - Failures to tolerate

Highest Res of - Powered on vms

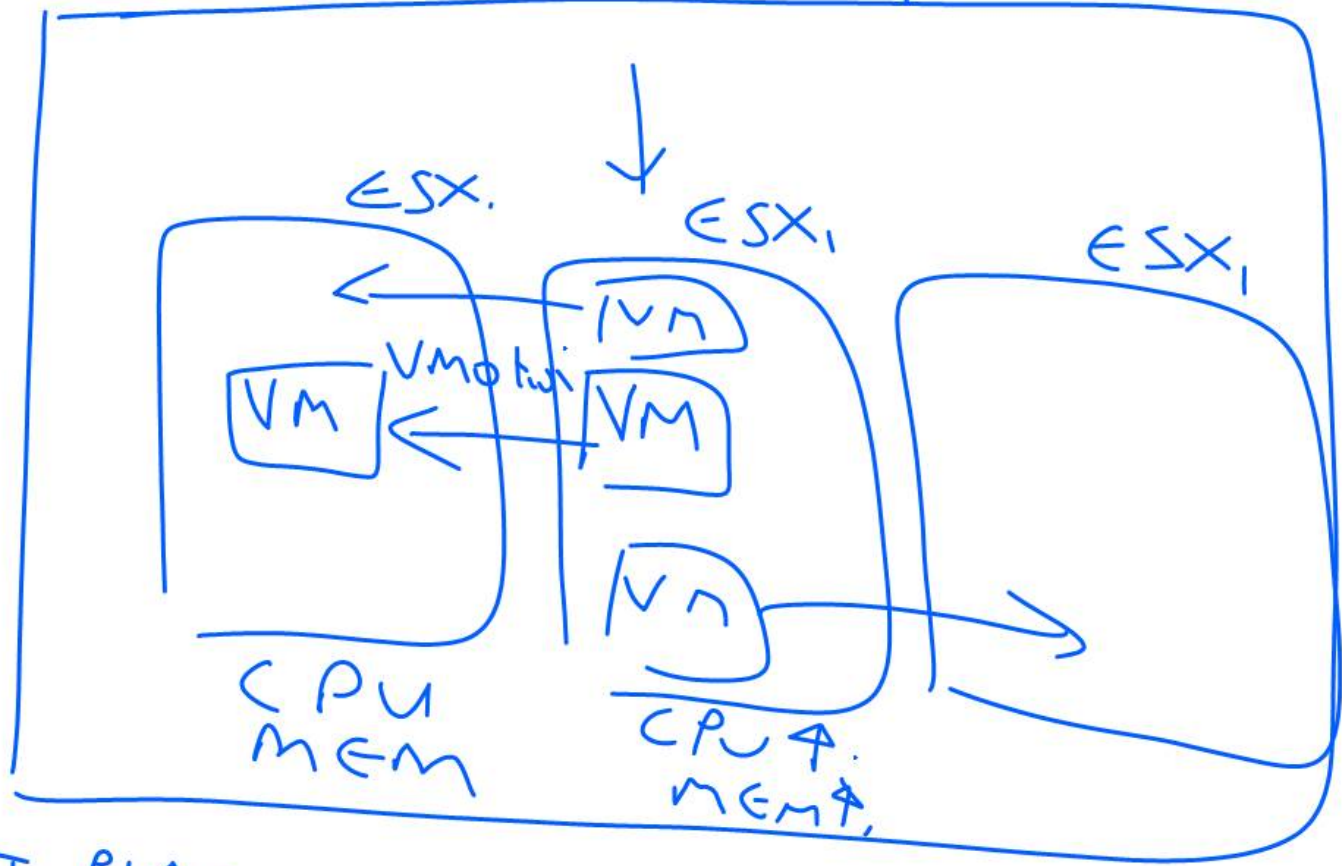
CPU
mem



SLOT SIZE = 2GHz / 3GB



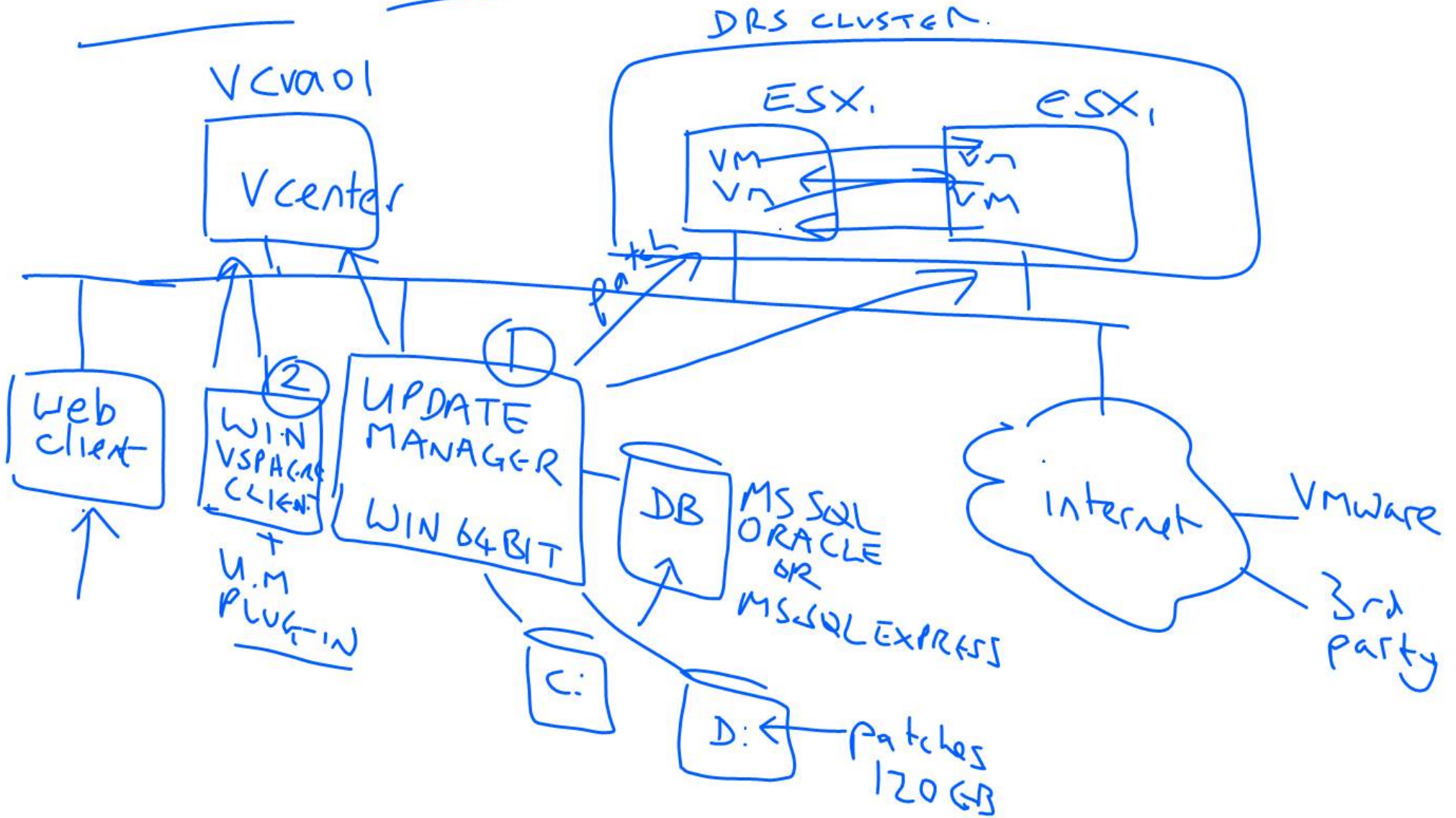
HA/DRS CLUSTER - R VM ▾

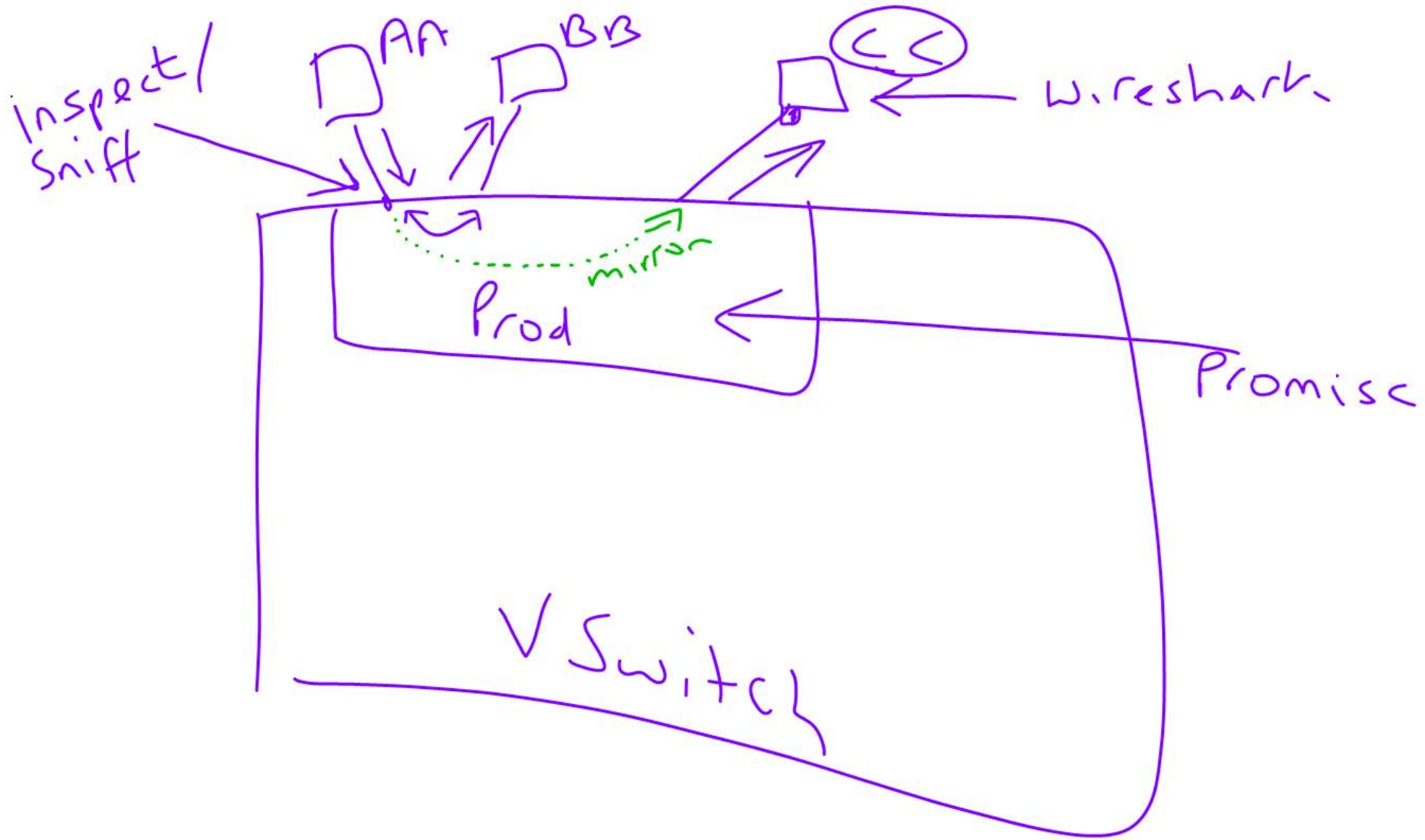


- 1) INIT PLACE.
- 2) LB
- 3) MAINT.

VUM

VERSION 6.0

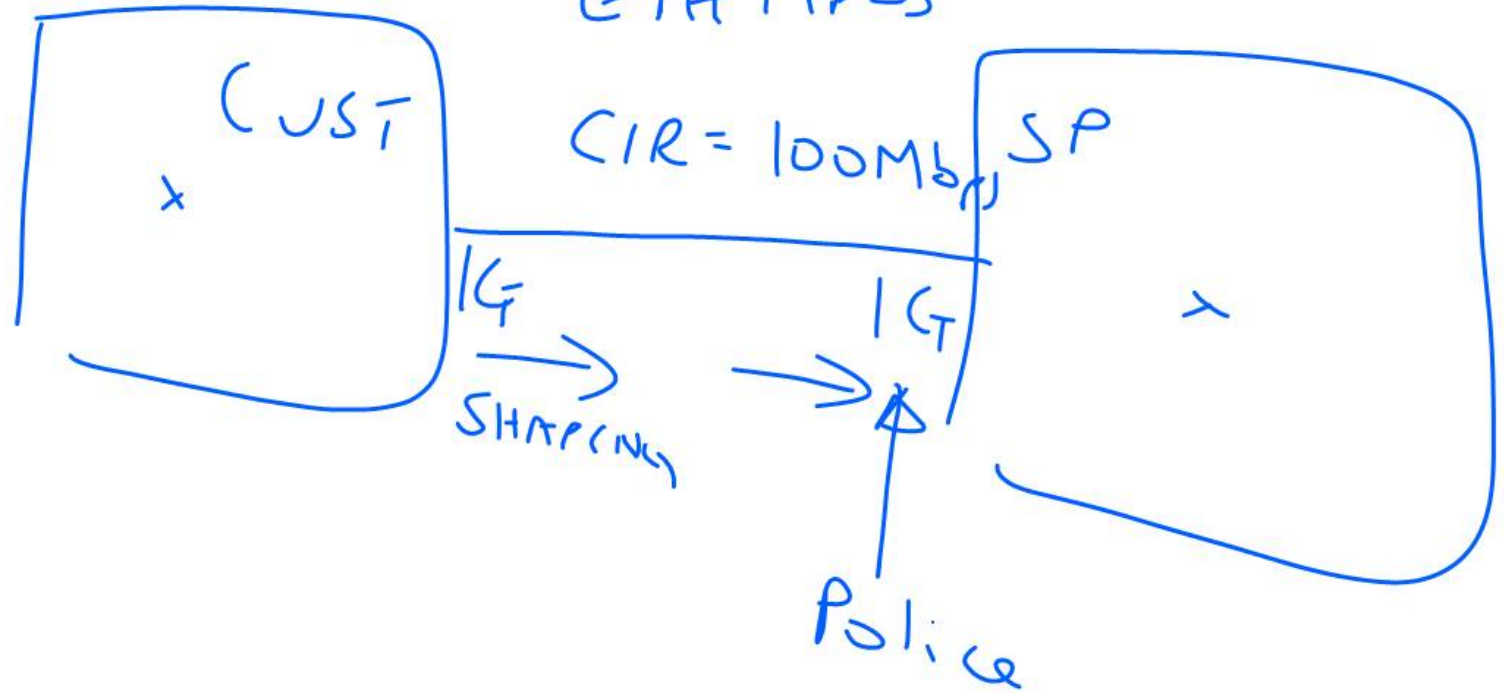




Police - drop
Shape - buffer

ETH MPLS

CIR = 100Mbps



HASH

eg $\frac{10}{3}$ remainder 1

