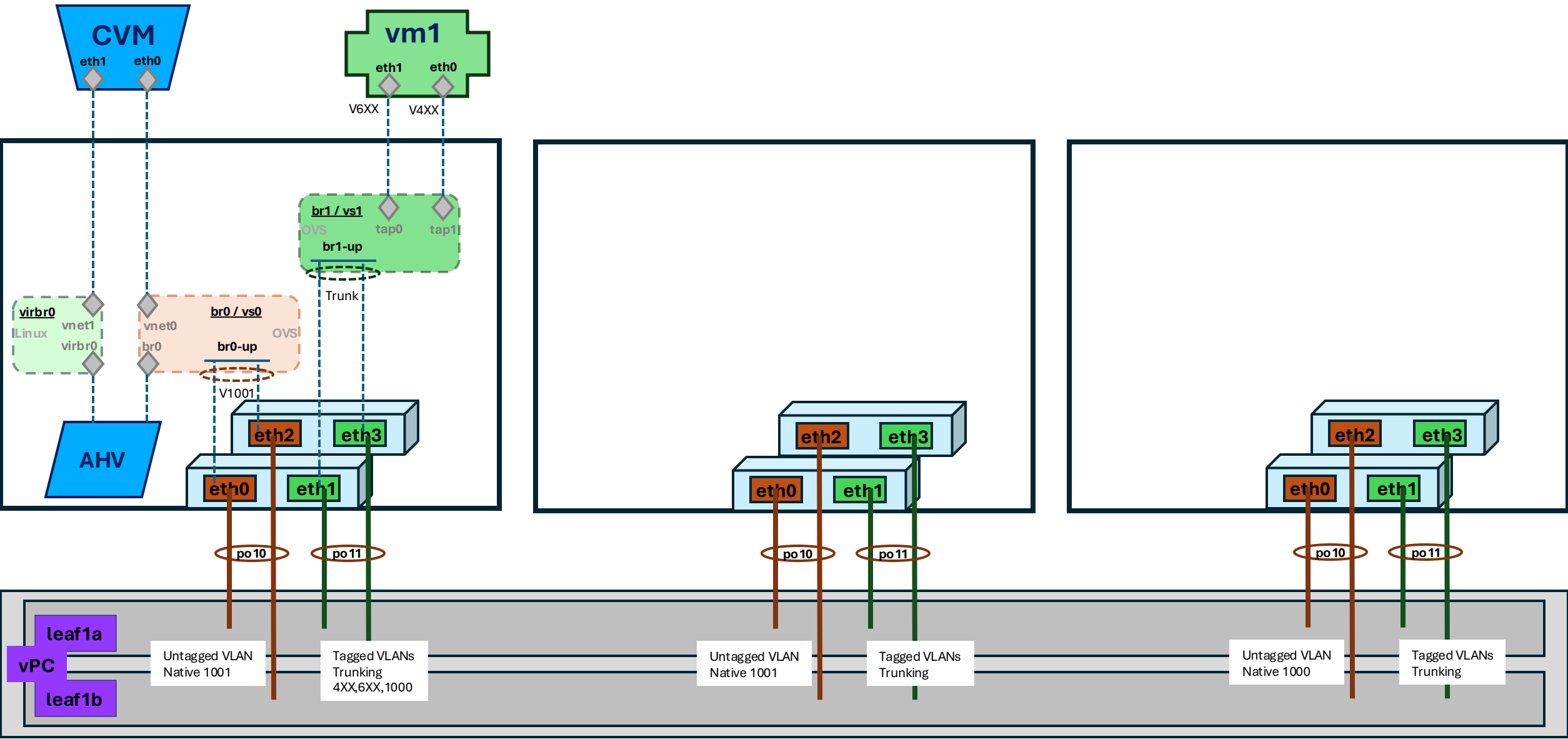


BASE CONCEPTS



TST designs

Key for Cluster CVM < CVM Traffic
Key for Distributed Storage Fabric
DSF and other Services (heartbeat)
SAME subnet as other CVMs in Cluster
Services: Metadata, Health Checks,
STORAGE traffic
ATTACH to br0 and br0.local

```
lo
eth1
eth0
eth2
eth3
eth4
*ovs-system
```

- brX.local
- br1.local
- brX
- br0
- brSpan
- br0.local

- OVS instance – ONLY 1 per host
- VTEPS connect multiple
- OVS instances on separate hosts (in the same cluster)
- VMs connect
- VMs connect here
- Host NICS connect here
- Bridge for CVM and mgmt
- Specialized Bridge for port mirroring
- CVM
- cvm<>host local not routed

from linux libvirt

vnet# are associated with Bridges

```
br1
*virbr0
vnet0
vnet1
vnet2
vnet3
br.mx
```

br.microseg

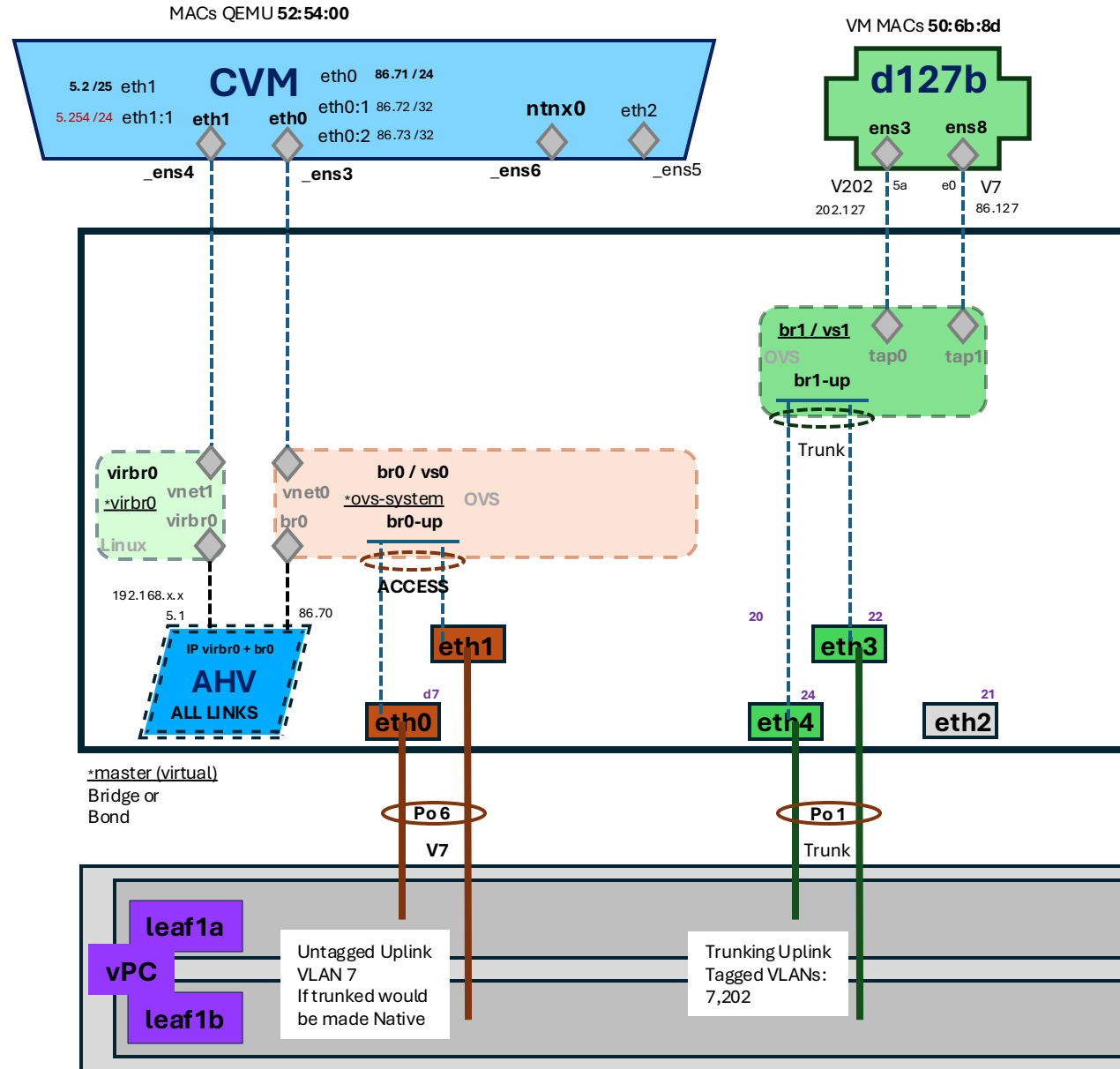
br.nf
br.dmx

```
vxlan_sys_4789
tap0
```

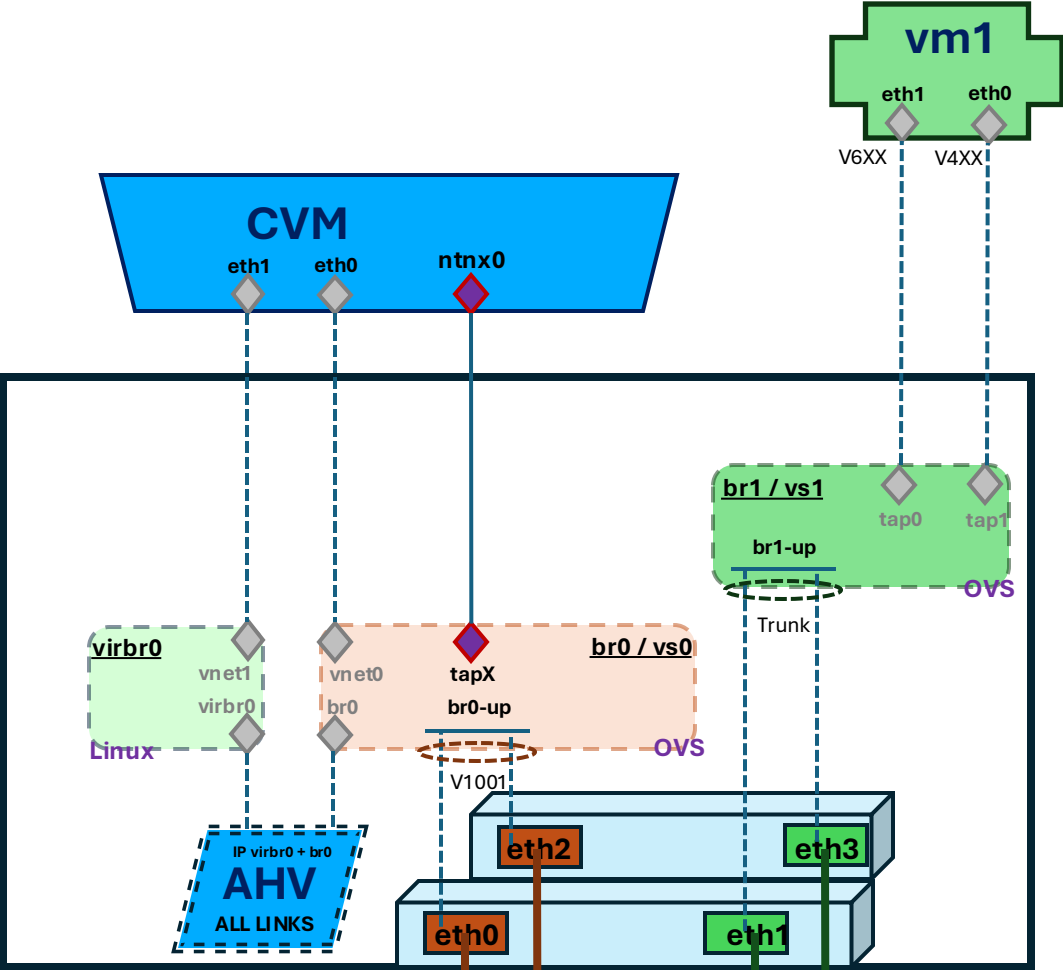
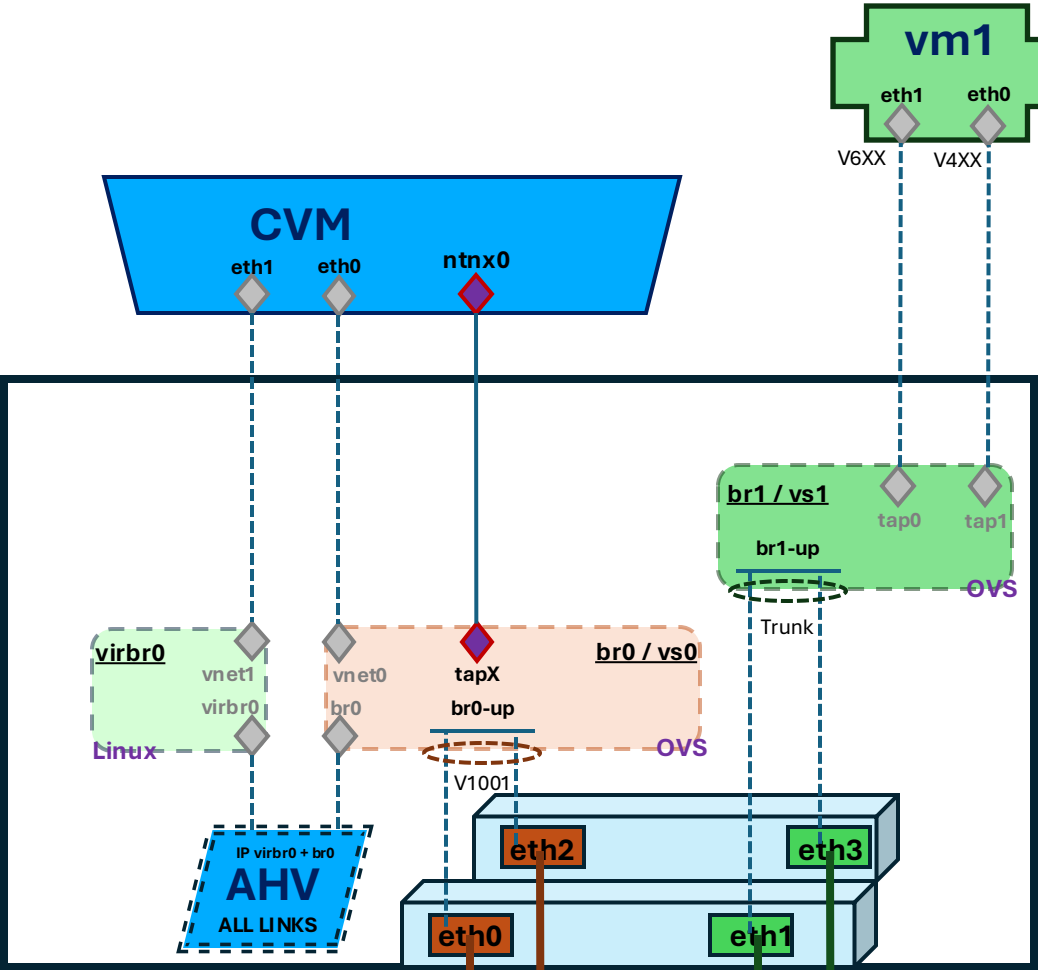
tap1

dedicated to VM traffic N<>S/E<>W
bridges brX.local and brY.local
Cluster VMs E<>W passes through
to allow traffic security control
file server traffic / NFS, SMB, CIFS
ADSF across distrib storage fabric
distributed network bridge
external storage
uses DSIP
VTEP? UDP 4789 default L2 over L3
tap# is associated with Bridges
They are created with VMs are edited
with NICs

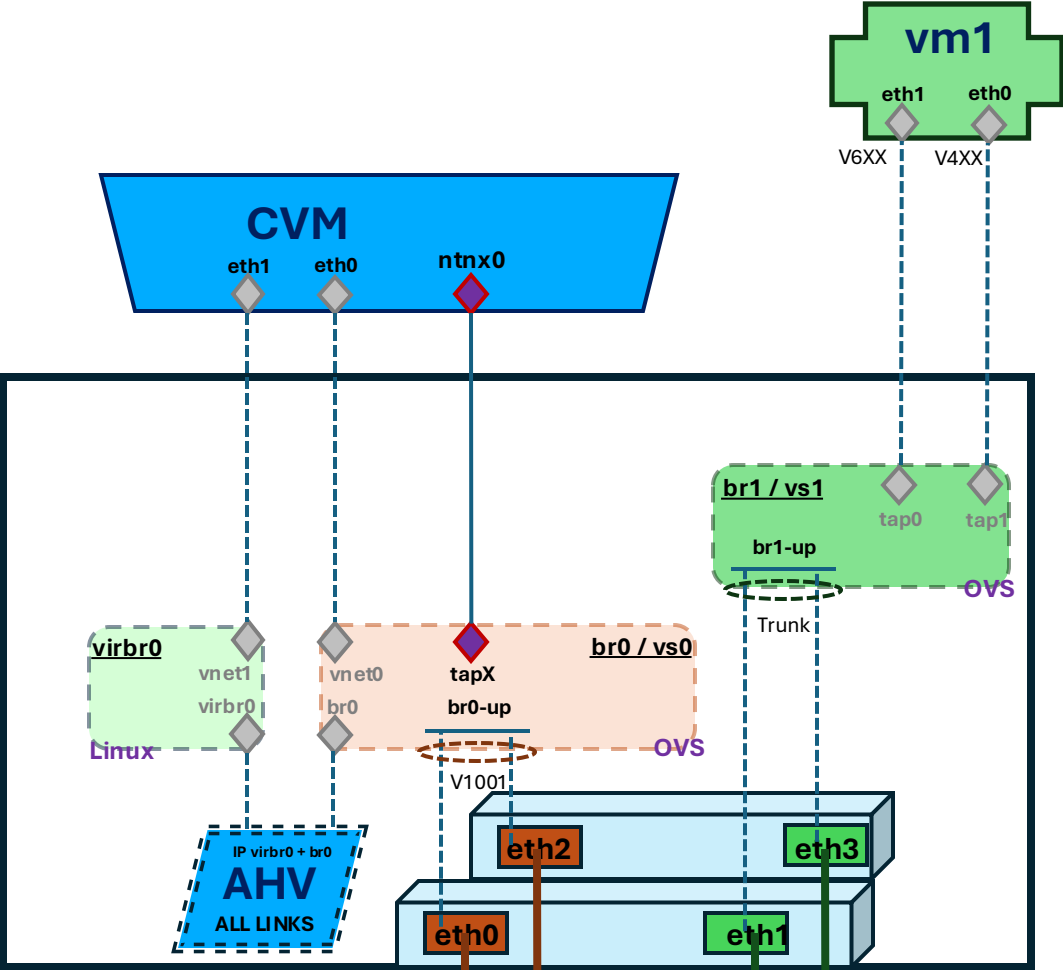
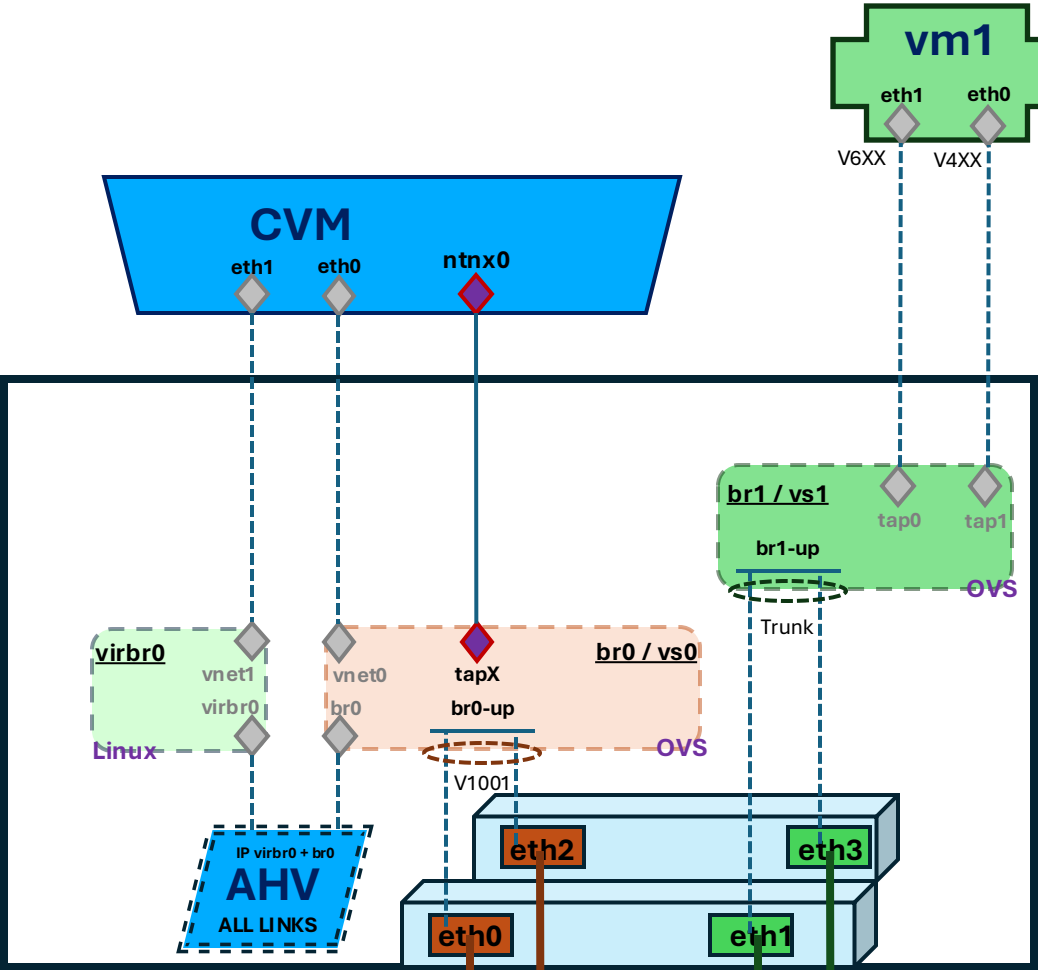
```
lo
eth0 / ens3
eth1 / ens4
```



BASE – NTN+MGMT same _CONCEPTS



BASE – NTN+MGMT same _CONCEPTS



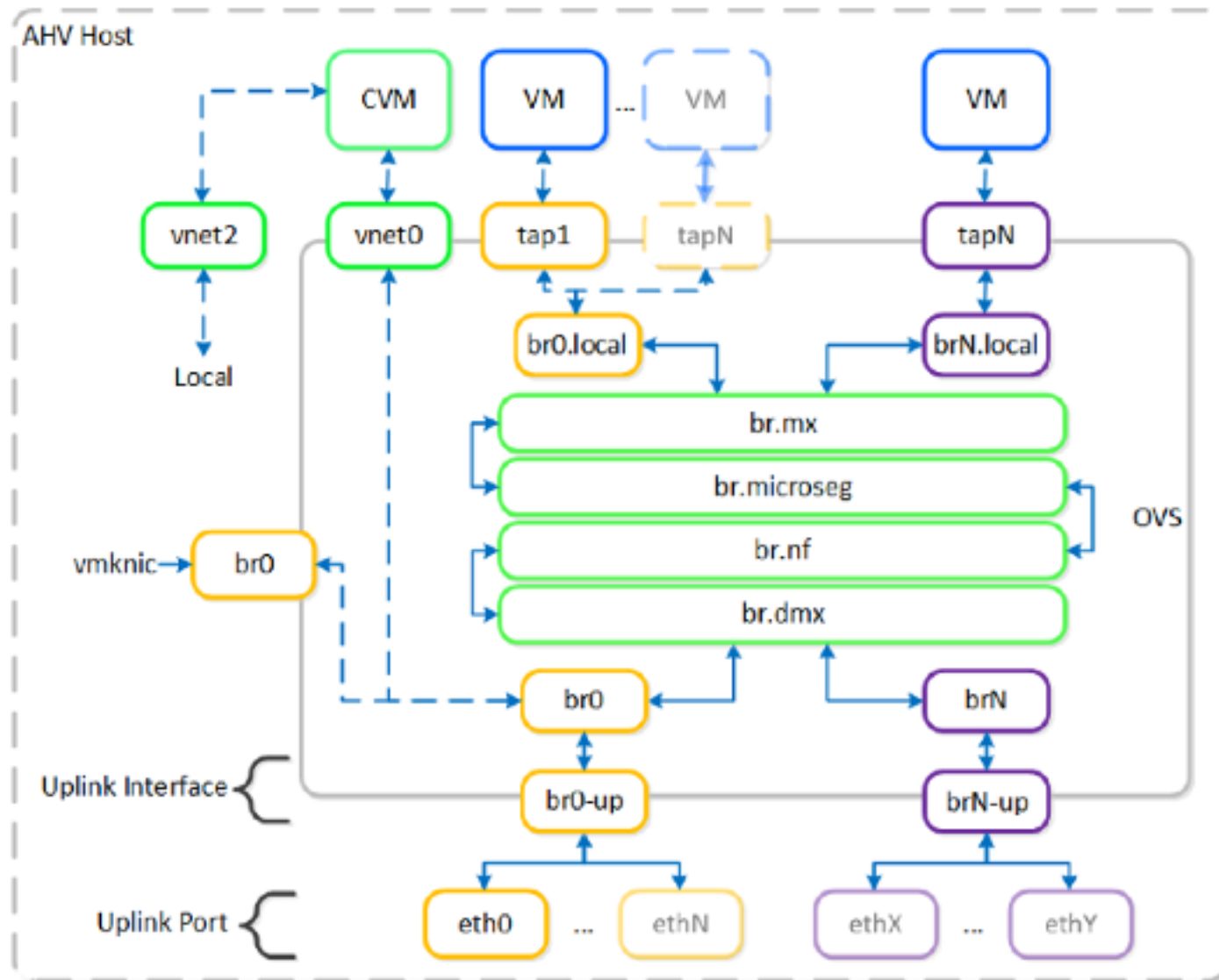


Figure 2: AHV Bridge Chain