MGMT enp5s0f0
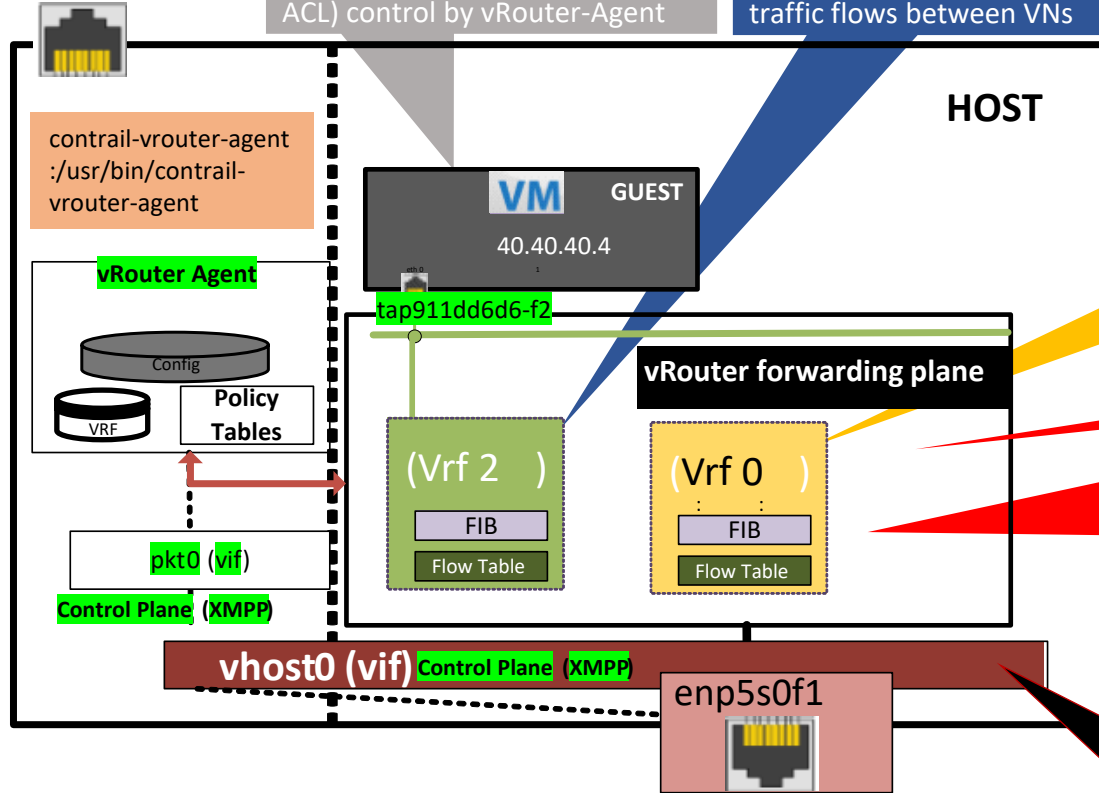
Secuirty Groups for the VM (VN ACL) control by vRouter-Agent

Policy is between VNs to control traffic flows between VNs

HOST

contrail-vrouter-agent :/usr/bin/contrail-vrouter-agent

VM GUEST
40.40.40.4

eth 0

vRouter Agent

Config

VRF

Policy Tables

tap911dd6d6-f2

vRouter forwarding plane

(Vrf 2   )
FIB
Flow Table

(Vrf 0   )
FIB
Flow Table

pkt0 (vif)

Control Plane (XMPP)

vhost0 (vif) Control Plane (XMPP)

enp5s0f1

➢ For stats
vrfstats -–dump
vrfsats -–get 0
rt --dump 0 (check FIB)
dropstats

➢ For L2 lookup.
(vrouter-agent)[root@compute/]$ rt --dump 2 – family bridge

➢ For L3 lookup

(vrouter-agent)[root@compute /]$ flow –l –match 40.40.40.3
(vrouter-agent)[root@compute/]$ rt --dump 2 ('2' means vrf number)
(vrouter-agent)[root@compute/]$ rt --get 40.40.40.4/32 --vrf 2
(vrouter-agent)[root@compute/]$ nh --get 28
(vrouter-agent)[root@compute /]$ vif –list
(vrouter-agent)[root@compute/]$vif –get 3 ('3' means oif)

#tcpdump -i enp5s0f1 ip proto gre (Data)
#tcpdump -i enp5s0f1 port bgp (Control)
#tcpdump –I enp5s0f1 or tcpdump –Inne enp5s0f1 -w capture.pcap
#tcpdump -D
1.eth0
2.docker0
~

For XMPP date capture, vhost0 used.

#tcpdump -i vhost0 port xmpp-server or tcpdump -i vhost0
#tcpdump -i vhost0 port xmpp-server