Daniel Montes

Tony Espinoza

CSCD 330

Lab 8

Changes in R1:

Two changes that occurred in R1 were that both “net.ip\_forward = 1” and “net.ipv6.conf.all.forwarding = 1” got uncommented.(svsctl.conf)

Net plan file changes in R1:

enp0s8:

dhcp4: false

addresses: 192.168.56.105/24 // Associate with U1

enp0s9:

dhcp4: false

addresses: 192.168.198.3/24 // Associate with U2

enp0s10:

dhcp4: false

addresses: 192.168.166.3/24 // Associate with U3

Net plan file changes in U1:

enp0s8:

dhcp4: false

addresses: 192.168.56.104/24

Routes

to: 192.168.198.4 // U2

via: 192.168.56.105 // R1

to: 192.168.166.4 // U3

via: 192.168.56.105 // R1

Net plan file changes in U2:

enp0s8:

dhcp4: false

addresses: 192.168.198.4/24

Routes

to: 192.168.56.104.0/24 // U1

via: 192.168.198 // R2

to: 192.168.166.0/24 // U3

via: 192.168.198// R2

Net plan file changes in U3:

enp0s8:

dhcp4: false

addresses: 192.168.166.4/24

Routes

to: 192.168.56.104/24 // U1

via: 192.168.166.3/24 // R3

to: 192.168.198.4/24 // U2

via: 192.168.166.3/24 // R3

MAC addresses traversed in the traceroute from U1->U2->R1:

I know this because when I ran the command “ip a” into the 4 VMs, I found the associated mac addressed used in all the VMs.

08:00:27:36:0e:53 - U1 - enp0s8

08:00:27:0f:36:17 - R1 - enp0s8

08:00:27:67:d1:a2 - R1 - enp0s9

08:00:27:aa:46:5c - U2 - enp0s8