KOMMRE FOR DUMMIES

1.ZADATAK (ne znam jel treba kaj provjeravati u immunes ali ja sam samo ovak napisal i tjt)

ABC znamenke jmbag

a)B000+1

b)B000+1+1500

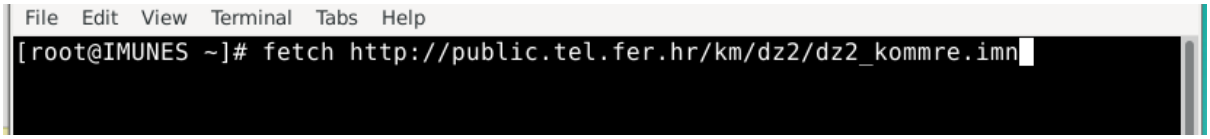
C)A000 %(MODUL) 1500

(ako je a000 % 1500 = 0 , onda pisemo 15000)

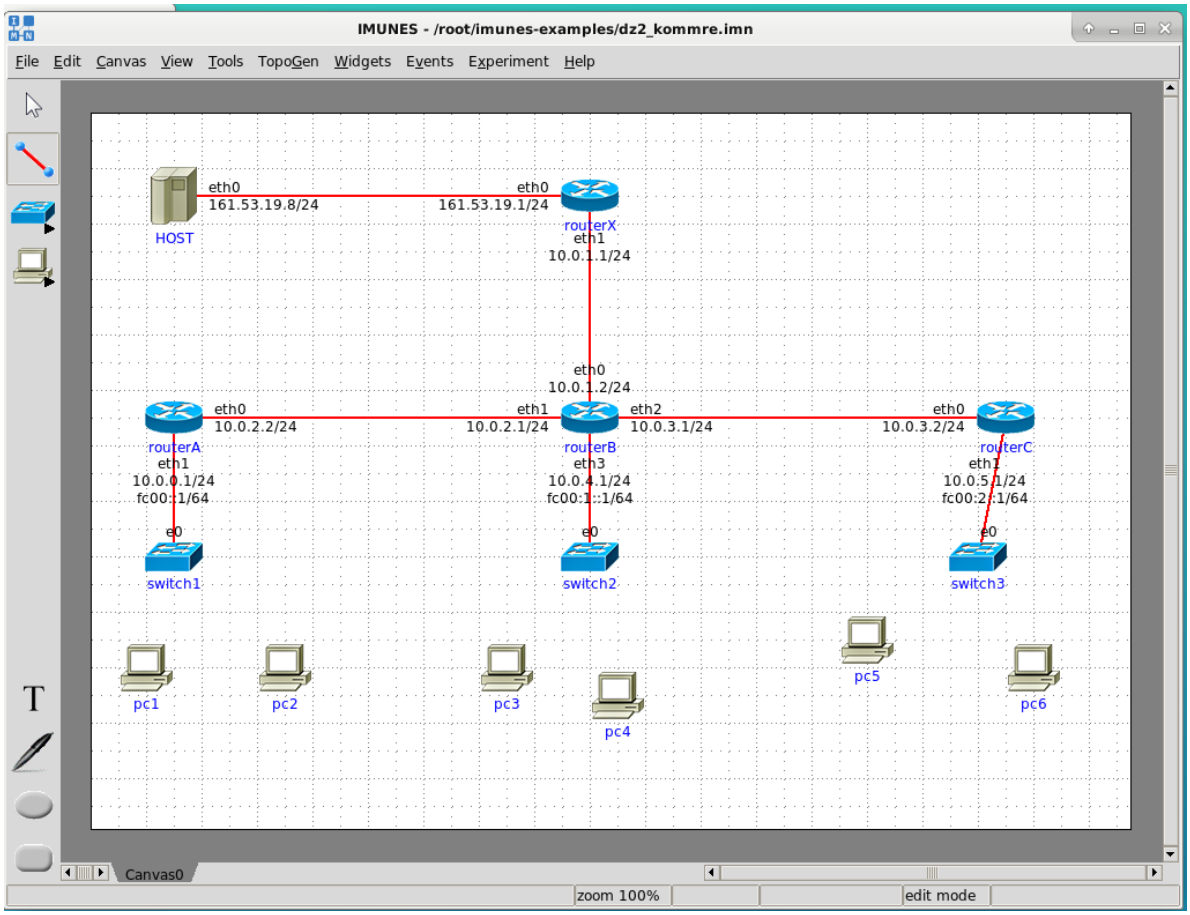
2.ZADATAK

Nakon izracuna onih podmreza preko jmbaga :

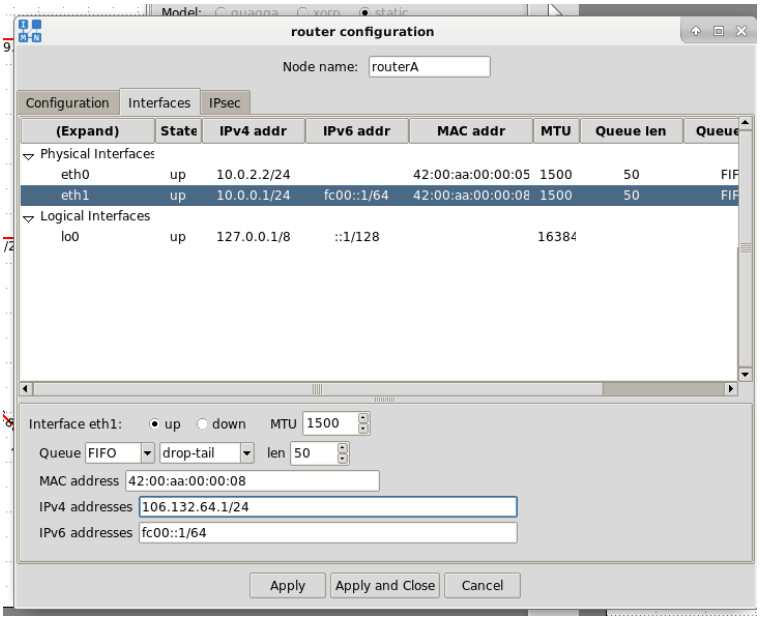
1. Skinut immunes file preko cmda



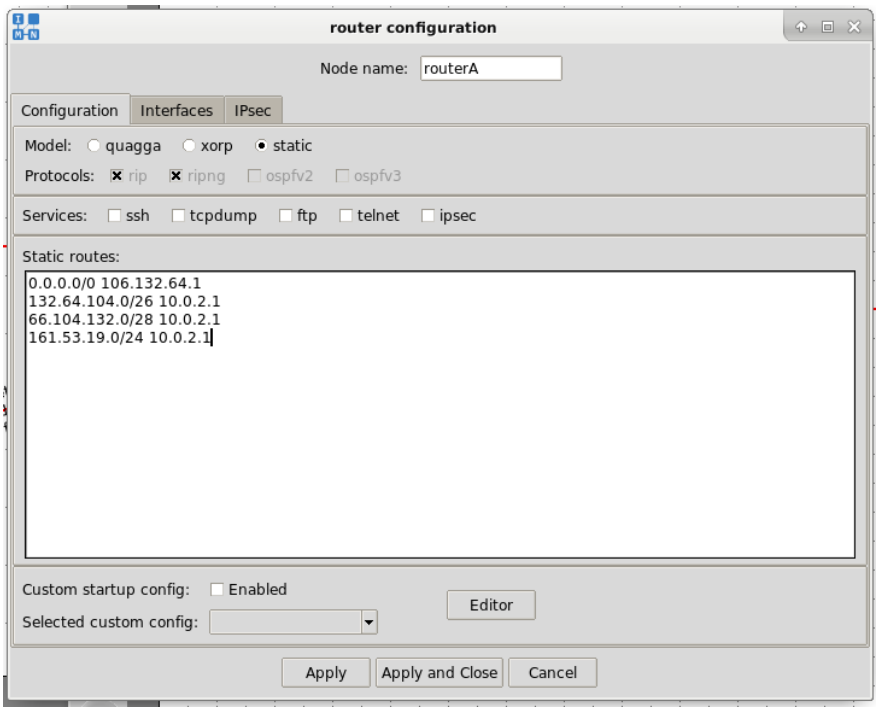
2. Nakon toga dodati switheve i PC-eve i povezati sa zicom router i switch da dobijemo rutu eth1



3. Podesiti sve routere i PC IP-ove.
   ROUTER A



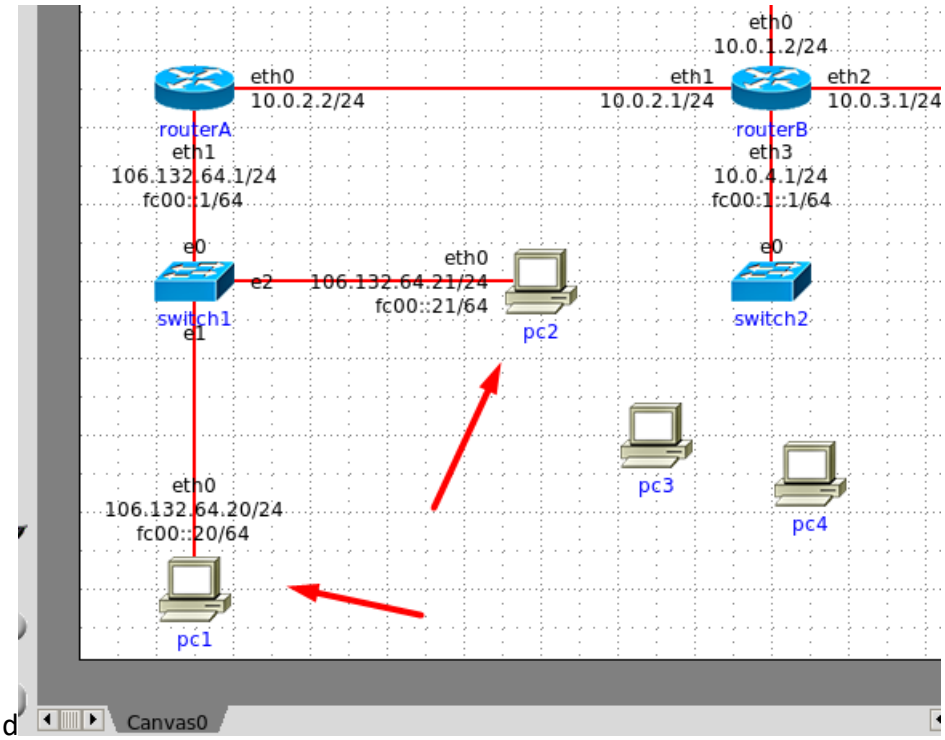
(Prvo postaviti IP za eth1 koji povezuje switch)



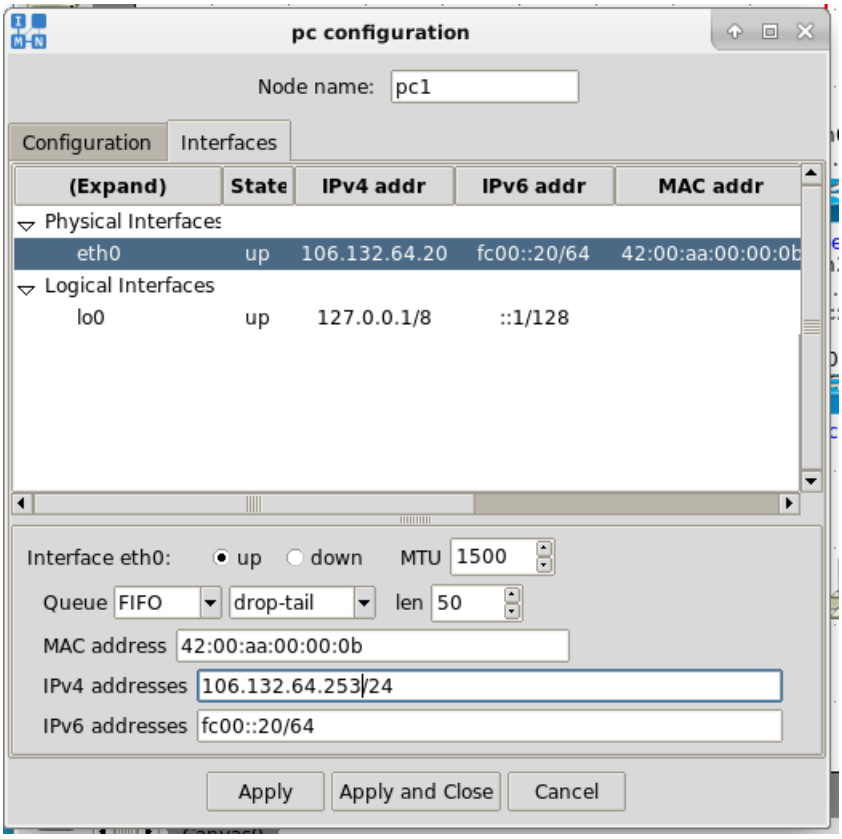
(Postaviti rute za povezanost sa ostalim routerima)

(ova IP 161.53.19.0 je od routeraX)

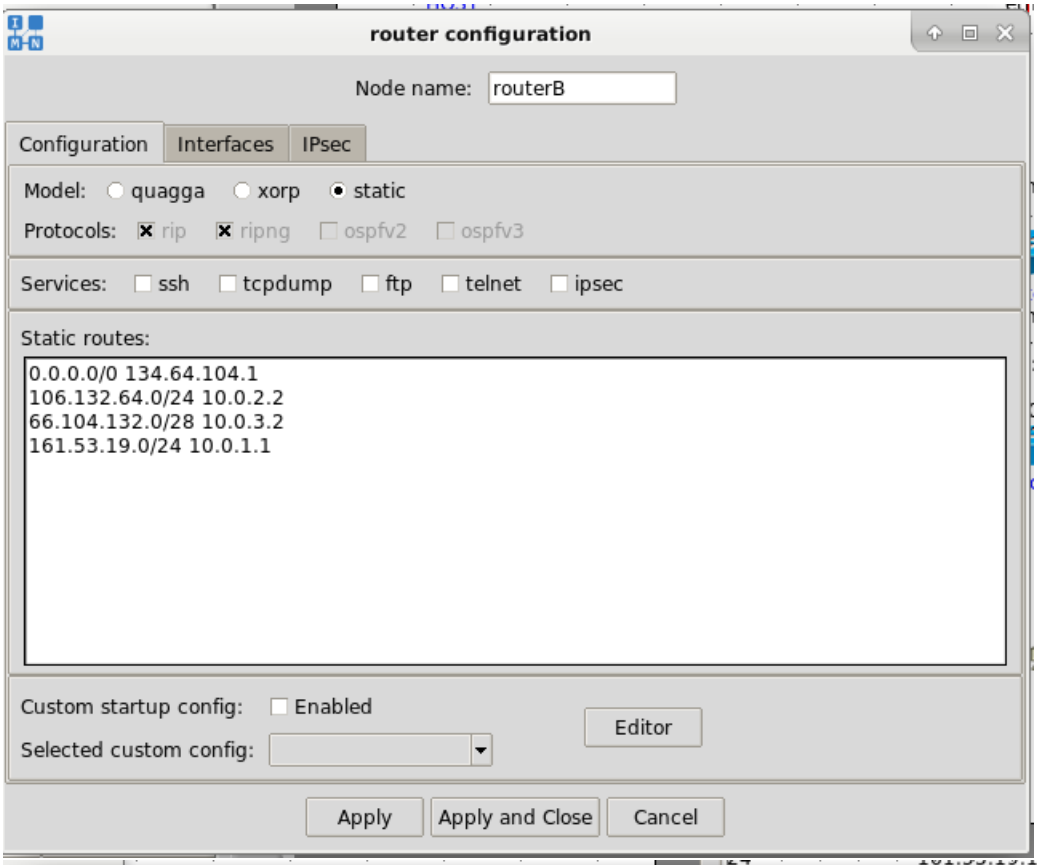
4. Zatim povezemo zicama PC1 i PC2 i postavimo ih kao x.x.x.254 i x.x.x.253

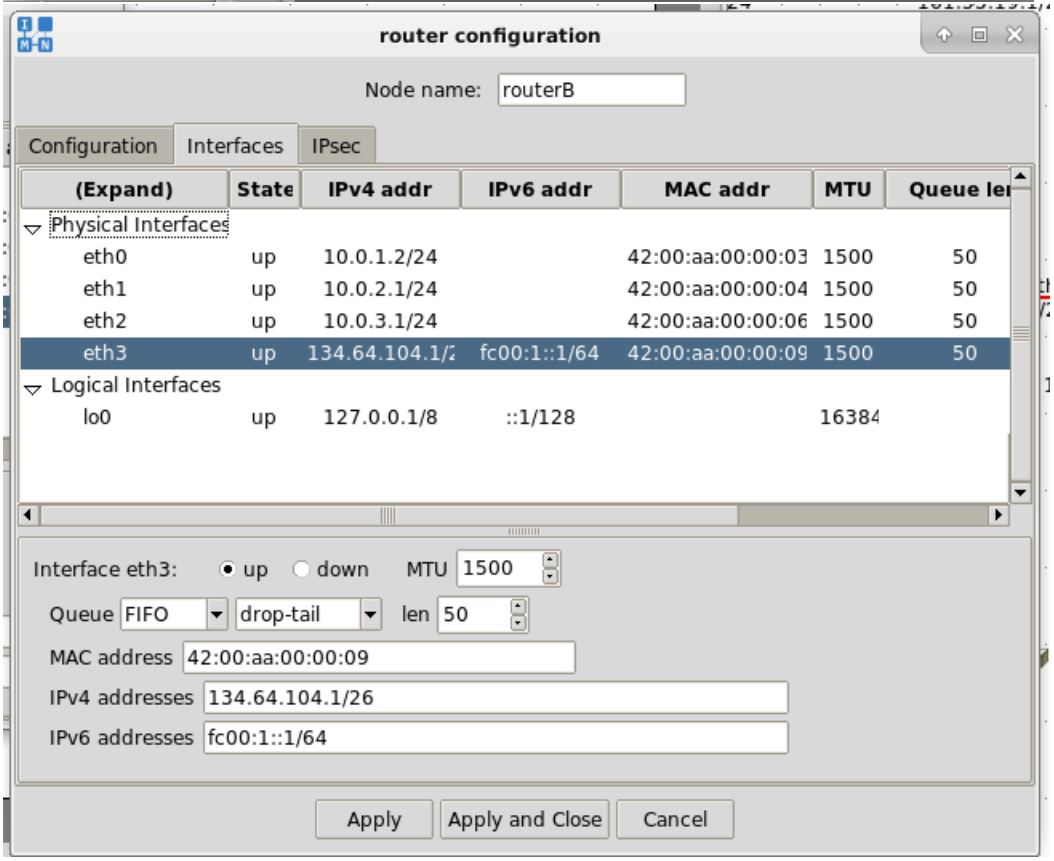

eth0
10.0.1.2/24
eth0
10.0.2.2/24
eth1
10.0.2.1/24
eth2
10.0.3.1/24
routerA
eth1
106.132.64.1/24
fc00::1/64
routerB
eth3
10.0.4.1/24
fc00:1::1/64
e0
e2
eth0
106.132.64.21/24
fc00::21/64
e0
switch1
e1
pc2
switch2
pc3
pc4
eth0
106.132.64.20/24
fc00::20/64
pc1
Canvas0

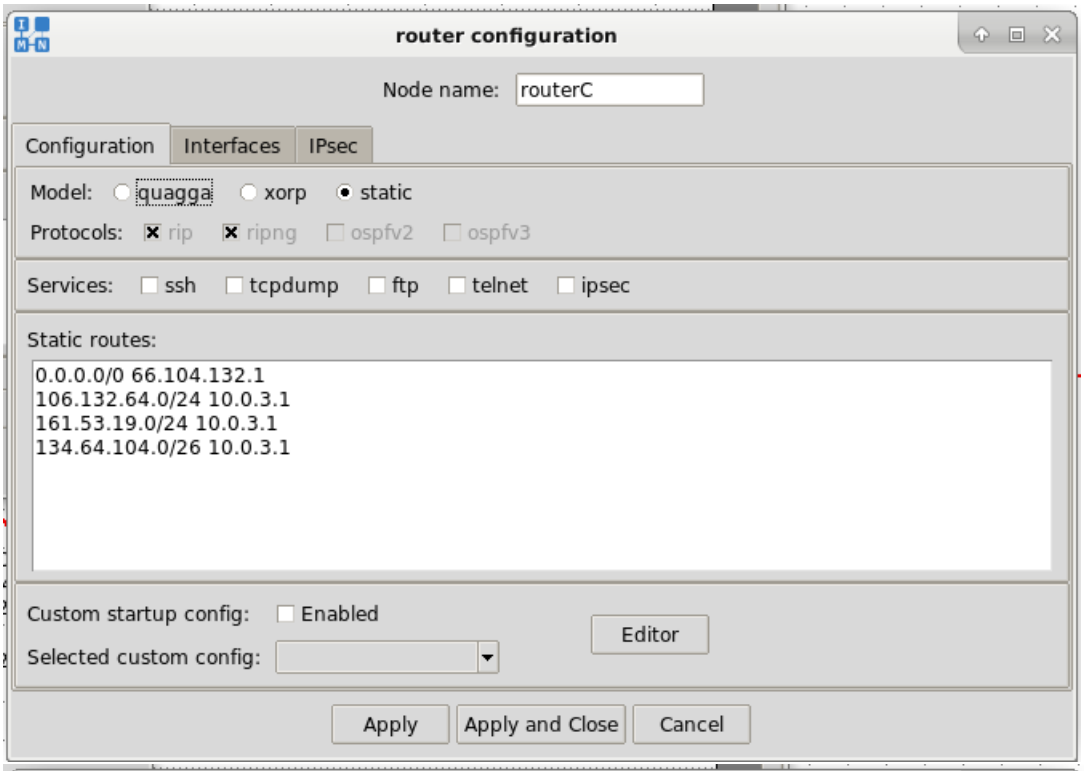
d

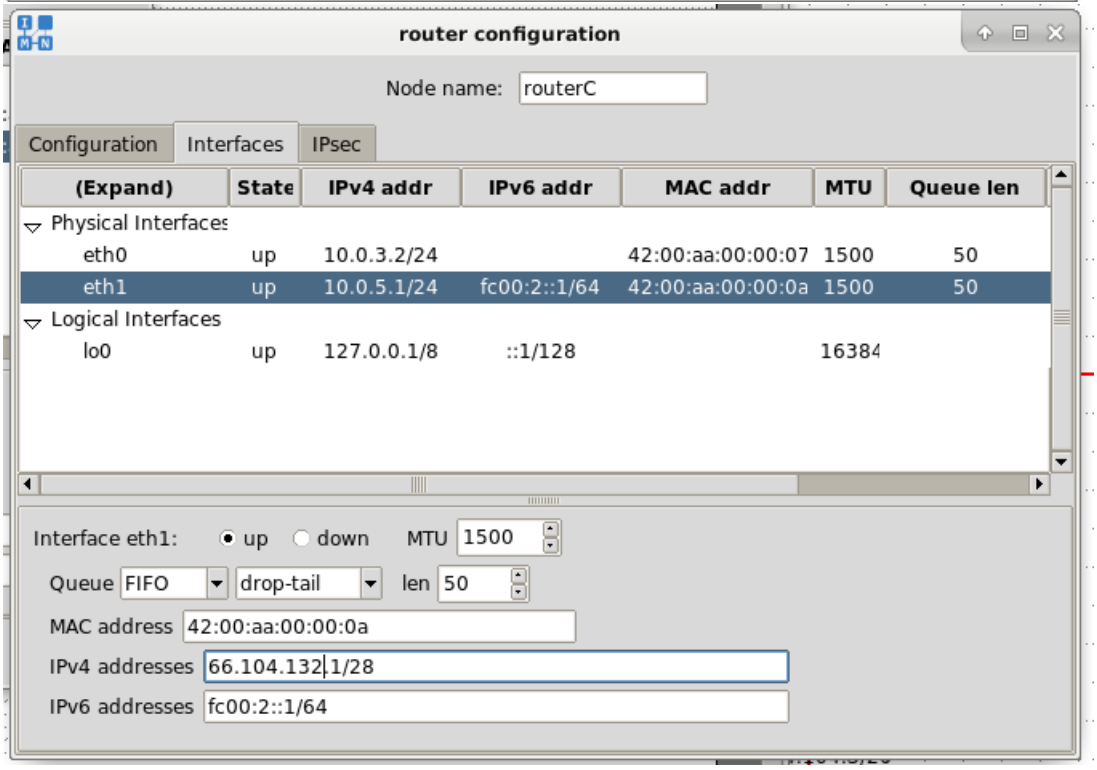

pc configuration
Node name: pc1
Configuration
Interfaces
(Expand)
State
IPv4 addr
IPv6 addr
MAC addr
Physical Interfaces
eth0 up 106.132.64.20 fc00::20/64 42:00:aa:00:00:0b
Logical Interfaces
lo0 up 127.0.0.1/8 ::1/128
Interface eth0: up down MTU 1500
Queue FIFO drop-tail len 50
MAC address 42:00:aa:00:00:0b
IPv4 addresses 106.132.64.253/24
IPv6 addresses fc00::20/64
Apply
Apply and Close
Cancel

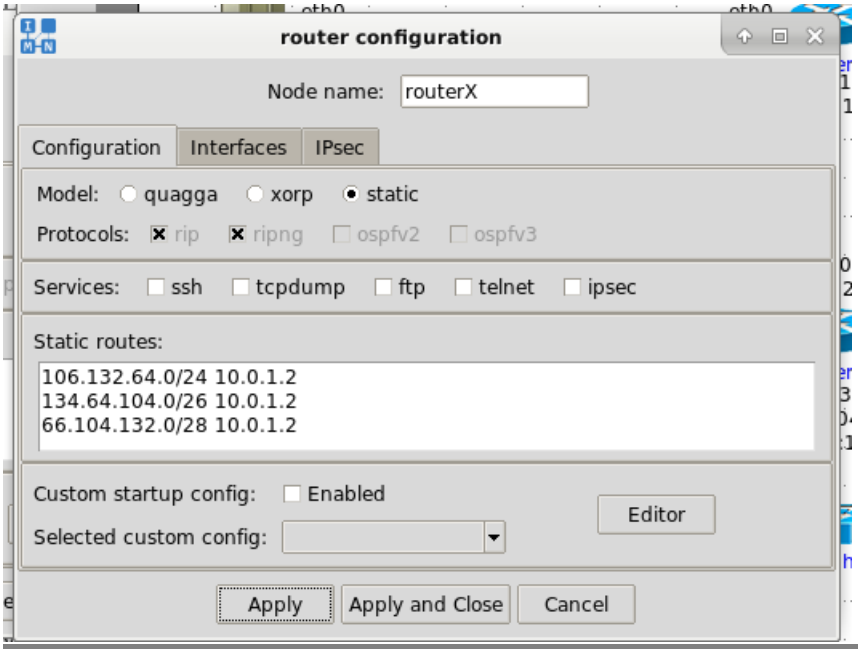
5. Isto radimo za routerB , routerC , routerX , za PC3 ,PC4,PC5,PC6 samo povezemo zice i odma se namjesti IP (ne znam ni jel treba u prvom postavljat na 253, 254 zadnje al radi tak)

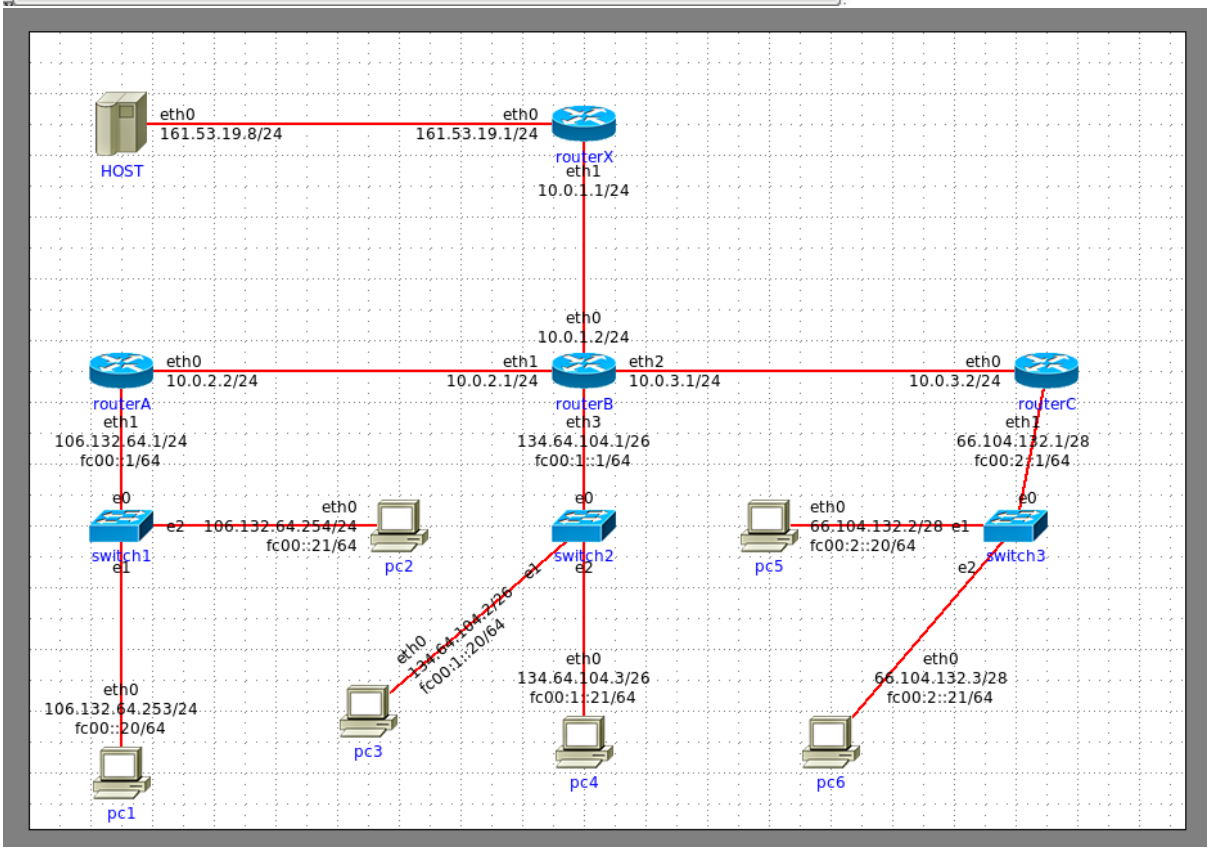





router configuration
Node name: routerC
Configuration
Interfaces
IPsec
Model: quagga xorp static
Protocols: rip ripng ospfv2 ospfv3
Services: ssh tcpdump ftp telnet ipsec
Static routes:
0.0.0.0/0 66.104.132.1
106.132.64.0/24 10.0.3.1
161.53.19.0/24 10.0.3.1
134.64.104.0/26 10.0.3.1
Custom startup config: Enabled
Selected custom config:
Editor
Apply
Apply and Close
Cancel

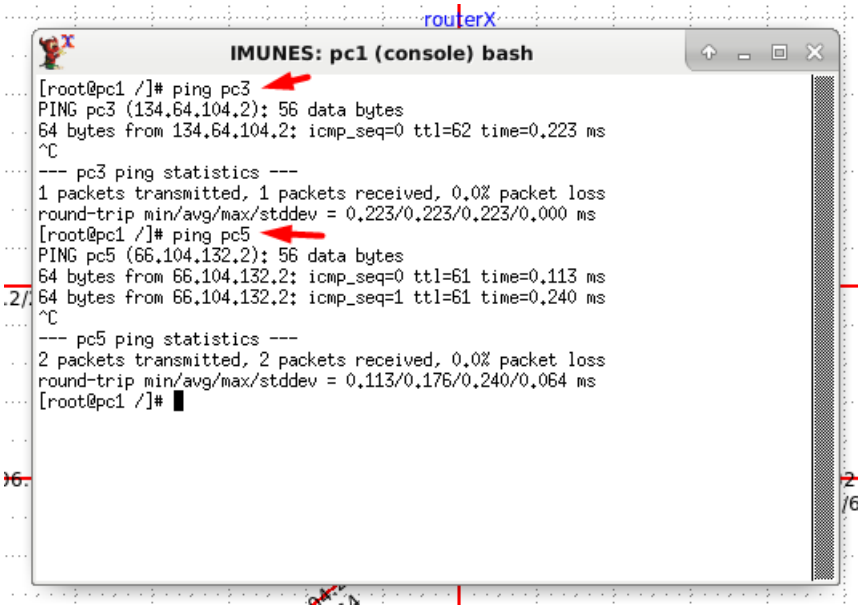

router configuration
Node name: routerC
Configuration
Interfaces
IPsec
(Expand)
State
IPv4 addr
IPv6 addr
MAC addr
MTU
Queue len
Physical Interfaces
eth0 up 10.0.3.2/24 42:00:aa:00:00:07 1500 50
eth1 up 10.0.5.1/24 fc00:2::1/64 42:00:aa:00:00:0a 1500 50
Logical Interfaces
lo0 up 127.0.0.1/8 ::1/128 16384
Interface eth1: up down MTU 1500
Queue FIFO drop-tail len 50
MAC address 42:00:aa:00:00:0a
IPv4 addresses 66.104.132.1/28
IPv6 addresses fc00:2::1/64





Izgled gotove i povezane mreze.

Provjera jel radi sve pingamo s PC1 , PC3/4 i PC5/6

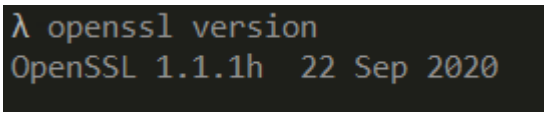


Ak vam i dalje ne radi , pogledaj jel su sve konfuguracije ruter i eth dobro napisane , onda na PC konfiguraciji treba na router pod rute pisat IP eth s kojim se spaja na router , treba izgledat kao nesto .. x.x.x.1 , a greska zna bit ako je napisana adresa podmreze u obliku x.x.x.0

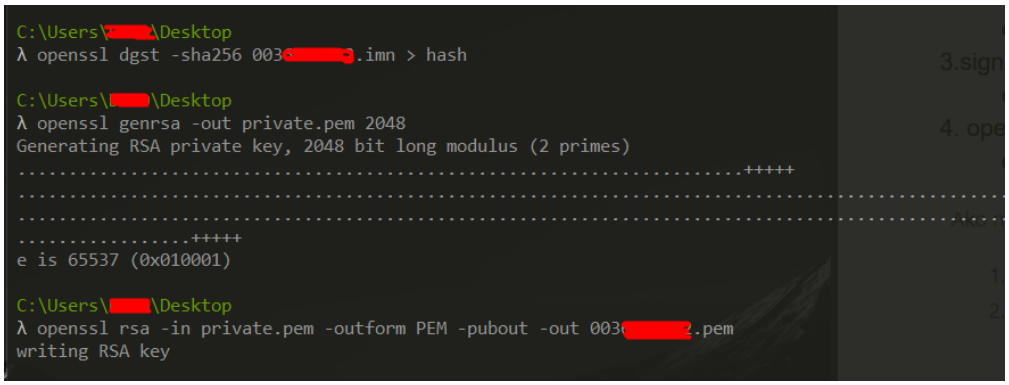
3.ZADATAK

Ak vam u imunnesu ne radi probajte na windows cmdu

Provjera jel imate openssl instaliran (a trebal bi bit) preko cmd

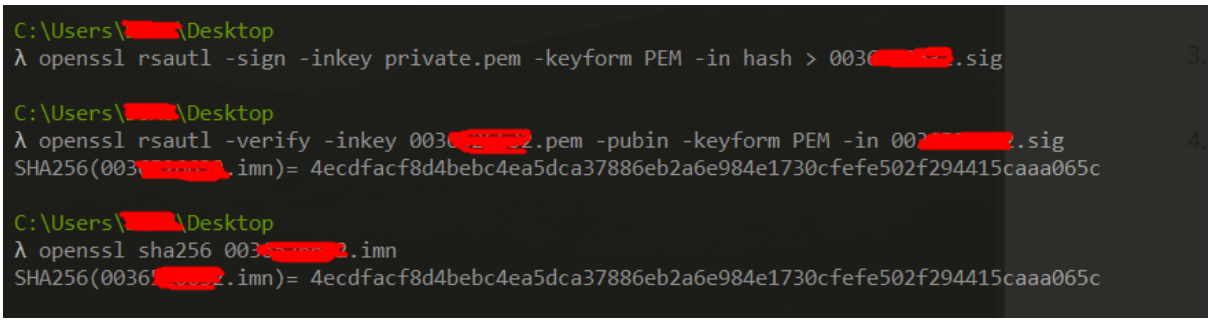


Generiranje privatnog kljuca (2naredba) private.pem , generiranje public key iz privatnog kljuca spremljen ko jmbag.pem



Potpisivanje naseg imn fajla koji smo spremili u hash pomocu privatnog kljuca .

Provjera jel nam hash potpisa (jmbag.sig) jednak kad radimo preko komande zadnje



(sha256..)