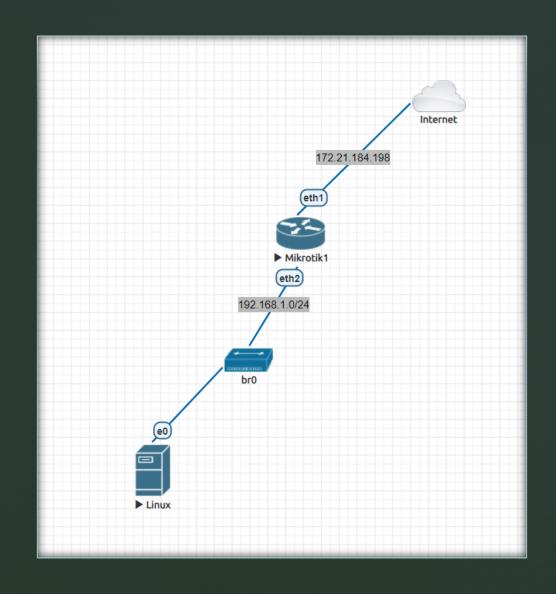
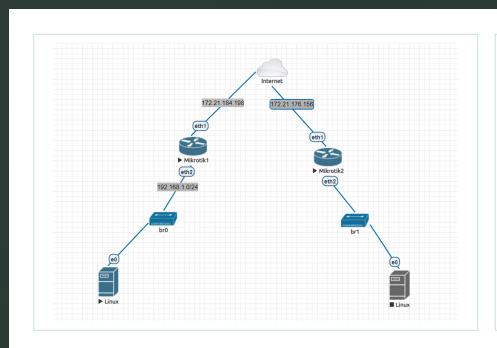
Laboratoare Retelistica

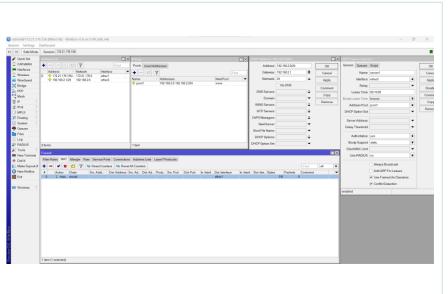
## Rutare Statica

### Setup

Incepem laboratorul cu setup-ul trecut in care aveam un router conectat la WAN si cu o retea LAN la care era atasat un container LXC.





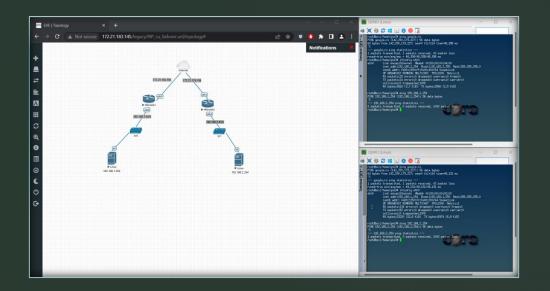


Pe care il vom dubla dupa cum se poate vedea mai sus

Setup

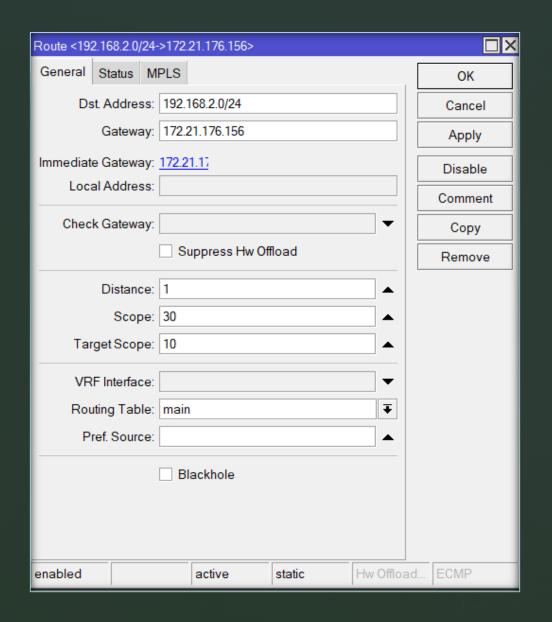
# Routarea in cele doua retele

- Desi fiecare retea are acces pe WAN cele doua nu sunt accesibile intre ele.
- Metoda explicate in acest laborator este de a face rute statice intre cele doua echipamente pentru a se cunoaste intre ele (din punct de vedere al LANurilor 192.168.1.0/24 si 192.168.2.0/24)



#### Adaugarea Rutelor

- Pentru a adauga pe
   Mikrotik1 ruta catre LAN-ul
   lui Mikrotik2 trebuie sa
   intram in IP->Routes
- Unde adaugam o ruta noua, la Dst. Address setam
   192.168.2.0/24 reteaua LAN a lui Mikrotik2.
- La Gateway punem IP-ul extern al routerului Mikortik2 (172.21.176.156)



#### Adaugarea Rutelor

- Daca testam ping-ul din masina linux aflat in prima retea putem observa ca exista conexiune catre masina linux aflata in a doua retea.
- Dar daca dam ping de pe cea de a doua masina catre prima nu vom reusi.

```
root@box:/home/gns3# ping 192.168.2.254
PING 192.168.2.254 (192.168.2.254): 56 data bytes
64 bytes from 192.168.2.254: seq=0 ttl=62 time=2.448 ms
64 bytes from 192.168.2.254: seq=1 ttl=62 time=2.947 ms
^C
--- 192.168.2.254 ping statistics ---
2 packets transmitted, 2 packets received, 0% packet loss
round-trip min/avg/max = 2.448/2.697/2.947 ms
root@box:/home/gns3#
```

```
root@box:/home/gns3# ping 192.168.1.254
PING 192.168.1.254 (192.168.1.254): 56 data bytes

C
--- 192.168.1.254 ping statistics ---
3 packets transmitted, 0 packets received, 100% packet loss
root@box:/home/gns3#
```

#### Adaugarea Rutelor

- Asa cum am facut prima retea, o vom face pe a doua in oglinda cu prima. Tot asa, vom face si rutarea. Deci, vom adauga o ruta statica pe Mikrotik2.
- La Dst. Address setam reteaua primului router: 192.168.1.0/24
- La Gateway setam IP-ul WAN al primului router: 172.21.184.198
- Daca dam acum ping in linux-ul din primul LAN putem vedea ca avem un raspuns.

