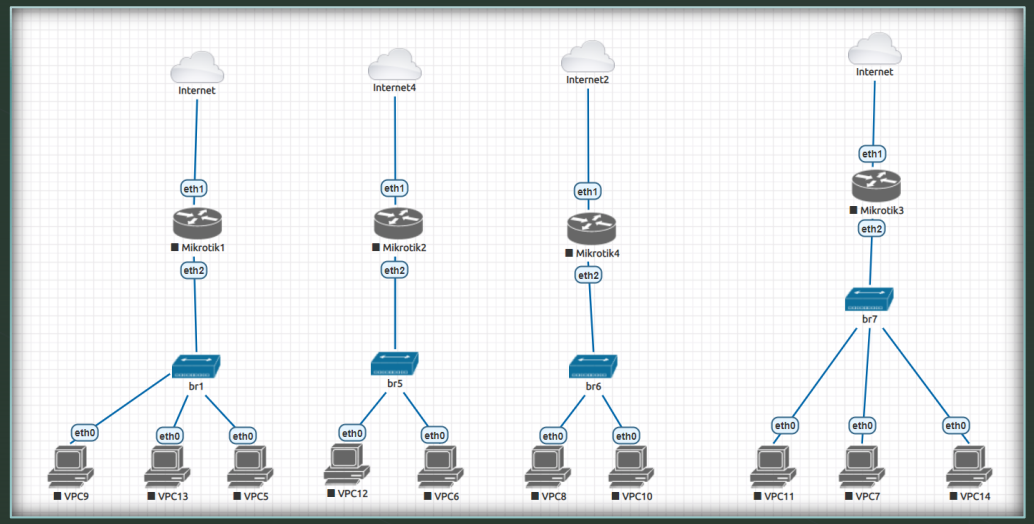
Laboratoare Retelistica

Setarea tunelului VXLAN

Topologie

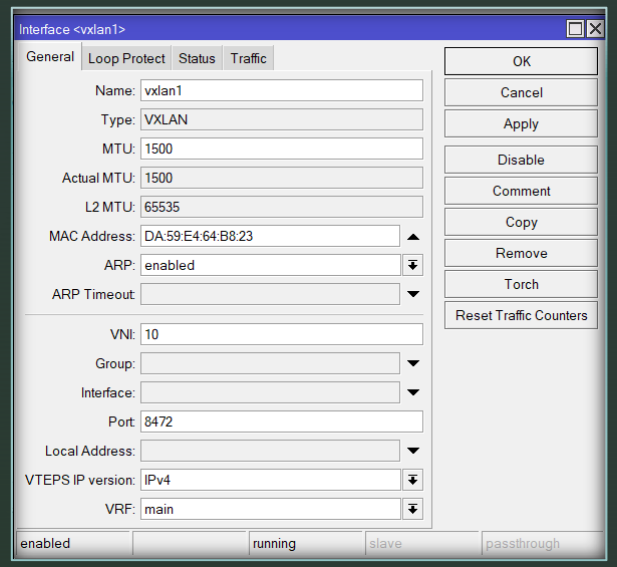
In topologia din imaginea alaturata avem 4 zone remote pe care vrem sa le unim intr-un singur LAN.

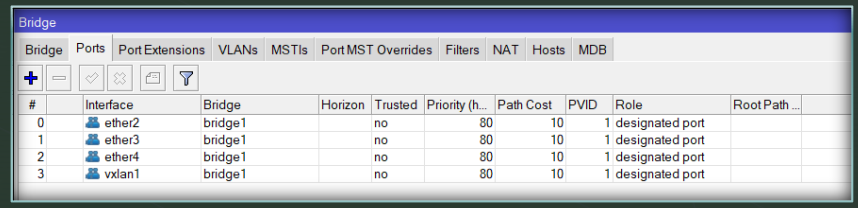
Vom folosi tunelul VXLAN pentru a extrinde reteaua locala de la routerul MikroTik1 la celelate.



Configurare MikroTik1

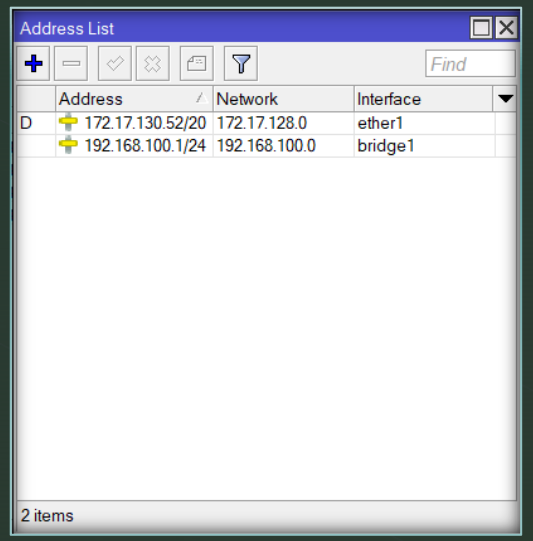
- In Interfaces-> VXLAN facem o noua interfata VXLAN.
- Acolo trebuie sa setam un port si un VNI care este asemanator cu VLAN ID.
- Acesta va actiona ca un conector de LAN sau ca un server la care se vor conecta celelate routere.
- Acum vom face un bridge unde vom adauga interfetele de LAN si VXLAN-ul facut.

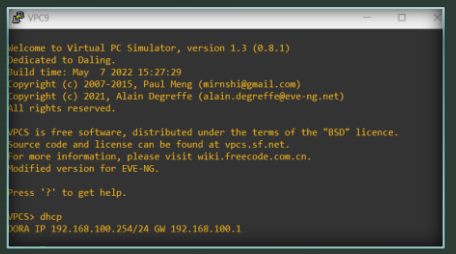


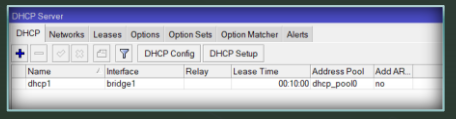


Configurare MikroTik1

- Asigan bridge-ului o adresa ip si un server DHCP.
- Si putem deschide un calculator conectat (Ex: VPC9) si sa facem un request dhcp.

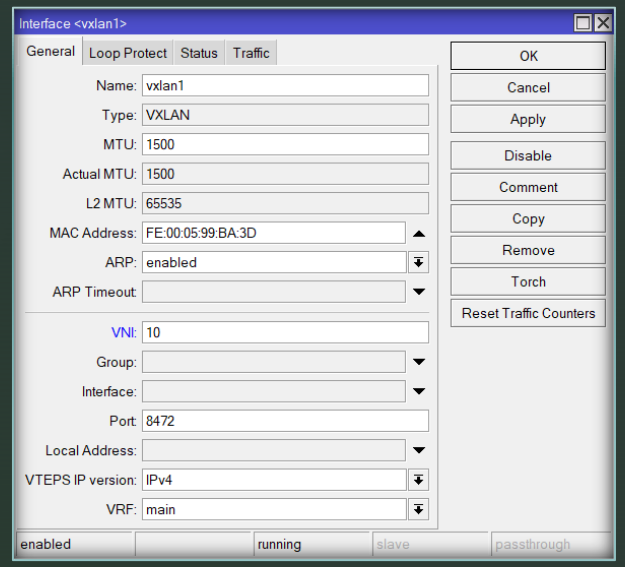


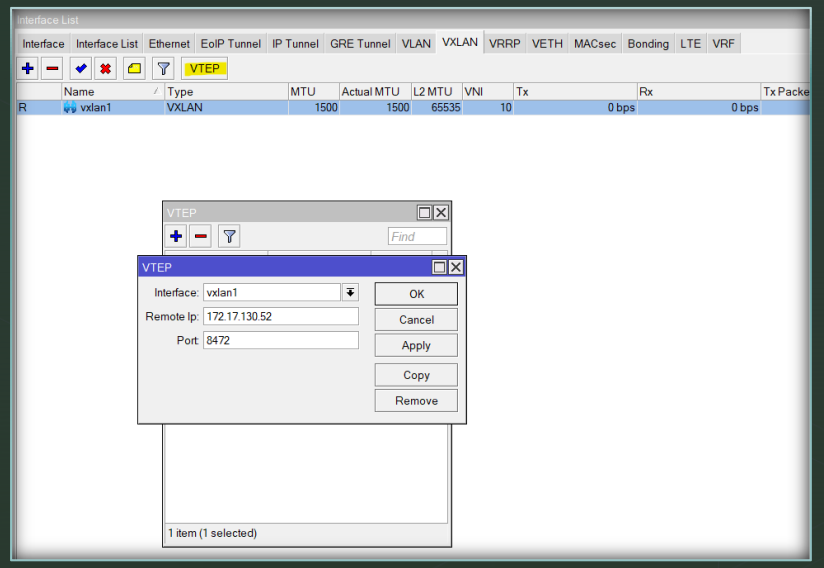




Configurare MikroTik2

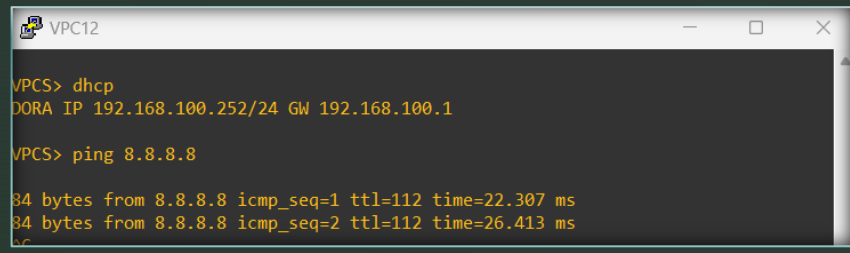
- Acest router va actiona ca un client care se conecteaza la VXLAN-ul MikroTik1.
- Ca si la primul setup vom face o interfata VXLAN cu acelasi VNI(10).
- Dup care intram in Interfata VTEP unde adaugam o noua conexiune aici trebuie sa punem ip-ul de WAN al primului router si portul setat in VXLAN

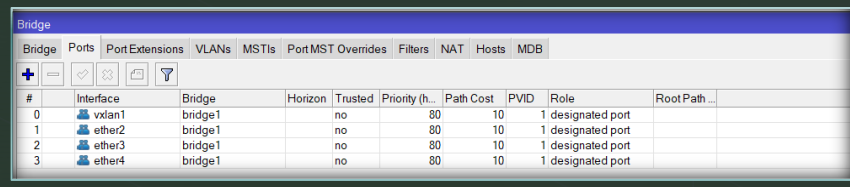




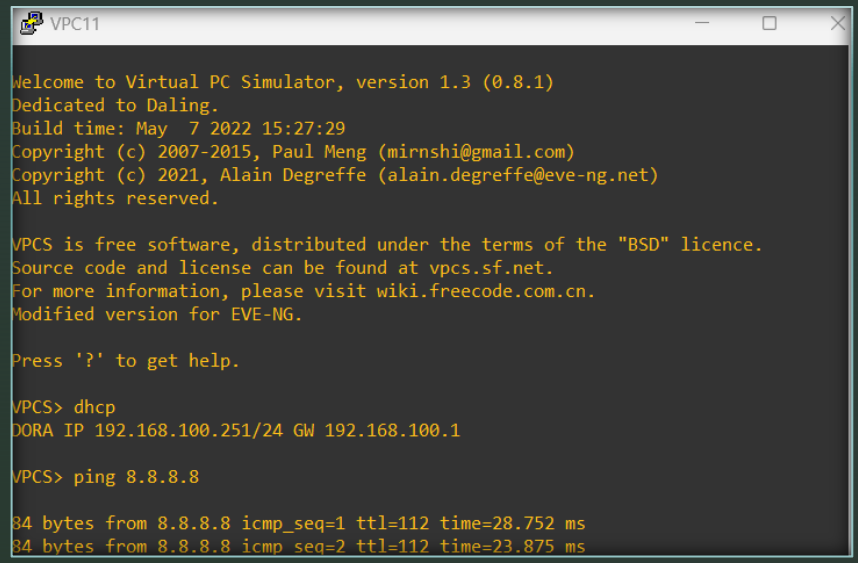
Configurare MikroTik2

- Pe primul router adaugam si acolo un VTEP cu adresa celui de al 2 lea
- Dupa care facem si aici un bridge unde legam VXLAN-ul de interfetele fizice.
- Testam cu un VPC conectat la router.

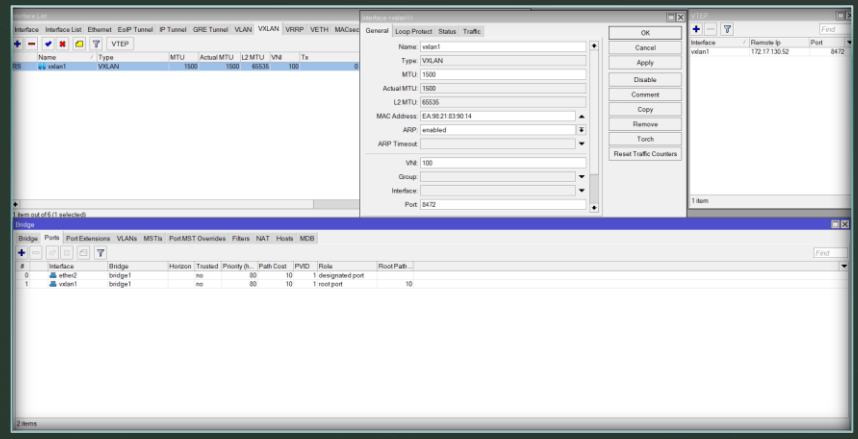




Configurare MikroTik3 si 4



Repetam procesele pe routerul 3 si 4.



Testarea Tunelului

- Putem monitoriza cu Wireshark interfata de WAN a routerului 1 si sa dam un ping de pe un VPC din alt router (in cazul meu routerul 3).
- Si vedeam ca iesim prin routerul1.