CREAR UNA VLAN EN MIKROTIK CON UNA RED ADICIONAL

P.A.R

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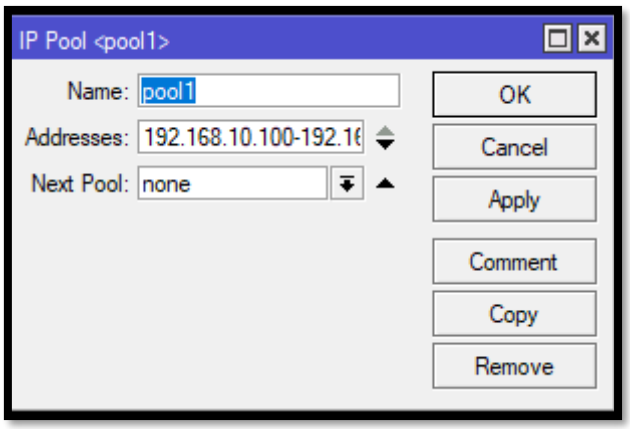
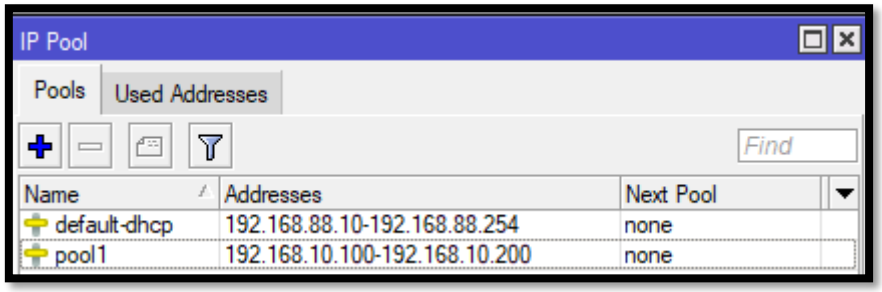
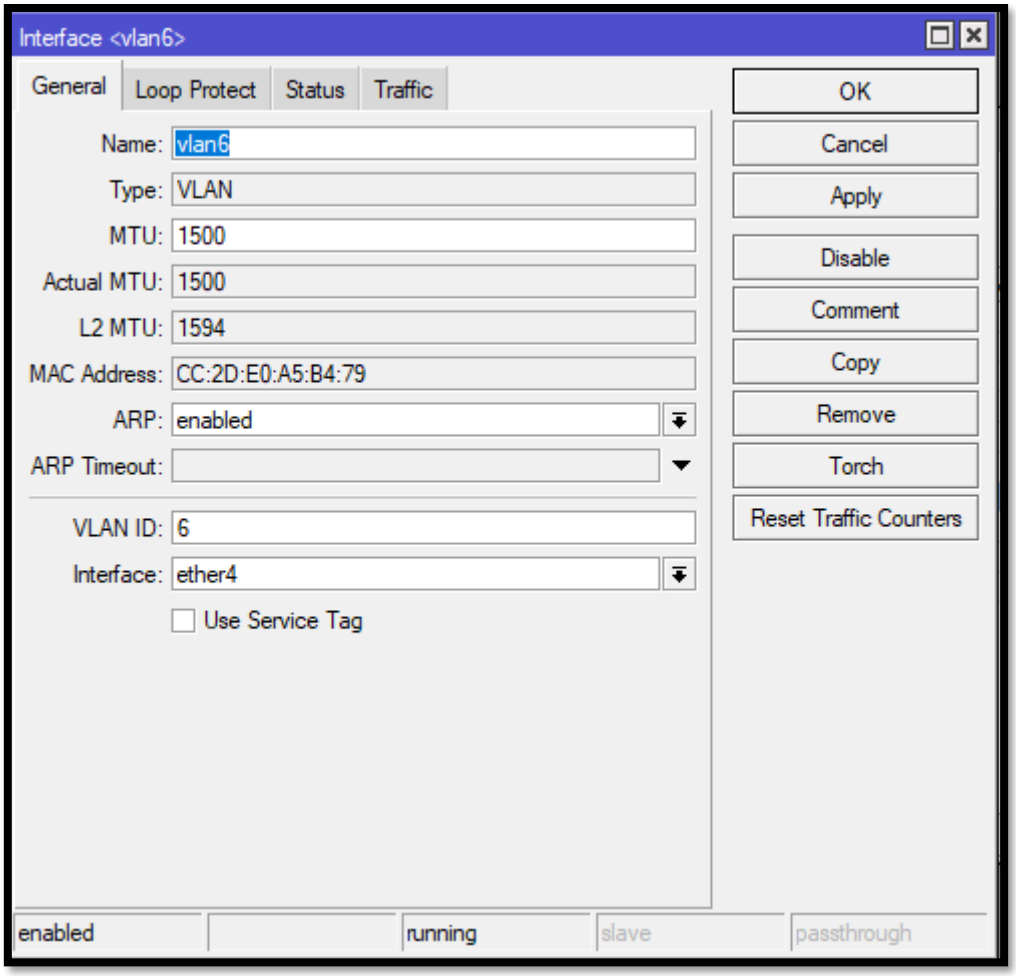
Contenido

1. Crear ‘pool’ de direcciones.

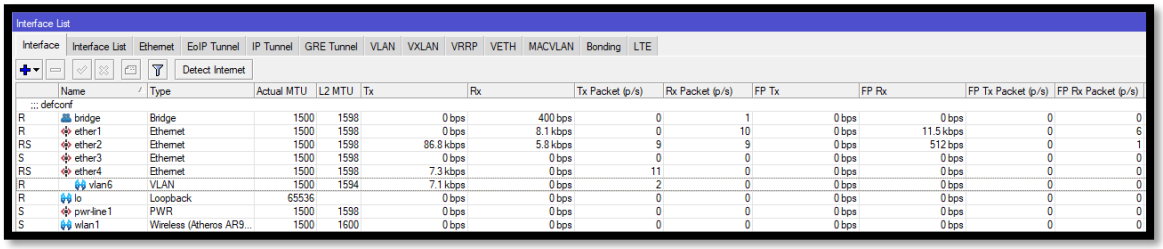


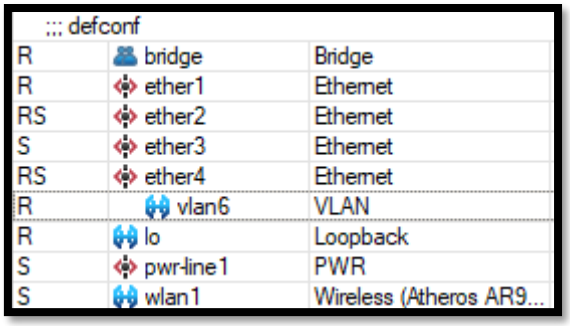


2. Se crea como la VLAN como una subinterfaz. En este caso de ETH4. En la ventana “Interfaces” se pulsa “+” y se elige VLAN. La ID de VLAN es el número de marcado de las tramas 802.1Q en este caso es 6.

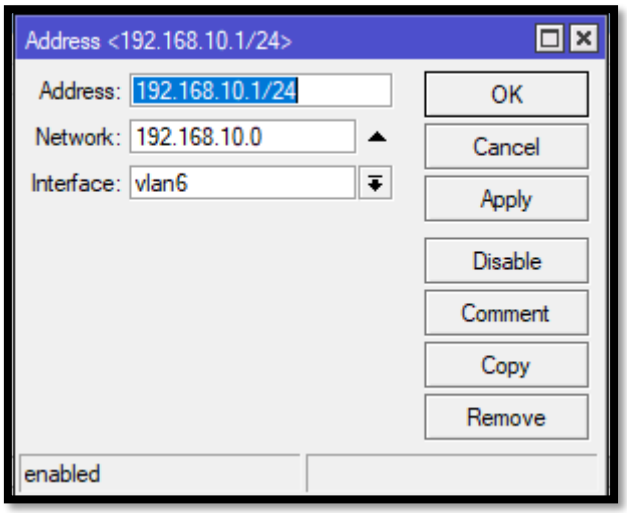


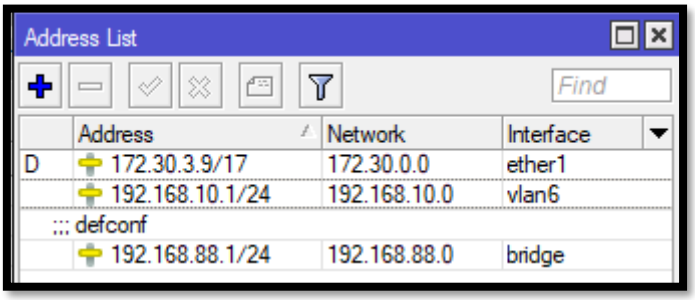
2.1 Lista de interfaces.



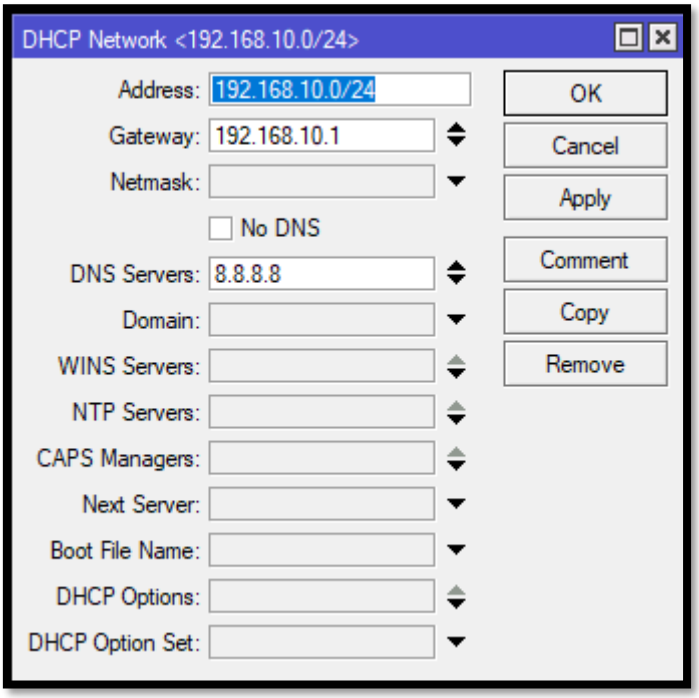


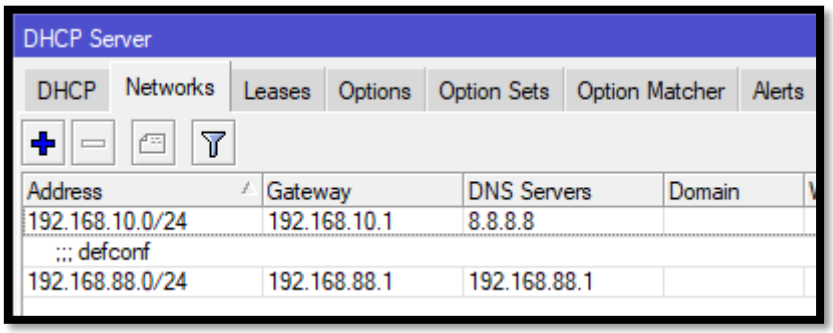
3. Asignación de IP a la nueva interfaz.





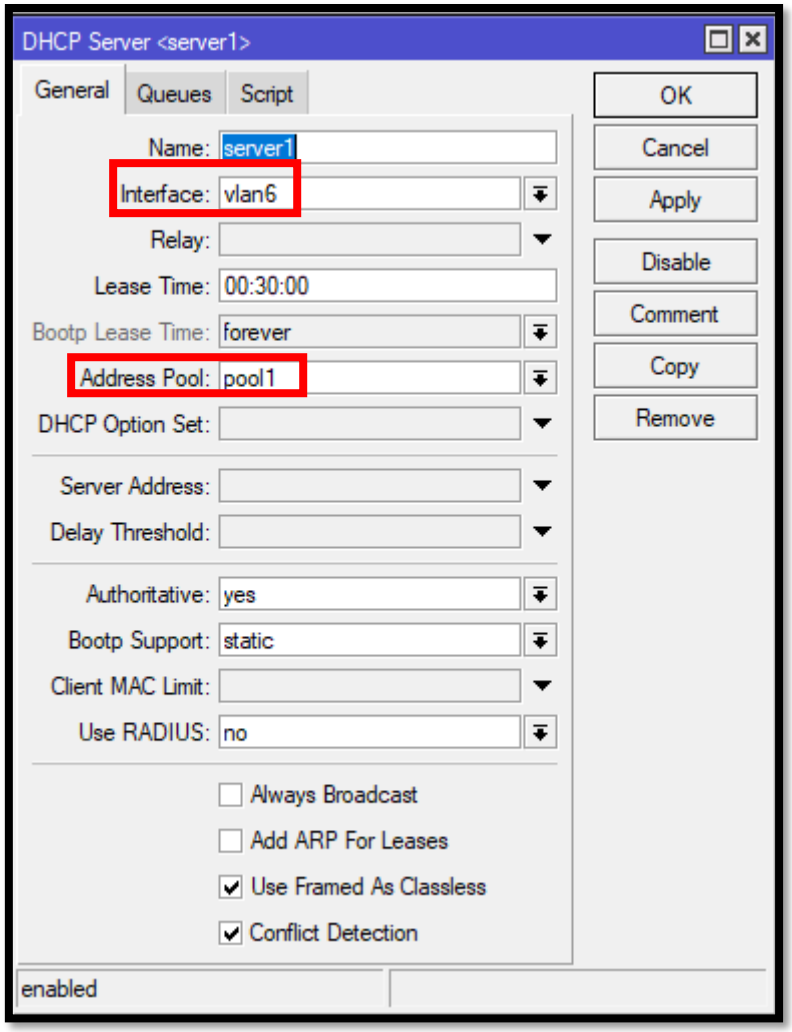
4. Creación de RED para el servidor DHCP (IP-> DHCP Server).

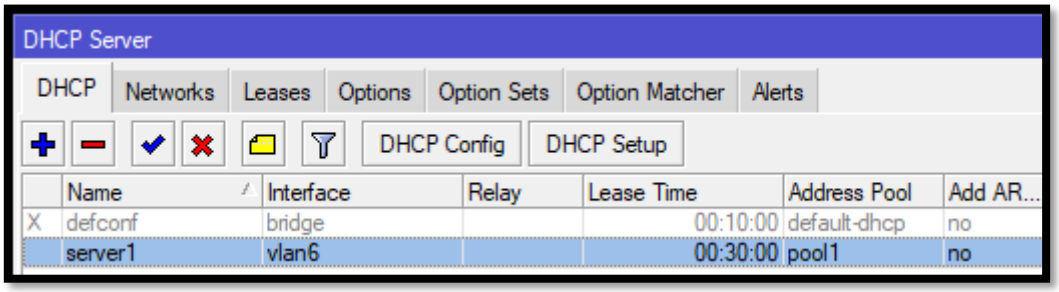




5. Creación del servidor DHCP en la interfaz “vlan6”.

- El nuevo servidor estará en rojo hasta que haya un cable conectado e ETH4.

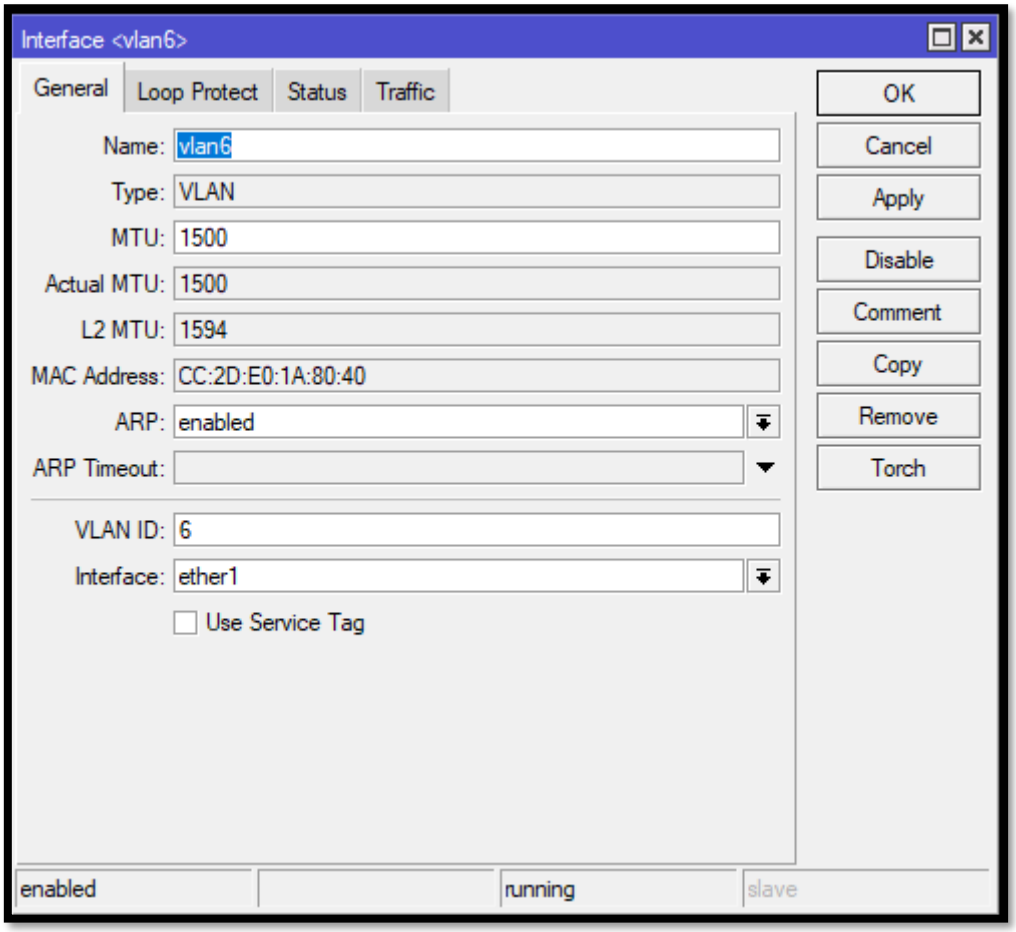

DHCP Server <server1>
General
Queues
Script
OK
Cancel
Apply
Disable
Comment
Copy
Remove
Name: server1
Interface: vlan6
Relay:
Lease Time: 00:30:00
Bootp Lease Time: forever
Address Pool: pool1
DHCP Option Set:
Server Address:
Delay Threshold:
Authoritative: yes
Bootp Support: static
Client MAC Limit:
Use RADIUS: no
Always Broadcast
Add ARP For Leases
Use Framed As Classless
Conflict Detection
enabled

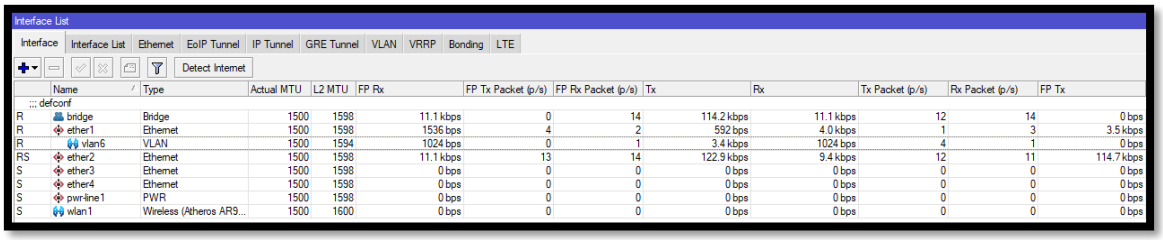

DHCP Server
DHCP
Networks
Leases
Options
Option Sets
Option Matcher
Alerts
DHCP Config
DHCP Setup
Name
Interface
Relay
Lease Time
Address Pool
Add AR...
X defconf bridge 00:10:00 default-dhcp no
server1 vlan6 00:30:00 pool1 no

6. CONFIGURACIÓN DEL ROUTER CLIENTE.

6.1 Añadir VLAN.

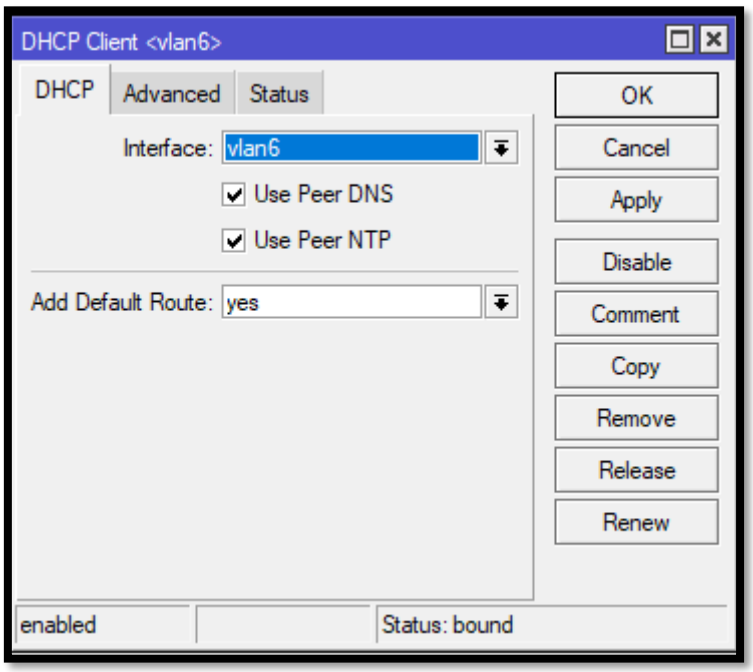
- En este caso se añade al puerto ETH1, CON EL MISMO NÚMERO DE VLAN QUE EL SERVIDOR.

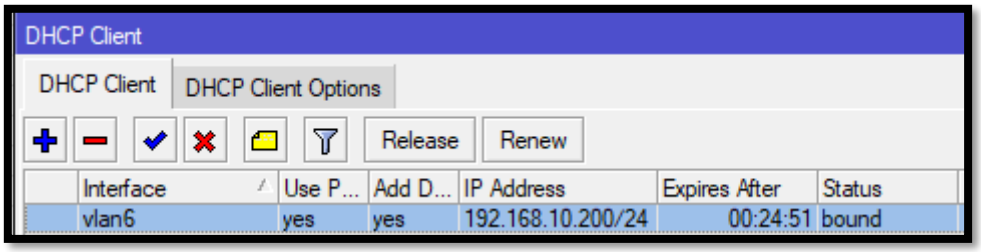




6.2 Añadir en el menú IP-> DHCP Client. Pulsar “+”.

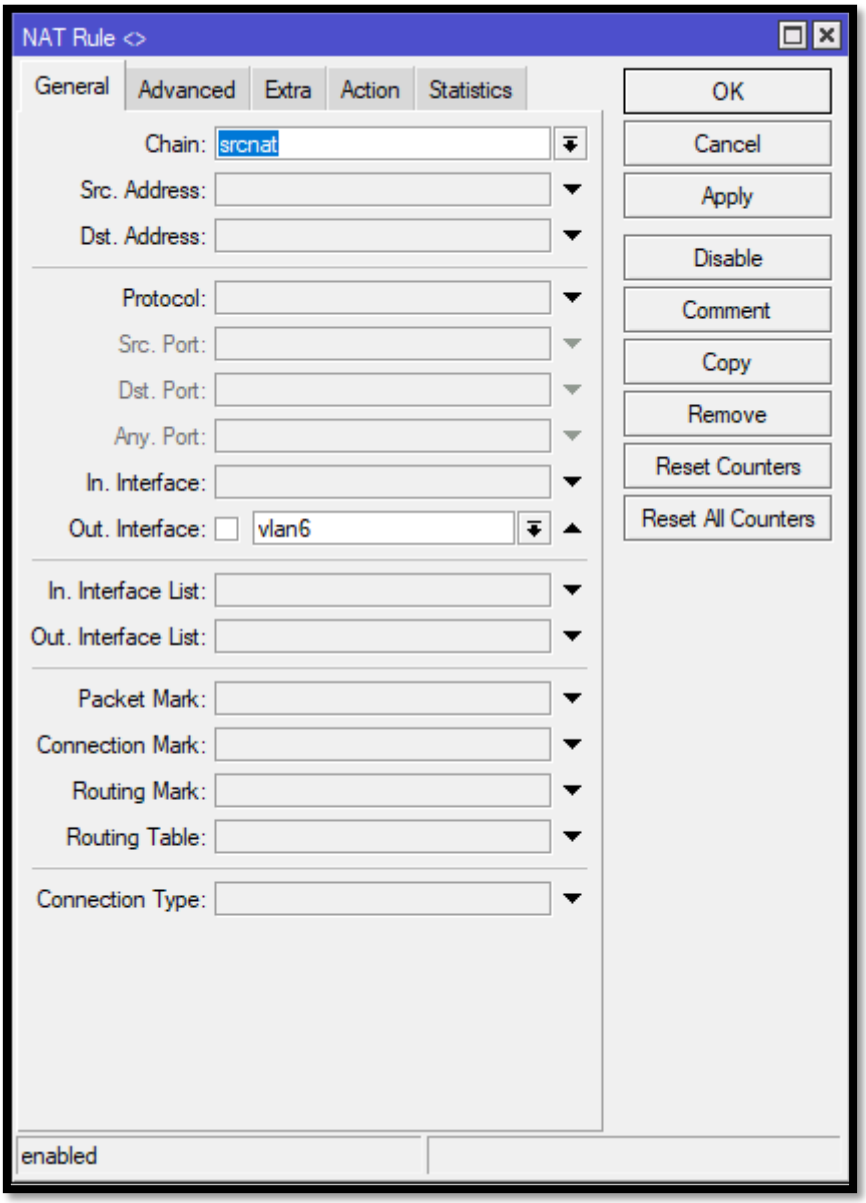
- Se ha deshabilitado el de ether1 para evitar que tengamos otra dirección IP (podemos tener las dos direcciones).



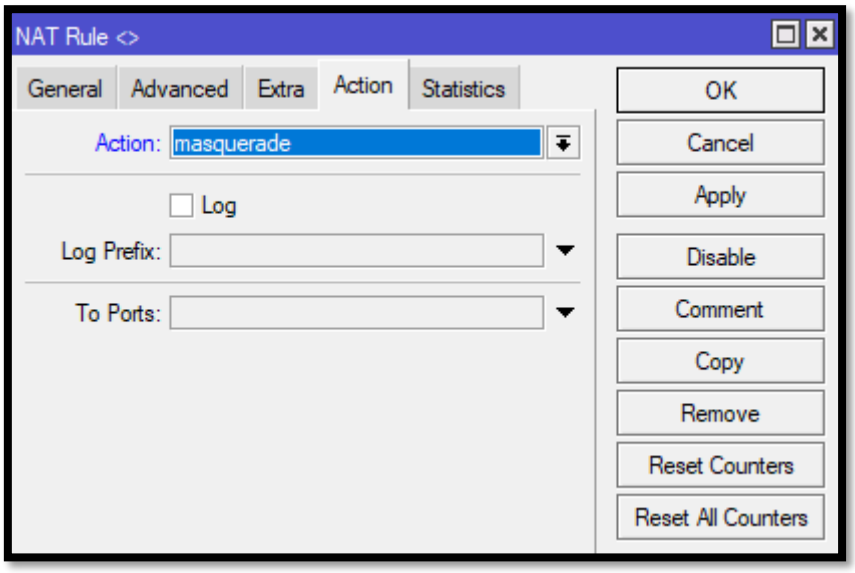


6.3 Cortafuegos (IP-> Firewall-> NAT-> “+”).

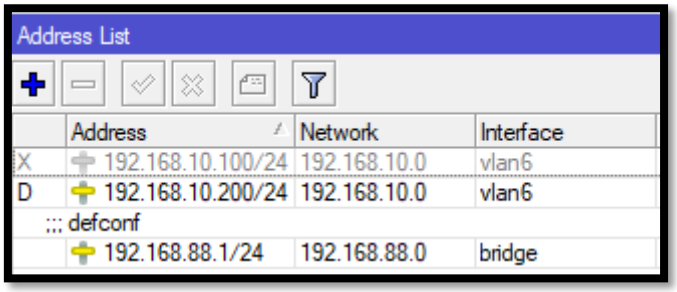
- Debe tener la regla NAT activada para VLAN 6.



6.3.1 Acción “masquerade”.



6.4 Debe constar la dirección que ha dado el servidor DHCP en la VLAN 6.



6.5 Debe estar la ruta por defecto en el la vlan6 del cliente.

6.6 Uso de DNS externo.