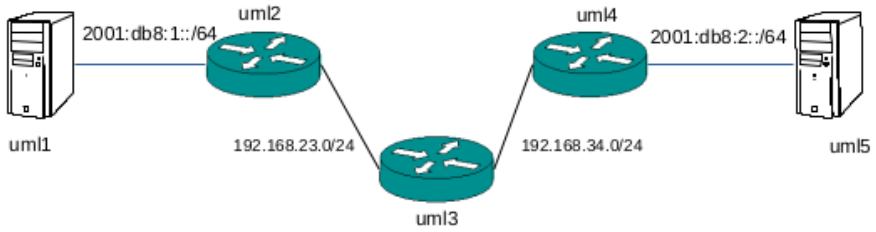
Índice

1. Túneles 6in4

Dado el siguiente escenario:




```
# net.conf
defsw br12 uml1.0 uml2.0
defsw br23 uml2.1 uml3.0
defsw br34 uml3.1 uml4.0
defsw br23 uml4.1 uml5.0

! UML1 y UML5
configure terminal
int eth0
no shutdown
end
write

! UML2
configure terminal
int eth0
ipv6 address 2001:db8:1::1/64
ipv6 nd prefix 2001:db8:1::/64 ! Para que anuncie su prefijo a UML1
no ipv6 nd suppress-ra
quit
int eth1
ip address 192.168.23.1/24
quit
ip route 0.0.0.0/0 192.168.23.2
ipv6 forwarding
ip forwarding
end
write
```

```
! UML3
configure terminal
int eth0
ip address 192.168.23.2/24
quit
int eth1
ip address 192.168.34.2/24
quit
ip forwarding
ip route 192.168.23.0/24 192.168.34.2
ip route 192.168.34.0/24 192.168.23.2
end
write

! UML4
configure terminal
int eth0
ip address 192.168.34.1/24
quit
int eth1
ipv6 address 2001:db8:2::1/64
ipv6 nd prefix 2001:db8:2::/64 ! Para que anuncie su prefijo a UML5
no ipv6 nd suppress-ra
quit
ip route 0.0.0.0/0 192.168.34.2
ipv6 forwarding
ip forwarding
end
write

# UML2 (bash)
ip tunnel add tunnel1 mode sit remote 192.168.34.1
ip link set dev tunnel1 up mtu 1400
ip route add 2001:db8:2::/64 dev tunnel1

# UML4 (bash)
ip tunnel add tunnel2 mode sit remote 192.168.23.1
ip link set dev tunnel2 up mtu 1400
ip route add 2001:db8:1::/64 dev tunnel2

# TEST
# probar desde vtysh en UML1 y UML2 que se anunció correctamente el prefijo
show ipv6 route

# TEST
# Desde UML2, probar un ping a UML4 y viceversa
ping -c 5 192.168.(34|23).1
```

```
# Desde UML1, probar un ping6 a UML5 y viceversa
ping6 -c 5 2001:db8:(1|2):ff:fe00:5f0
```