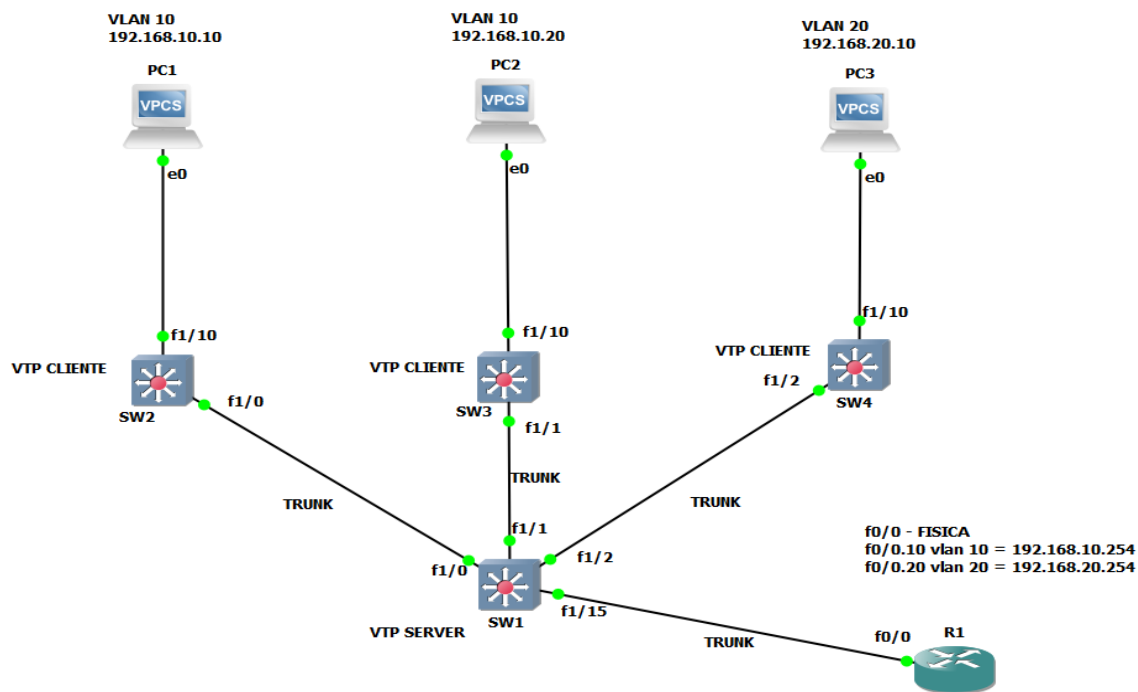


Topologia inicial



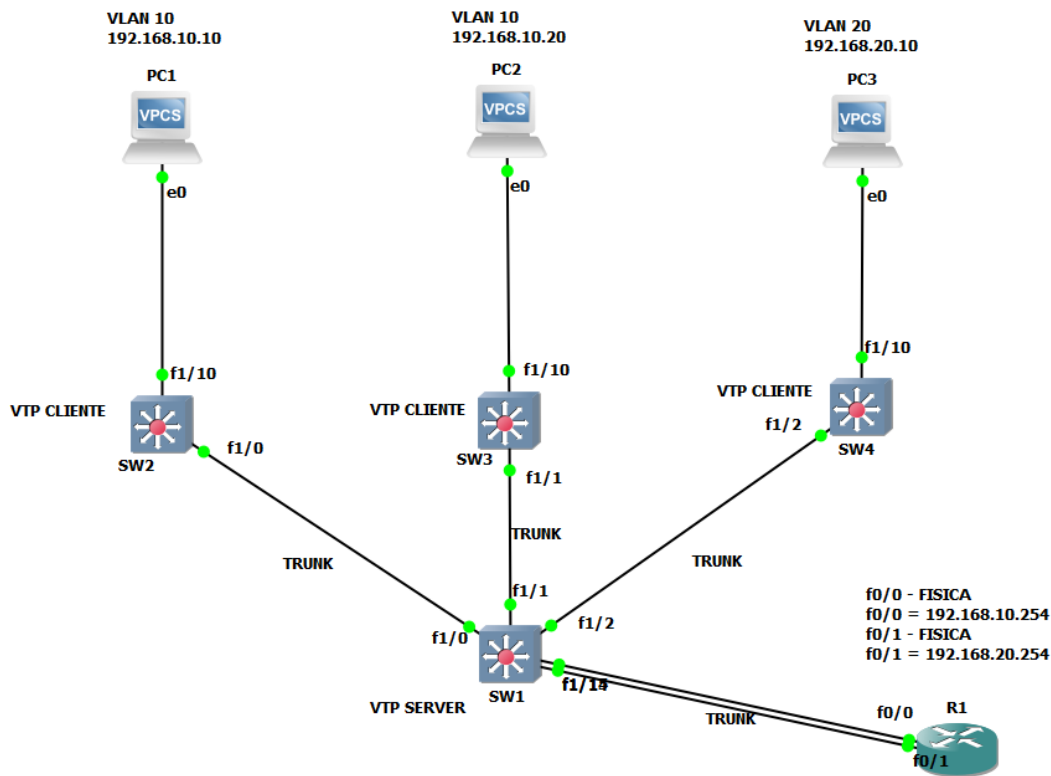
Ping con interfaces logicas

```
PC1> Checking for duplicate address...
PC1 : 192.168.10.10 255.255.255.0 gateway 192.168.10.254
PC1> ping 192.168.20.10
192.168.20.10 icmp_seq=1 timeout
192.168.20.10 icmp_seq=2 timeout
84 bytes from 192.168.20.10 icmp_seq=3 ttl=63 time=20.658 ms
84 bytes from 192.168.20.10 icmp_seq=4 ttl=63 time=18.795 ms
84 bytes from 192.168.20.10 icmp_seq=5 ttl=63 time=18.008 ms
PC1>

PC3> ping 192.168.10.10
84 bytes from 192.168.10.10 icmp_seq=1 ttl=63 time=16.167 ms
84 bytes from 192.168.10.10 icmp_seq=2 ttl=63 time=14.416 ms
84 bytes from 192.168.10.10 icmp_seq=3 ttl=63 time=16.312 ms
84 bytes from 192.168.10.10 icmp_seq=4 ttl=63 time=14.630 ms
84 bytes from 192.168.10.10 icmp_seq=5 ttl=63 time=12.723 ms
PC3>

R1#
R1#
R1#
R1#sh ip interface brief
Interface          IP-Address      OK? Method Status      Protocol
FastEthernet0/0    unassigned      YES unset    up          up
FastEthernet0/0.10 192.168.10.254  YES manual  up          up
FastEthernet0/0.20 192.168.20.254  YES manual  up          up
FastEthernet0/1    unassigned      YES unset    administratively down down
R1#
```

Topologia pedida



Ping con interfaces fisicas

```
PC1> ping 192.168.10.10
192.168.10.10 icmp_seq=1 timeout
192.168.10.10 icmp_seq=2 timeout
84 bytes from 192.168.10.10 icmp_seq=3 ttl=63 time=20.658 ms
84 bytes from 192.168.10.10 icmp_seq=4 ttl=63 time=18.795 ms
84 bytes from 192.168.10.10 icmp_seq=5 ttl=63 time=18.008 ms

PC1> ping 192.168.20.10
host (192.168.10.254) not reachable

PC1> ping 192.168.10.254
host (192.168.10.254) not reachable

PC1> ping 192.168.10.254
84 bytes from 192.168.10.254 icmp_seq=1 ttl=255 time=18.761 ms
84 bytes from 192.168.10.254 icmp_seq=2 ttl=255 time=8.635 ms
84 bytes from 192.168.10.254 icmp_seq=3 ttl=255 time=6.430 ms
84 bytes from 192.168.10.254 icmp_seq=4 ttl=255 time=8.023 ms
84 bytes from 192.168.10.254 icmp_seq=5 ttl=255 time=13.160 ms

PC1> ping 192.168.20.10
192.168.20.10 icmp_seq=1 timeout
84 bytes from 192.168.20.10 icmp_seq=2 ttl=63 time=16.190 ms
84 bytes from 192.168.20.10 icmp_seq=3 ttl=63 time=13.864 ms
84 bytes from 192.168.20.10 icmp_seq=4 ttl=63 time=14.416 ms
84 bytes from 192.168.20.10 icmp_seq=5 ttl=63 time=20.039 ms

PC1>

PC3> ping 192.168.10.10
84 bytes from 192.168.10.10 icmp_seq=1 ttl=63 time=16.167 ms
84 bytes from 192.168.10.10 icmp_seq=2 ttl=63 time=14.416 ms
84 bytes from 192.168.10.10 icmp_seq=3 ttl=63 time=16.312 ms
84 bytes from 192.168.10.10 icmp_seq=4 ttl=63 time=14.630 ms
84 bytes from 192.168.10.10 icmp_seq=5 ttl=63 time=12.723 ms

PC3> ping 192.168.10.10
84 bytes from 192.168.10.10 icmp_seq=1 ttl=63 time=19.445 ms
84 bytes from 192.168.10.10 icmp_seq=2 ttl=63 time=14.582 ms
84 bytes from 192.168.10.10 icmp_seq=3 ttl=63 time=12.753 ms
84 bytes from 192.168.10.10 icmp_seq=4 ttl=63 time=17.745 ms
84 bytes from 192.168.10.10 icmp_seq=5 ttl=63 time=21.974 ms

PC3> ping 192.168.10.20
192.168.10.20 icmp_seq=1 timeout
84 bytes from 192.168.10.20 icmp_seq=2 ttl=63 time=18.755 ms
84 bytes from 192.168.10.20 icmp_seq=3 ttl=63 time=22.023 ms
84 bytes from 192.168.10.20 icmp_seq=4 ttl=63 time=13.589 ms
84 bytes from 192.168.10.20 icmp_seq=5 ttl=63 time=21.503 ms

PC3>

Packet sent with a source address of 192.168.10.254
!!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
R1#sh ip interface brief
Interface                IP-Address      OK? Method Status      Protocol
FastEthernet0/0           192.168.10.254 YES manual up          up
FastEthernet0/0.10        unassigned      YES manual administratively down down
FastEthernet0/0.20        unassigned      YES manual administratively down down
FastEthernet0/1           192.168.20.254 YES manual up          up
R1#
```