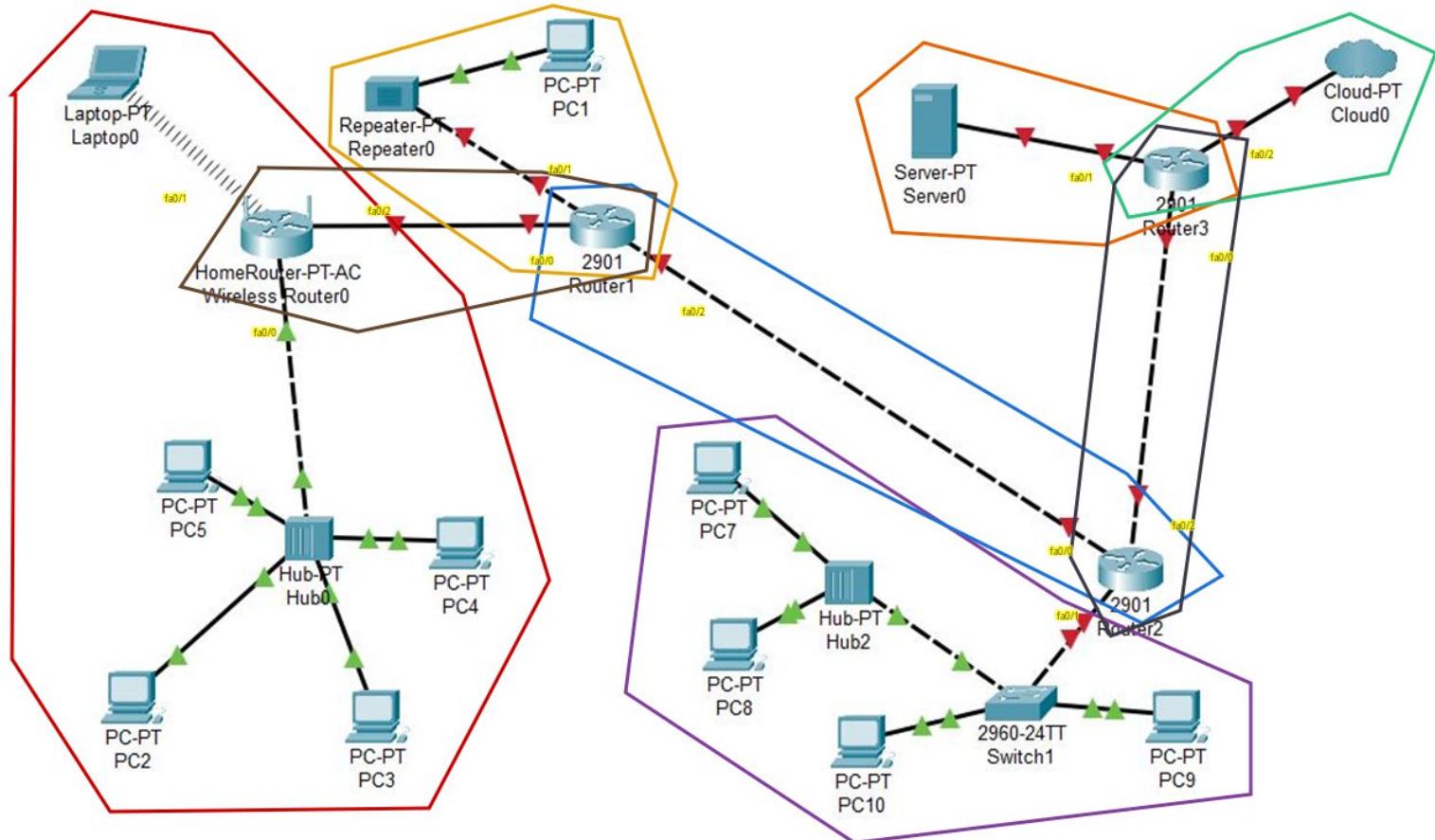


Práctica 6 - Enrutamiento pasivo



| ESQUEMA DE REDES | | |
|------------------|-----------------|-----------------|
| NOMBRE DE RED | DIRECCIÓN IP | MÁSCARA DE RED |
| RED 1 | 192.168.10.0/24 | 255.255.255.0 |
| RED 2 | 192.168.20.0/24 | 255.255.255.0 |
| RED 3 | 192.168.30.0/24 | 255.255.255.0 |
| SERVER | 192.168.40/30 | 255.255.255.252 |
| ENLACE R0-R1 | 10.0.0.0/30 | 255.255.255.252 |
| ENLACE R1-R2 | 10.0.1.0/30 | 255.255.255.252 |
| ENLACE R2-R3 | 10.0.2.0/30 | 255.255.255.252 |
| CLOUD | 10.0.3.0/30 | 255.255.255.252 |

Explicación máscaras de red: hay diferentes redes y las que poseen una máscara de red /24 se prioriza el que quepan muchos dispositivos, en cambio, la máscara de red /30 priorizará la eficacia, ya que cabrán pocas direcciones IP.

| ESQUEMA DE ROUTERS | | |
|--------------------|---------------------------|--------------|
| NOMBRE DE ROUTERS | NOMBRE INTERFAZ DE SALIDA | DIRECCIÓN IP |
| ROUTER 0 | fa0/0 | 192.168.20.1 |
| | fa0/1 | 192.168.20.2 |
| | fa0/2 | 10.0.0.1 |
| ROUTER 1 | fa0/0 | 10.0.0.2 |
| | fa0/1 | 192.168.10.1 |
| | fa0/2 | 10.0.1.1 |
| ROUTER 2 | fa0/0 | 10.0.1.2 |
| | fa0/1 | 192.168.30.1 |
| | fa0/2 | 10.0.2.1 |
| ROUTER 3 | fa0/0 | 10.0.2.2 |
| | fa0/1 | 192.168.40.1 |
| | fa0/2 | 10.0.3.1 |

ROUTER 0

| NOMBRE DE RED | DIRECCIÓN IP | INTERFAZ DE SALIDA | PRÓXIMO SALTO | MÉTRICA |
|---------------|-----------------|--------------------|---------------|---------|
| RED 1 | 192.168.10.0/24 | fa0/2 | 10.0.0.2 | 1 |
| RED 2 | 192.168.20.0/24 | fa0/0 | --- | 0 |
| RED 2 | 192.168.20.0/24 | fa0/1 | --- | 0 |
| RED 3 | 192.168.30.0/24 | fa0/2 | 10.0.0.2 | 2 |
| SERVER | 192.168.40/30 | fa0/2 | 10.0.0.2 | 3 |
| ENLACE R0-R1 | 10.0.0.0/30 | fa0/2 | --- | 0 |
| ENLACE R1-R2 | 10.0.1.0/30 | fa0/2 | 10.0.0.2 | 1 |
| ENLACE R2-R3 | 10.0.2.0/30 | fa0/2 | 10.0.0.2 | 2 |
| CLOUD | 10.0.3.0/30 | fa0/2 | 10.0.0.2 | 3 |

ROUTER 1

| NOMBRE DE RED | DIRECCIÓN IP | INTERFAZ DE SALIDA | PRÓXIMO SALTO | MÉTRICA |
|---------------|-----------------|--------------------|---------------|---------|
| RED 1 | 192.168.10.0/24 | fa0/1 | --- | 0 |
| RED 2 | 192.168.20.0/24 | fa0/0 | 10.0.0.1 | 1 |
| RED 3 | 192.168.30.0/24 | fa0/2 | 10.0.1.2 | 1 |
| SERVER | 192.168.40/30 | fa0/2 | 10.0.1.2 | 2 |
| ENLACE R0-R1 | 10.0.0.0/30 | fa0/0 | --- | 0 |
| ENLACE R1-R2 | 10.0.1.0/30 | fa0/2 | --- | 0 |
| ENLACE R2-R3 | 10.0.2.0/30 | fa0/2 | 10.0.1.2 | 1 |
| CLOUD | 10.0.3.0/30 | fa0/2 | 10.0.1.2 | 2 |

| ROUTER 2 | | | | |
|---------------|-----------------|--------------------|---------------|---------|
| NOMBRE DE RED | DIRECCIÓN IP | INTERFAZ DE SALIDA | PRÓXIMO SALTO | MÉTRICA |
| RED 1 | 192.168.10.0/24 | fa0/0 | 10.0.1.1 | 1 |
| RED 2 | 192.168.20.0/24 | fa0/0 | 10.0.1.1 | 2 |
| RED 3 | 192.168.30.0/24 | fa0/1 | --- | 0 |
| SERVER | 192.168.40/30 | fa0/2 | 10.0.2.2 | 1 |
| ENLACE R0-R1 | 10.0.0.0/30 | fa0/0 | 10.0.1.1 | 1 |
| ENLACE R1-R2 | 10.0.1.0/30 | fa0/0 | --- | 0 |
| ENLACE R2-R3 | 10.0.2.0/30 | fa0/2 | --- | 0 |
| CLOUD | 10.0.3.0/30 | fa0/2 | 10.0.2.2 | 1 |
| ROUTER 3 | | | | |
| NOMBRE DE RED | DIRECCIÓN IP | INTERFAZ DE SALIDA | PRÓXIMO SALTO | MÉTRICA |
| RED 1 | 192.168.10.0/24 | fa0/0 | 10.0.2.1 | 2 |
| RED 2 | 192.168.20.0/24 | fa0/0 | 10.0.2.1 | 3 |
| RED 3 | 192.168.30.0/24 | fa0/0 | 10.0.2.1 | 1 |
| SERVER | 192.168.40/30 | fa0/1 | --- | 0 |
| ENLACE R0-R1 | 10.0.0.0/30 | fa0/0 | 10.0.2.1 | 2 |
| ENLACE R1-R2 | 10.0.1.0/30 | fa0/0 | 10.0.2.1 | 1 |
| ENLACE R2-R3 | 10.0.2.0/30 | fa0/0 | --- | 0 |
| CLOUD | 10.0.3.0/30 | fa0/2 | --- | 0 |