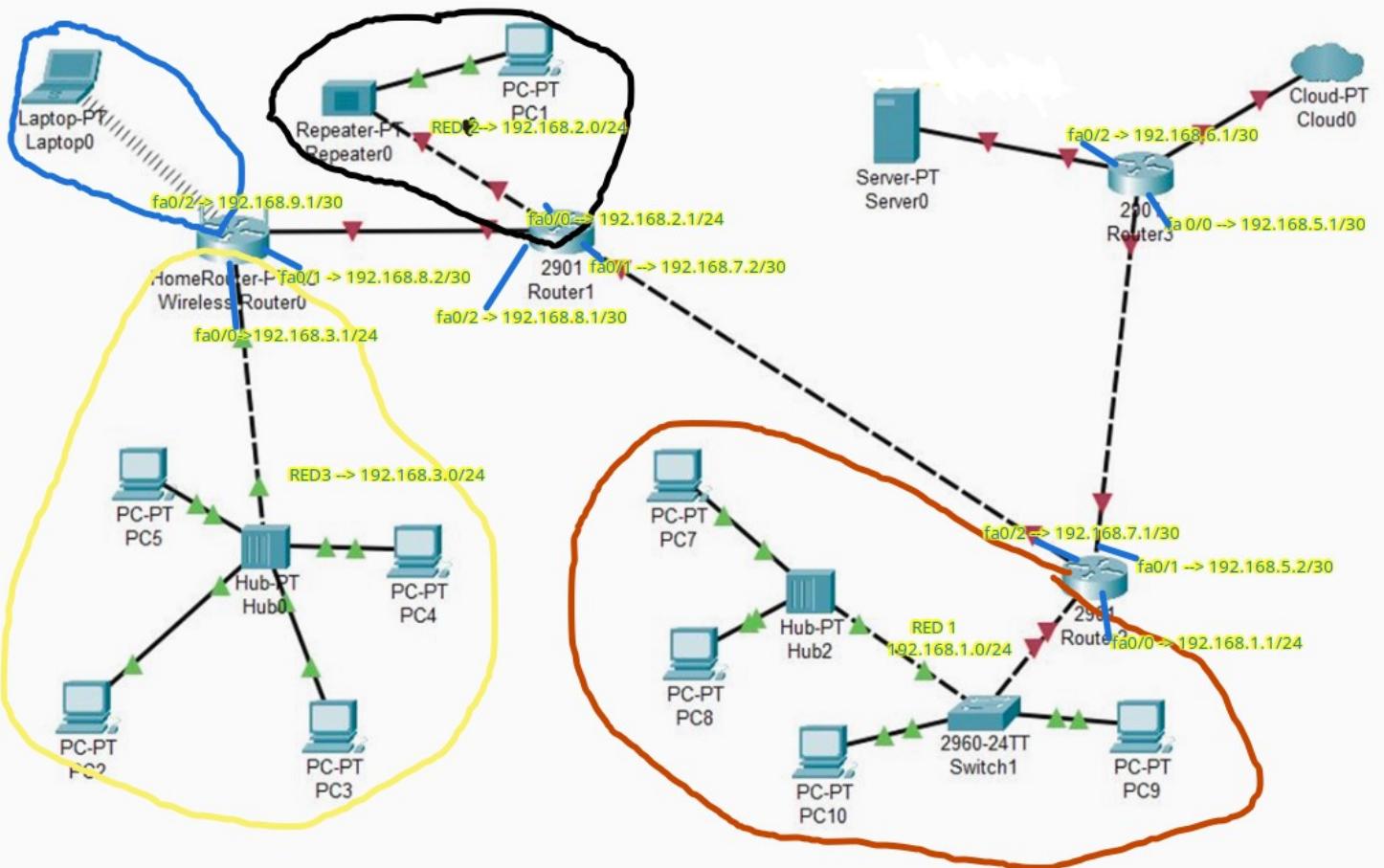


Practica 6 Enrutamiento Pasivo

Marco Gallego Moreno

El direccionamiento de esta red con salida a internet (Cloud0) está vacío, por lo que te va a tocar hacer una serie de pasos previos. Complétalos todos, rellena las tablas de enrutamiento de los cuatro routers y muéstrame el proceso.



REDES

NOMBRE DE RED	IP RED	MASCARA RED
RED1	192.168.1.0/24	255.255.255.0
RED2	192.168.2.0/24	255.255.255.0
RED3	192.168.3.0/24	255.255.255.0
ROUTER 3 ---- SERVER0	192.168.6.0/30	255.255.255.252
ROUTER3 ---- ROUTER2	192.168.5.0/30	255.255.255.252
ROUTER2 ---- ROUTER1	192.168.7.0/30	255.255.255.252
ROUTER1 ---- ROUTER0	192.168.8.0/30	255.255.255.252
ROUTER0 ---- LAPTOP0	192.168.9.0/30	255.255.255.252

CLOUD0 → 200.20.0.0/30

ROUTER3

RED	MASCARA	INTERFAZ	PROX SALTO	METR
RED1 → 192.168.1.0/24	255.255.255.0	Fa0/0(192.168.5.1)	192.168.7.1/30	1
RED2 → 192.168.2.0/24	255.255.255.0	Fa0/0(192.168.5.1)	192.168.7.1/30	1
RED3 → 192.168.3.0/24	255.255.255.0	Fa0/0(192.168.5.1)	192.168.7.1/30	1
RO0-LAP → 192.168.9.0/30	255.255.255.252	Fa0/0(192.168.5.1)	192.168.7.1/30	1
RO3-S0 → 192.168.6.0/30	255.255.255.252	Fa0/2(192.168.6.1)	-	0
RO3-RO2 → 192.168.5.0/30	255.255.255.252	Fa0/0(192.168.5.1)	-	0
RO2-RO1 → 192.168.7.0/30	255.255.255.252	Fa0/0(192.168.5.1)	192.168.7.1/30	1
RO1-RO0 → 192.168.8.0/30	255.255.255.252	Fa0/0(192.168.5.1)	192.168.7.1/30	1
CLOUD → 200.20.0.0/30	255.255.255.252	fa0/1	-	0

ROUTER2

RED	MASCARA	INTERFAZ	PROX SALTO	METR
RED1 → 192.168.1.0/24	255.255.255.0	Fa0/0(192.168.5.1)	-	0
RED2 → 192.168.2.0/24	255.255.255.0	Fa0/2(192.168.7.1)	192.168.7.2/30	1
RED3 → 192.168.3.0/24	255.255.255.0	Fa0/2(192.168.7.1)	192.168.7.2/30	1
RO0-LAP → 192.168.9.0/30	255.255.255.252	Fa0/2(192.168.7.1)	192.168.7.7/30	1
RO3-S0 → 192.168.6.0/30	255.255.255.252	Fa0/1(192.168.5.2)	192.168.5.1/30	1
RO3-RO2 → 192.168.5.0/30	255.255.255.252	Fa0/1(192.168.5.2)	-	0
RO2-RO1 → 192.168.7.0/30	255.255.255.252	Fa0/2(192.168.7.1)	-	0
RO1-RO0 → 192.168.8.0/30	255.255.255.252	Fa0/2(192.168.7.1)	192.168.7.2/30	1
CLOUD → 200.20.0.0/30	255.255.255.252	Fa0/1(192.168.5.2)	192.168.5.1/30	1

ROUTER1

RED	MASCARA	INTERFAZ	PROX SALTO	METR
RED1 → 192.168.1.0/24	255.255.255.0	Fa0/1	192.168.7.1/30	1
RED2 → 192.168.2.0/24	255.255.255.0	Fa0/0	-	0
RED3 → 192.168.3.0/24	255.255.255.0	Fa0/2	192.168.8.2/30	1
RO0-LAP → 192.168.9.0/30	255.255.255.252	Fa0/2	192.168.8.2/30	1
RO3-S0 → 192.168.6.0/30	255.255.255.252	Fa0/1	192.168.7.2/30	1
RO3-RO2 → 192.168.5.0/30	255.255.255.252	Fa0/1	192.168.7.2/30	1
RO2-RO1 → 192.168.7.0/30	255.255.255.252	Fa0/1	-	0
RO1-RO0 → 192.168.8.0/30	255.255.255.252	Fa0/2	-	0
CLOUD → 200.20.0.0/30	255.255.255.252	Fa0/1	192.168.7.2/30	1

ROUTER0

RED	MASCARA	INTERFAZ	PROX SALTO	METR
RED1 → 192.168.1.0/24	255.255.255.0	Fa0/1	192.168.8.1/30	1
RED2 → 192.168.2.0/24	255.255.255.0	Fa0/1	192.168.8.1/30	1
RED3 → 192.168.3.0/24	255.255.255.0	Fa0/0	-	0
RO0-LAP → 192.168.9.0/30	255.255.255.252	Fa0/2	-	0
RO3-S0 → 192.168.6.0/30	255.255.255.252	Fa0/1	192.168.8.1/30	1
RO3-RO2 → 192.168.5.0/30	255.255.255.252	Fa0/1	192.168.8.1/30	1
RO2-RO1 → 192.168.7.0/30	255.255.255.252	Fa0/1	192.168.8.1/30	1
RO1-RO0 → 192.168.8.0/30	255.255.255.252	Fa0/1	192.168.8.1/30	1
CLOUD → 200.20.0.0/30	255.255.255.252	Fa0/1	192.168.8.1/30	1