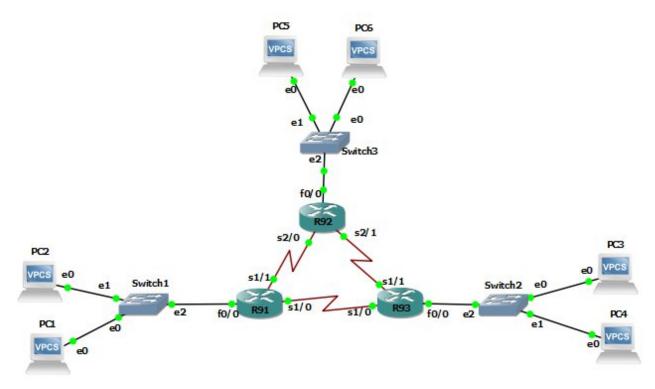
Universidad de San Carlos de Guatemala Facultad de Ingeniería Escuela de Ciencias y Sistemas Redes de Computadoras 1 Ing. Pedro Pablo Hernández Aux. Jhonnatan Enmanuel Orantes García

> Erick Javier Bernal Orellana 201480017

Manual técnico

Practica 2

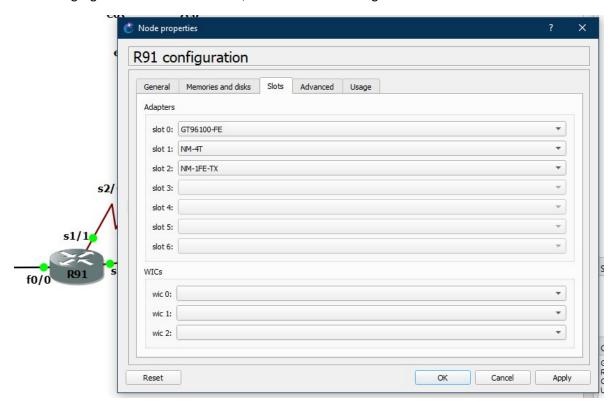
Diagrama de la configuración de red.



Generar o activar las conexiones seriales de cada switch

Click derecho sobre el swtich Seleccionar "configuración"

Agregar en la ventana de slots, lo indicado en la imagen.



Configuración de VPCs

descripción de asignación de ip

- o Ip <dirección_de_ip> <mascara de sub-red> <gateway>
- o Guardar la ip en cada VPCs
 - save

VPCs	Configuración (asignación de ip)
1	ip 192.168.91.10 255.255.255.0 192.168.91.1
2	ip 192.168.91.20 255.255.255.0 192.168.91.1
3	ip 192.168.93.10 255.255.255.0 192.168.93.1
4	ip 192.168.93.20 255.255.255.0 192.168.93.1
5	ip 192.168.92.10 255.255.255.0 192.168.92.1
6	ip 192.168.92.20 255.255.255.0 192.168.92.1

Configuración de switch hacia VPCs

Switch	Configuración.
R91	Conf t
	Int f0/0
	lp address 192.168.91.1 255.255.255.0
	No shutdown
	Exit
R92	Conf t
	Int f0/0
	lp address 192.168.92.1 255.255.255.0
	No shutdown
	exit
R93	Conf t
	Int f0/0
	lp address 192.168.93.1 255.255.255.0
	No shutdown
	exit

Configuración entre routers

R91 o R92 Conf t Int s1/1 Ip address 172.91.0.2 255.255.0.0 no shutdown exit o R93 Conf t ■ Int s1/0 Ip address 172.93.0.1 255.255.0.0 no shutdown exit **R92** o R91 Conf t Int s2/0 Ip address 172.91.0.1 255.255.0.0 no shutdown exit o R93 ■ Conf t Int s2/1 Ip address 172.92.0.1 255.255.0.0 no shutdown exit **R93** o R91 Conf t Int s1/0 Ip address 172.93.0.2 255.255.0.0 no shutdown exit o R92 Conf t ■ Int s1/1 Ip address 172.92.0.2 255.255.0.0

no shutdown

exit

Configuración de Enrutamiento statico. R91 O R92 Conf t Ip route 192.168.92.0 255.255.255.0 172.91.0.1 exit O R93 Conf t Ip route 192.168.93.0 255.255.255.0 172.93.0.2 Exit R92 O R91 Conf t

- o R93
 - Conf t

exit

■ Ip route 192.168.93.0 255.255.255.0 172.92.0.2

■ Ip route 192.168.**91**.0 255.255.255.0 172.91.0.1

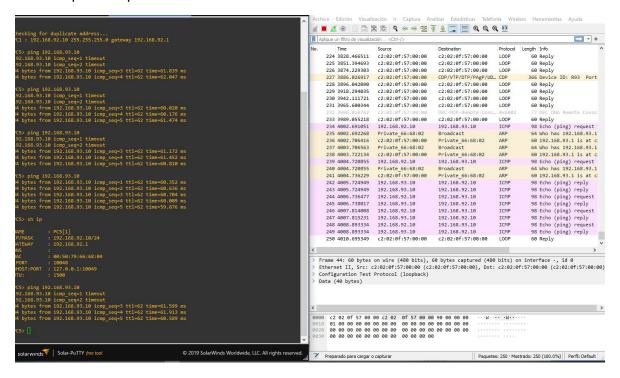
Exit

R93

- o R91
 - Conf t
 - Ip route 192.168.91.0 255.255.255.0 172.93.0.1
 - exit
- o R92
 - Conf t
 - Ip route 192.168.**92**.0 <u>255.255.255.0</u> 172.92.0.1
 - Exit

Captura de paquetes con wireshark

Vpcs 5 -> vpcs 3



Vpcs3 -> vpcs5

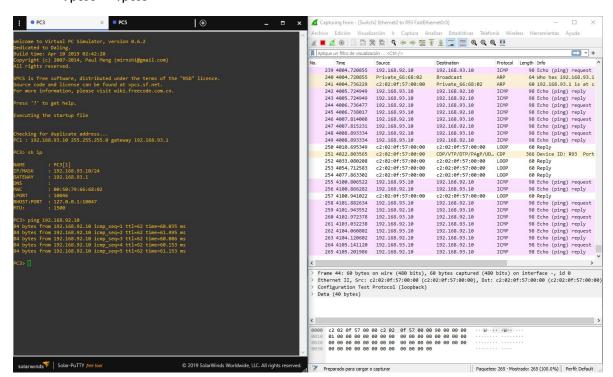


Tabla de ruteo

