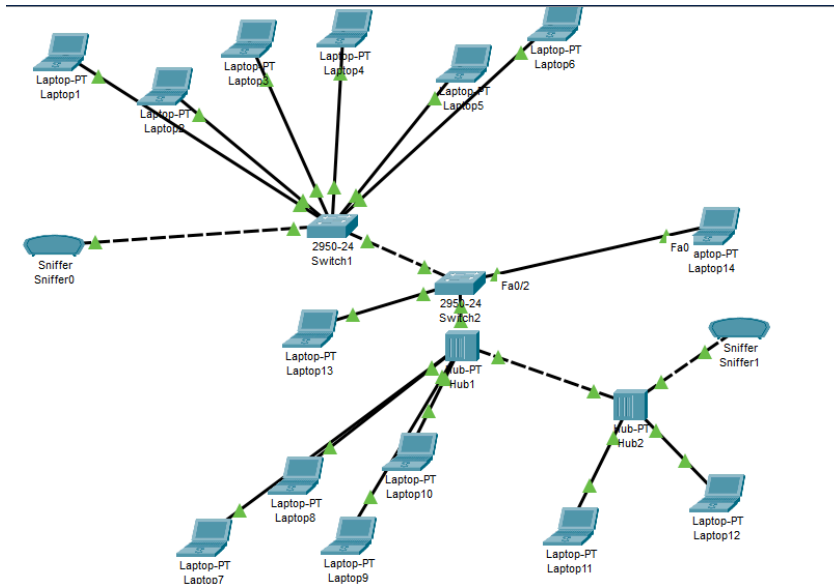


Trabajo Práctico 2

Giovanni Azurduy

Actividad 1

armamos las conexiones entre computadoras y luego ejecutamos mediante ping la conectividad entre ellas



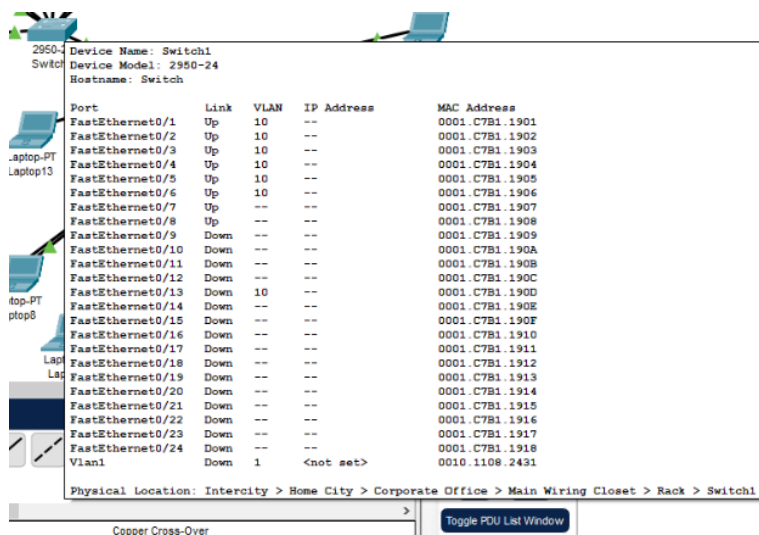
Luego se procedio a utilizar un sniffer para capturar el trafico , en la imagen de la derecha se puede observar un paquete ICMP, donde el origen es 200.0.0.8 y su destino es 200.0.0.7 , que corresponden a la laptop 8 y 7

The screenshot displays a network simulation environment. On the left, a terminal window titled 'Laptop7' shows a series of ping replies from 200.0.0.8 to 200.0.0.7. On the right, a packet capture window titled 'Sniffer1' is open, showing a list of captured packets. The selected packet is an ICMP packet with source IP 200.0.0.8 and destination IP 200.0.0.7. The packet details pane shows the Ethernet II header, Internet Protocol (IP) header, and ICMP header. The IP header shows source IP 200.0.0.8 and destination IP 200.0.0.7. The ICMP header shows type 8 (Echo) and code 0.

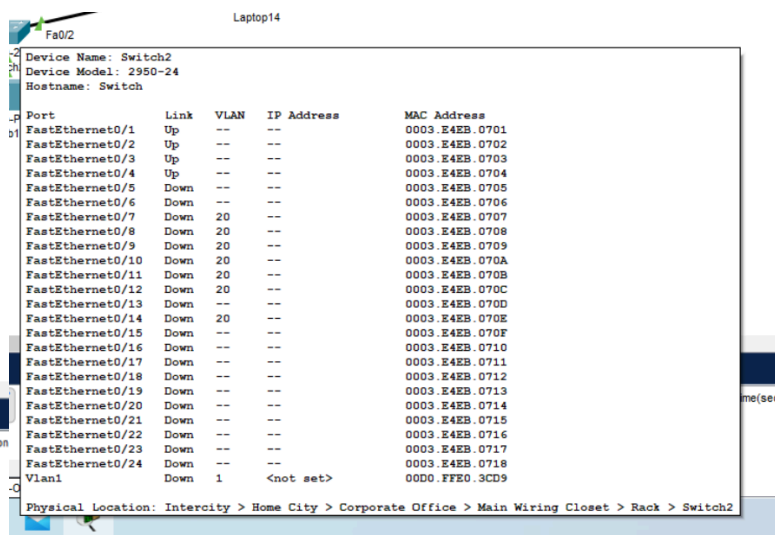
Se puede observar un paquete STP, y se observa a simple vista que no posee encabezado ip, esto es correcto ya que opera a nivel capa de datos

Actividad 2

Se puede ver en funcionamiento las 2 redes VLAN



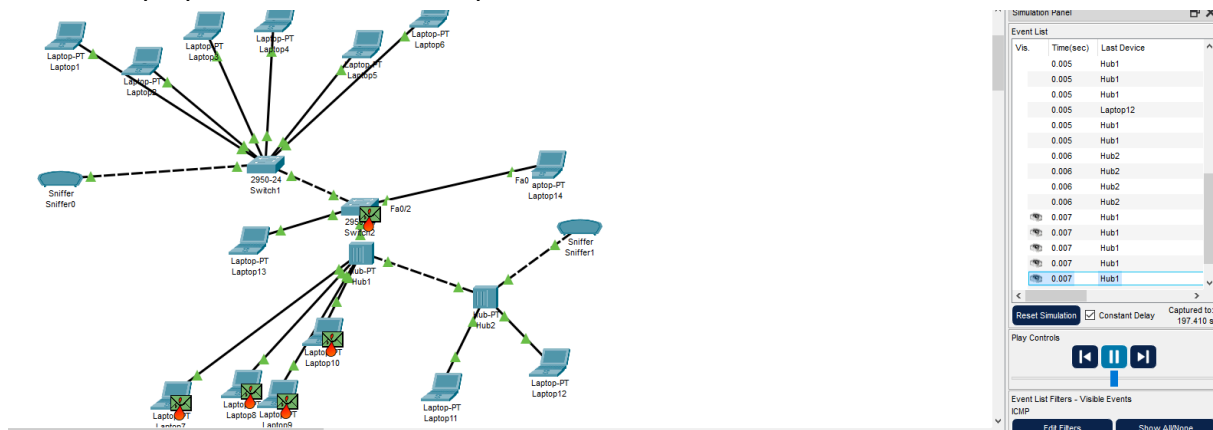
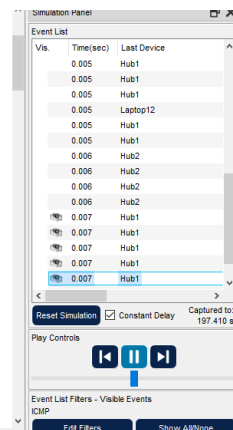
Port	Link	VLAN	IP Address	MAC Address
FastEthernet0/1	Up	10	--	0001.C7B1.1901
FastEthernet0/2	Up	10	--	0001.C7B1.1902
FastEthernet0/3	Up	10	--	0001.C7B1.1903
FastEthernet0/4	Up	10	--	0001.C7B1.1904
FastEthernet0/5	Up	10	--	0001.C7B1.1905
FastEthernet0/6	Up	10	--	0001.C7B1.1906
FastEthernet0/7	Up	--	--	0001.C7B1.1907
FastEthernet0/8	Up	--	--	0001.C7B1.1908
FastEthernet0/9	Down	--	--	0001.C7B1.1909
FastEthernet0/10	Down	--	--	0001.C7B1.190A
FastEthernet0/11	Down	--	--	0001.C7B1.190B
FastEthernet0/12	Down	--	--	0001.C7B1.190C
FastEthernet0/13	Down	10	--	0001.C7B1.190D
FastEthernet0/14	Down	--	--	0001.C7B1.190E
FastEthernet0/15	Down	--	--	0001.C7B1.190F
FastEthernet0/16	Down	--	--	0001.C7B1.1910
FastEthernet0/17	Down	--	--	0001.C7B1.1911
FastEthernet0/18	Down	--	--	0001.C7B1.1912
FastEthernet0/19	Down	--	--	0001.C7B1.1913
FastEthernet0/20	Down	--	--	0001.C7B1.1914
FastEthernet0/21	Down	--	--	0001.C7B1.1915
FastEthernet0/22	Down	--	--	0001.C7B1.1916
FastEthernet0/23	Down	--	--	0001.C7B1.1917
FastEthernet0/24	Down	--	--	0001.C7B1.1918
Vlan1	Down	1	<not set>	0010.1108.2431



Port	Link	VLAN	IP Address	MAC Address
FastEthernet0/1	Up	--	--	0003.E4EB.0701
FastEthernet0/2	Up	--	--	0003.E4EB.0702
FastEthernet0/3	Up	--	--	0003.E4EB.0703
FastEthernet0/4	Up	--	--	0003.E4EB.0704
FastEthernet0/5	Down	--	--	0003.E4EB.0705
FastEthernet0/6	Down	--	--	0003.E4EB.0706
FastEthernet0/7	Down	20	--	0003.E4EB.0707
FastEthernet0/8	Down	20	--	0003.E4EB.0708
FastEthernet0/9	Down	20	--	0003.E4EB.0709
FastEthernet0/10	Down	20	--	0003.E4EB.070A
FastEthernet0/11	Down	20	--	0003.E4EB.070B
FastEthernet0/12	Down	20	--	0003.E4EB.070C
FastEthernet0/13	Down	--	--	0003.E4EB.070D
FastEthernet0/14	Down	20	--	0003.E4EB.070E
FastEthernet0/15	Down	--	--	0003.E4EB.070F
FastEthernet0/16	Down	--	--	0003.E4EB.0710
FastEthernet0/17	Down	--	--	0003.E4EB.0711
FastEthernet0/18	Down	--	--	0003.E4EB.0712
FastEthernet0/19	Down	--	--	0003.E4EB.0713
FastEthernet0/20	Down	--	--	0003.E4EB.0714
FastEthernet0/21	Down	--	--	0003.E4EB.0715
FastEthernet0/22	Down	--	--	0003.E4EB.0716
FastEthernet0/23	Down	--	--	0003.E4EB.0717
FastEthernet0/24	Down	--	--	0003.E4EB.0718
Vlan1	Down	1	<not set>	00D0.FFE0.3CD9

Actividad 3

Desde la laptop 14 se envió un ICMP broadcast y se espera a que todas las máquinas pertenecientes a la misma VLAN respondan, se puede observar en la imagen como colisionan paquetes a la hora de responder.

Vis.	Time(sec)	Last Device
	0.005	Hub1
	0.005	Hub1
	0.005	Hub1
	0.005	Laptop12
	0.005	Hub1
	0.005	Hub1
	0.006	Hub2
	0.006	Hub2
	0.006	Hub2
	0.007	Hub1
	0.007	Hub1
	0.007	Hub1
	0.007	Hub1