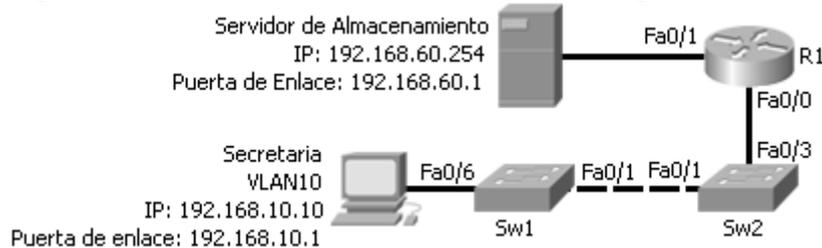


Conmutación y Enrutamiento II Tercera Evaluación

Nombre: _____
Paralelo: _____

Calificación:

1. En base al diagrama mostrado y las salidas del comando “show running-config” y “show vlan brief” determine porque la secretaria no puede guardar una copia de seguridad del balance de la empresa en el servidor de almacenamiento (20 puntos)



<pre>SW1#show running-config ~~~~~ interface FastEthernet0/1 switchport trunk native vlan 50 switchport trunk allowed vlan 20,30,50 switchport mode trunk ! ~~~~~ ! interface FastEthernet0/6 switchport access vlan 10 switchport mode access ! ~~~~~ ! interface Vlan50 ip address 192.168.50.11 255.255.255.0 ! ip default-gateway 192.168.50.1 ~~~~~ ! end</pre>	<pre>SW2#show running-config ~~~~~ interface FastEthernet0/1 switchport trunk native vlan 50 switchport trunk allowed vlan 10,20,30,50 switchport mode trunk ! interface FastEthernet0/2 ! interface FastEthernet0/3 switchport trunk native vlan 50 switchport trunk allowed vlan 10,20,30,50 switchport mode trunk ! ~~~~~ ! interface Vlan50 ip address 192.168.50.12 255.255.255.0 ! ip default-gateway 192.168.50.1 ~~~~~ ! end</pre>															
<pre>R1#show running-config ~~~~~ interface FastEthernet0/0 no ip address ! interface FastEthernet0/0.10 encapsulation dot1Q 10 ip address 192.168.10.254 255.255.255.0 ! interface FastEthernet0/0.20 encapsulation dot1Q 20 ip address 192.168.20.1 255.255.255.0</pre>	<pre>interface FastEthernet0/0.30 encapsulation dot1Q 30 ip address 192.168.30.1 255.255.255.0 ! interface FastEthernet0/0.50 encapsulation dot1Q 50 native ip address 192.168.50.1 255.255.255.0 ! interface FastEthernet0/1 ip address 192.168.60.1 255.255.255.0 ~~~~~ end</pre>															
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2. Describa detalladamente como los conmutadores aprenden las direcciones MAC de manera dinámica, por favor incluir ejemplos y gráfico (20 puntos)

3. Defina brevemente los siguientes términos (30 puntos)

a) Capa de Distribución

b) Conmutador de capa 3

c) **VLAN Nativa**

d) **WEP**

e) **Puente Raiz**

f) **Puerto Alterno**

g) **BID**

h) **Dirección MAC**

i) **Método de reacción a intento de violación “Protective”**

j) **CSMA/CD**

4. Complete la siguiente tabla (10 puntos)

	VTP Servidor	VTP Cliente	VTP Transparente
Anuncios VTP que genera			
Puede crear VLANs			
Donde guarda las VLANs			

5. Describa detalladamente el proceso de asociación de un cliente a una red inalámbrica, por favor incluir un gráfico (20 puntos)

