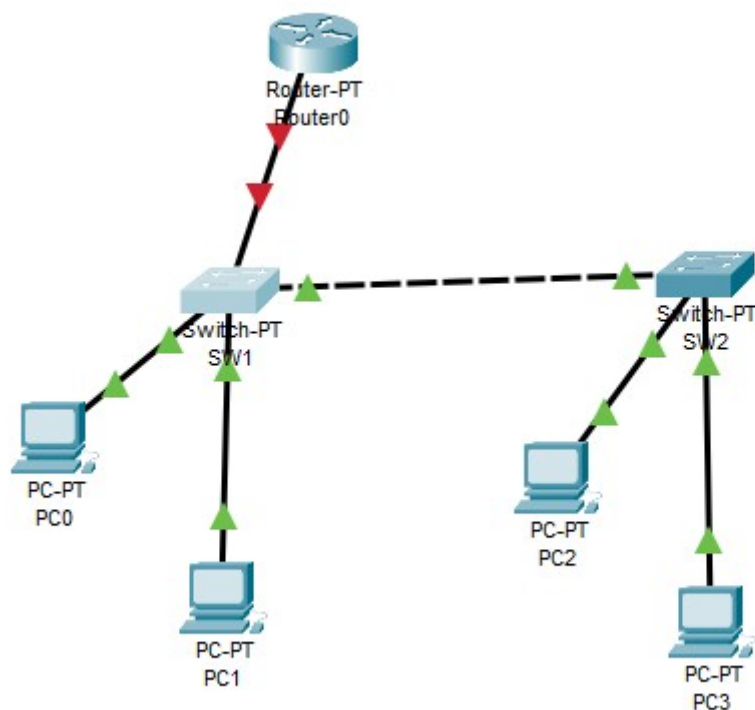


Actividad 23 - Propagación de VLANs

Wuke Zhang

1-ASIR

1- Los switches deben tener los nombres SW1 y SW2.



2- Las VLANs deben tener los siguientes nombres: ADMINISTRACIÓN para la VLAN100 y SEGURIDAD para la VLAN101.

SW1

PhysicalConfigCLIAttributes

IOS Command Line Interface

```
Switch(config-vlan)#EXIT
Switch(config)#ADMINISTRACION
^
% Invalid input detected at '^' marker.

Switch(config)#enable ADMINISTRACION
^
% Invalid input detected at '^' marker.

Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan

VLAN Name                Status    Ports
-----
1    default                active    Fa0/1, Fa1/1, Fa2/1, Fa3/1
                                   Fa4/1, Fa5/1
100  ADMINISTRACION          active
101  SEGURIDAD               active
1002 fddi-default            active
1003 token-ring-default     active
1004 fddinet-default        active
1005 trnet-default          active

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
-----
1    enet   100001    1500  -      -      -      -   -         0      0
100  enet   100100    1500  -      -      -      -   -         0      0
101  enet   100101    1500  -      -      -      -   -         0      0
1002 fddi   101002    1500  -      -      -      -   -         0      0
```

3- Los switches deben tener contraseña de acceso a la configuración y acceso mediante TelNet.

```

Switch>enable
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int f1/1
Switch(config-if)#switchport access vlan 100
% Access VLAN does not exist. Creating vlan 100
Switch(config-if)#exit
Switch(config)#vlan 100
Switch(config-vlan)#exit
Switch(config)#switchport access vlan 100
Switch(config)#^
% Invalid input detected at '^' marker.

Switch(config)#int f1/1
Switch(config-if)#switchport access vlan 100
Switch(config-if)#exit
Switch(config)#show vlan
Switch(config)#^
% Invalid input detected at '^' marker.

Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan

```

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa2/1, Fa3/1, Fa4/1 Fa5/1
100 VLAN0100	active	Fa1/1
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	

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SW2

Physical Config CLI Attributes

IOS Command Line Interface

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
100	enet	100100	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	0	0
1003	tr	101003	1500	-	-	-	-	-	0	0
1004	fdnet	101004	1500	-	-	-	ieee	-	0	0
1005	trnet	101005	1500	-	-	-	ibm	-	0	0

```

Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int vlan 100
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan100, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan100, changed state to up

Switch(config-if)#ip address 192.168.1.1 255.255.255.0
Switch(config-if)#no sh
Switch(config-if)#exit
Switch(config)#line vty 0 15
Switch(config-line)#password cisco
Switch(config-line)#login
Switch(config-line)#exit
Switch(config)#do write
Building configuration...
[OK]
Switch(config)#
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#

```

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IOS Command Line Interface

% Invalid input detected at '^' marker.

Switch(config)#show vlan

% Invalid input detected at '^' marker.

Switch(config)#exit

Switch#

%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan

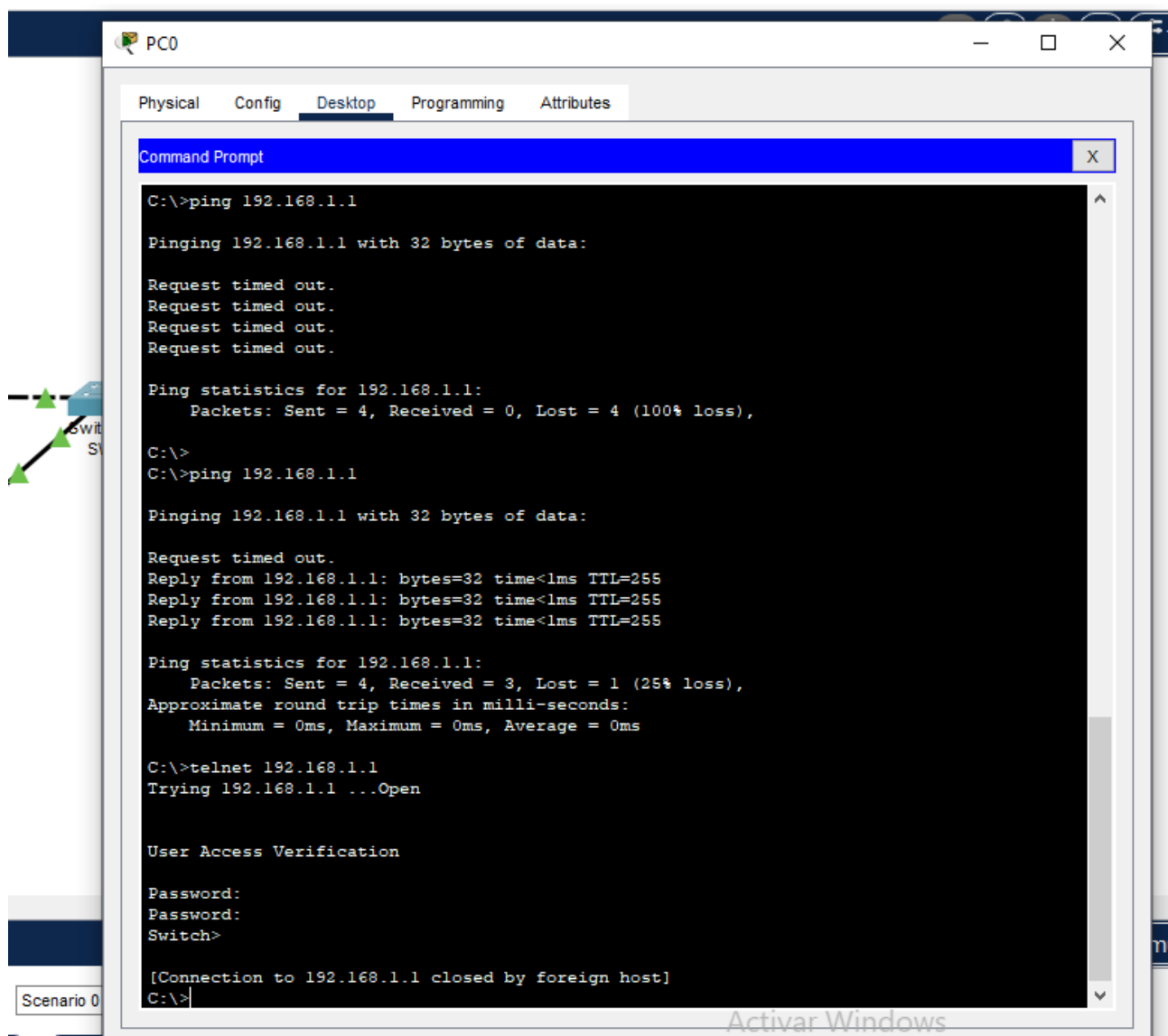
VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa1/1, Fa3/1, Fa4/1 Fa5/1
100 ADMINISTRACION	active	Fa2/1
101 SEGURIDAD	active	
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
100	enet	100100	1500	-	-	-	-	-	0	0
101	enet	100101	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	0	0
1003	tr	101003	1500	-	-	-	-	-	0	0
1004	fdnet	101004	1500	-	-	-	ieee	-	0	0
1005	trnet	101005	1500	-	-	-	ibm	-	0	0

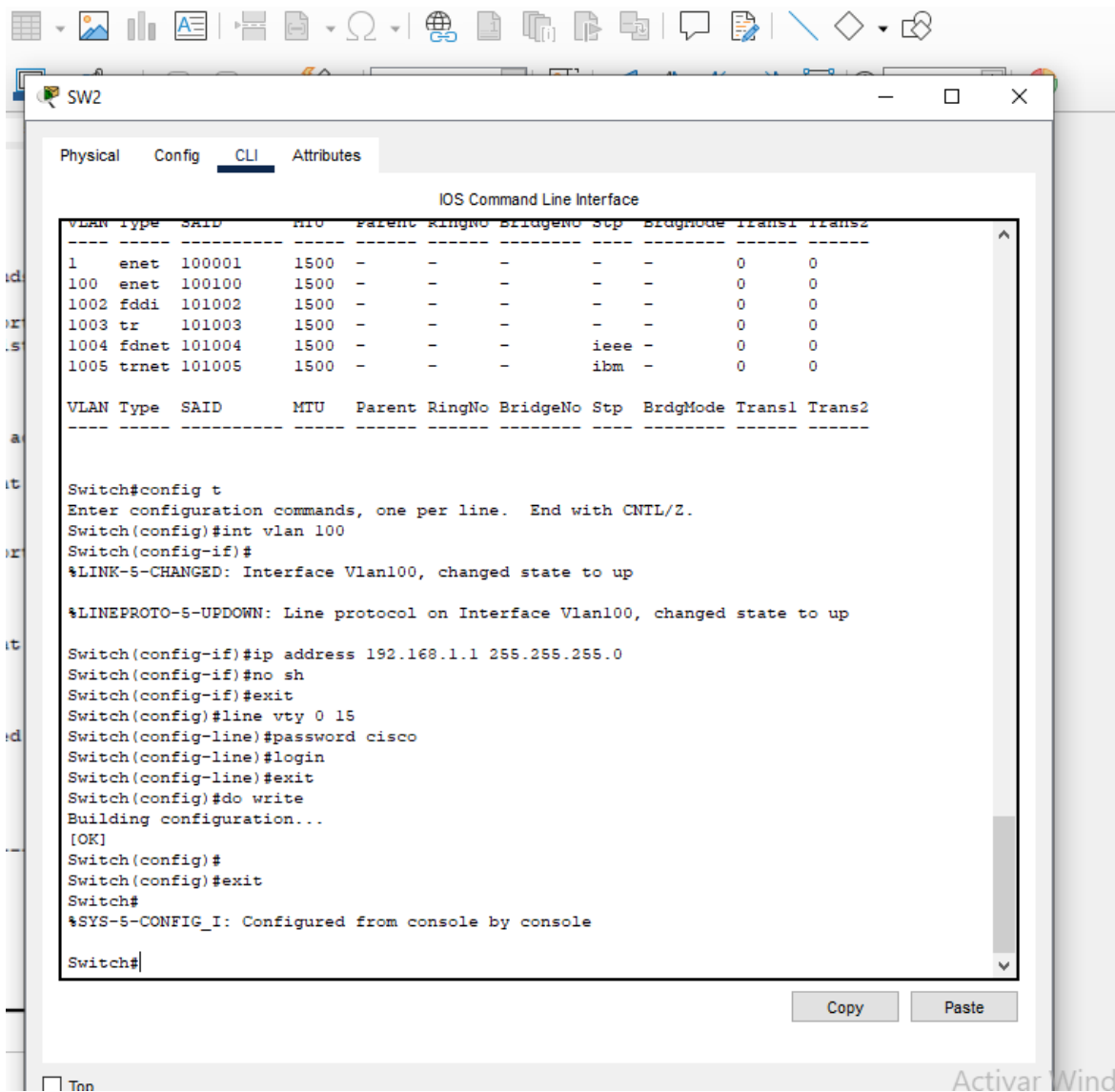
--More--

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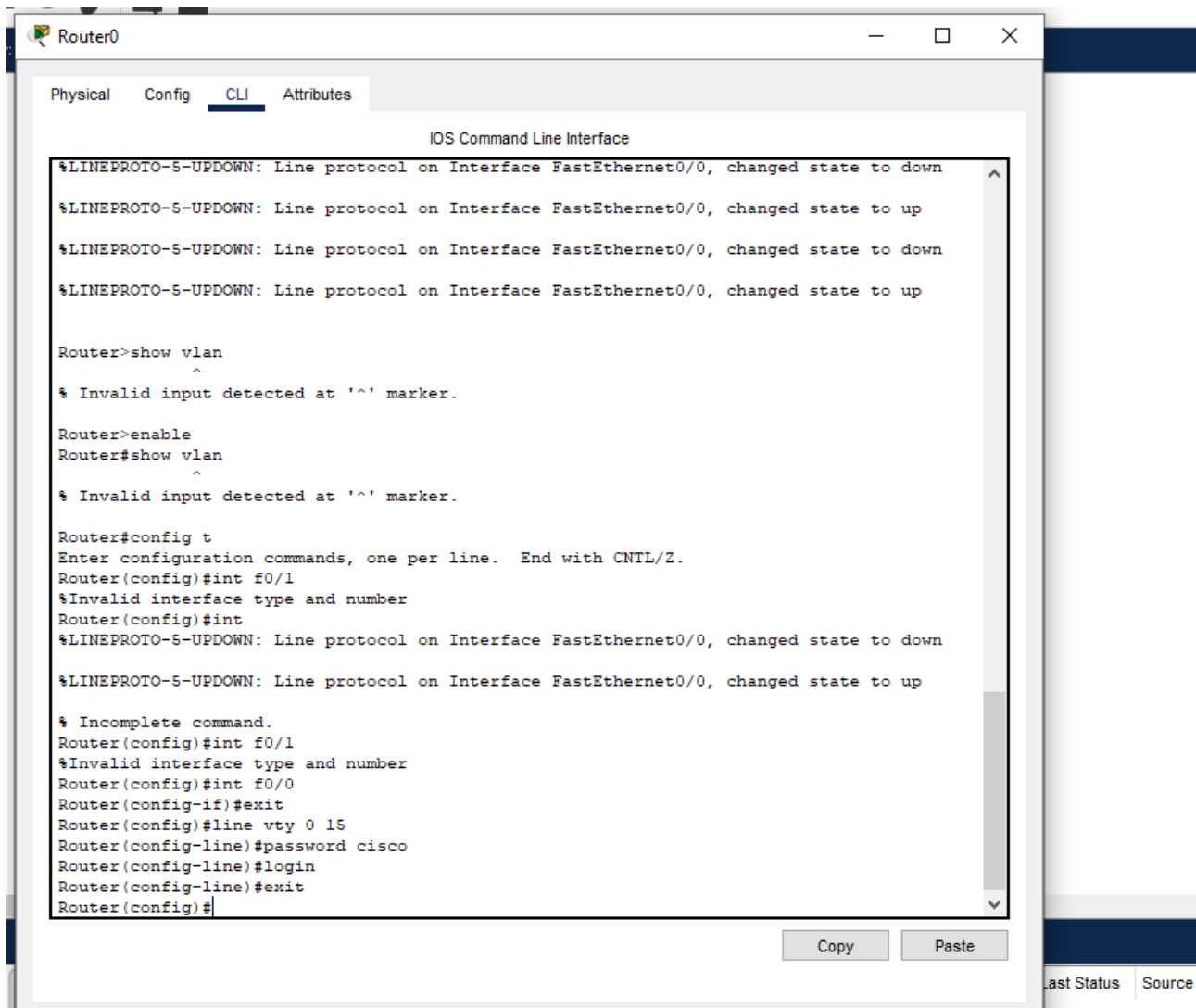
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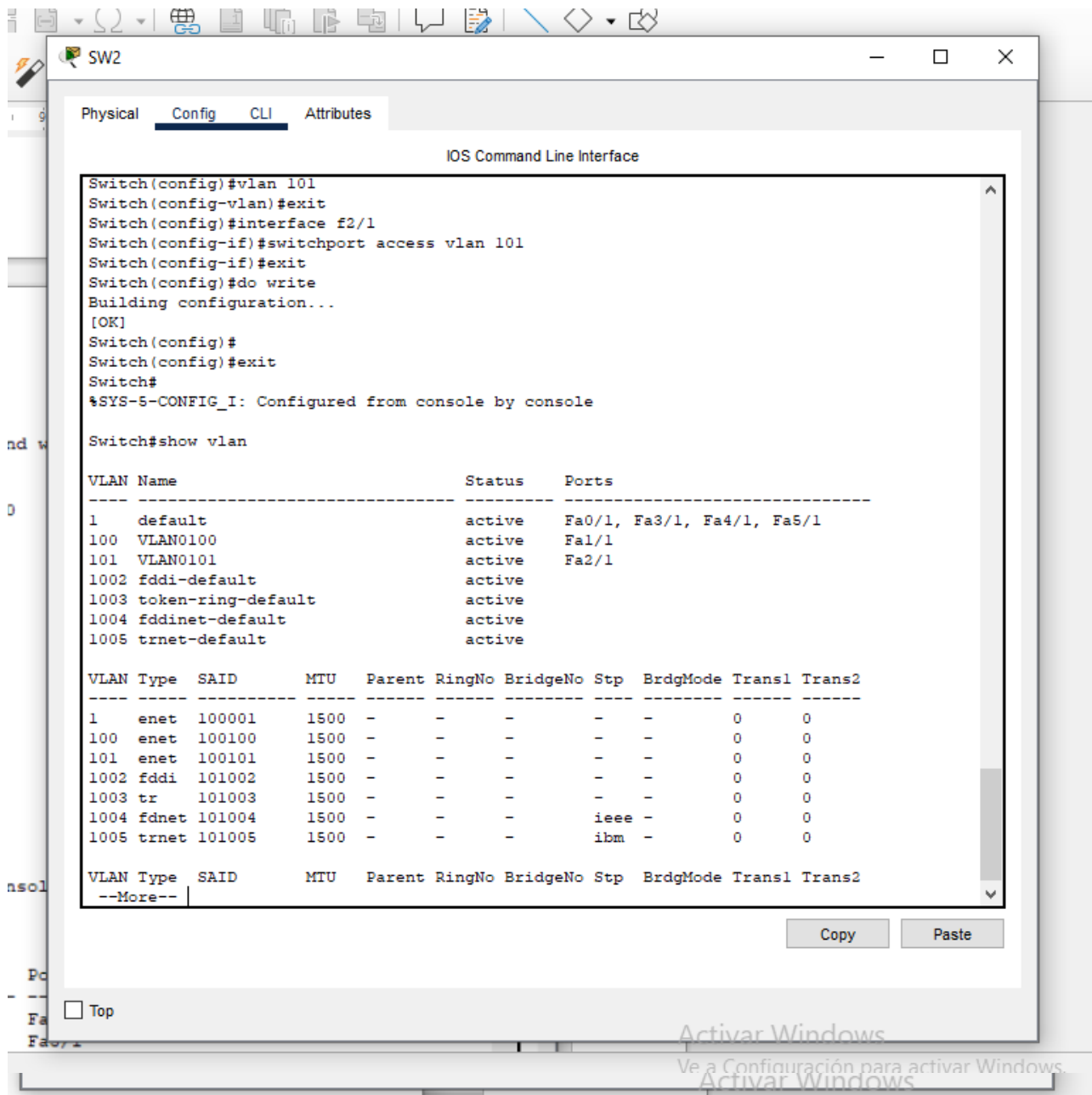
4- Cada switch tendrá la primera IP de la correspondiente VLAN.
El del switch 1 ya lo hice que hice telnet con la 192.168.1.1 que es el switch pero se me olvidó sacarle foto y pues reinicie la terminal.



5- Dividir la interfaz del router para que haya conexión a este por parte de la red.



6- Elegir las interfaces que quieran utilizar para cada VLAN y comprobar su funcionamiento.



Al sw2 no le cambie los nombres de las vlans.