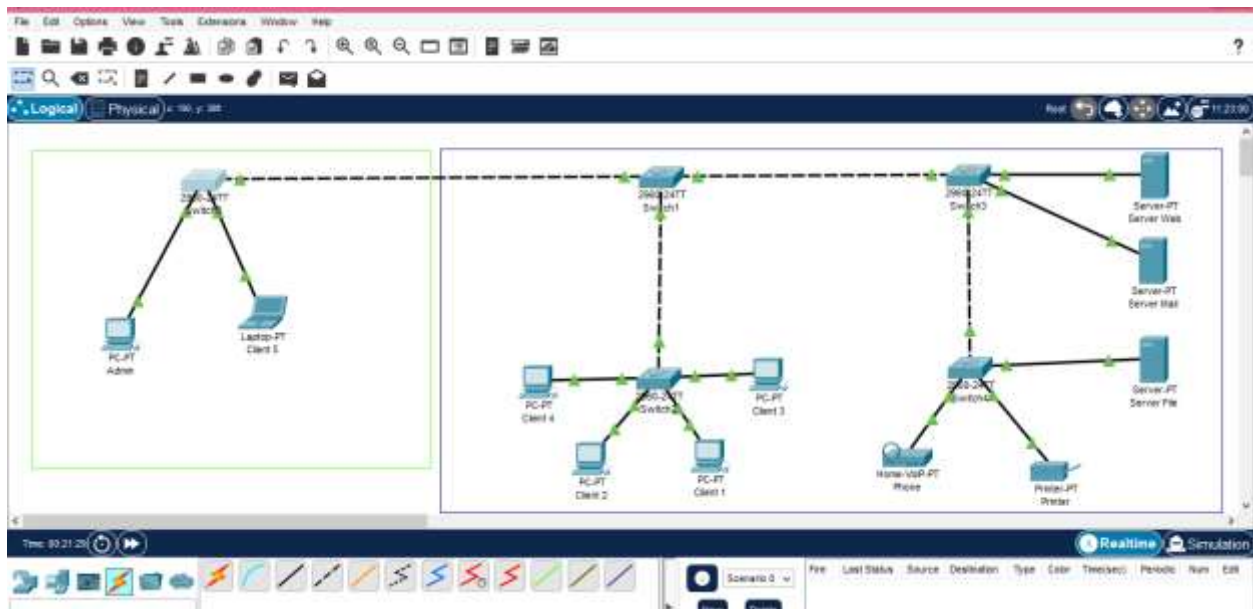
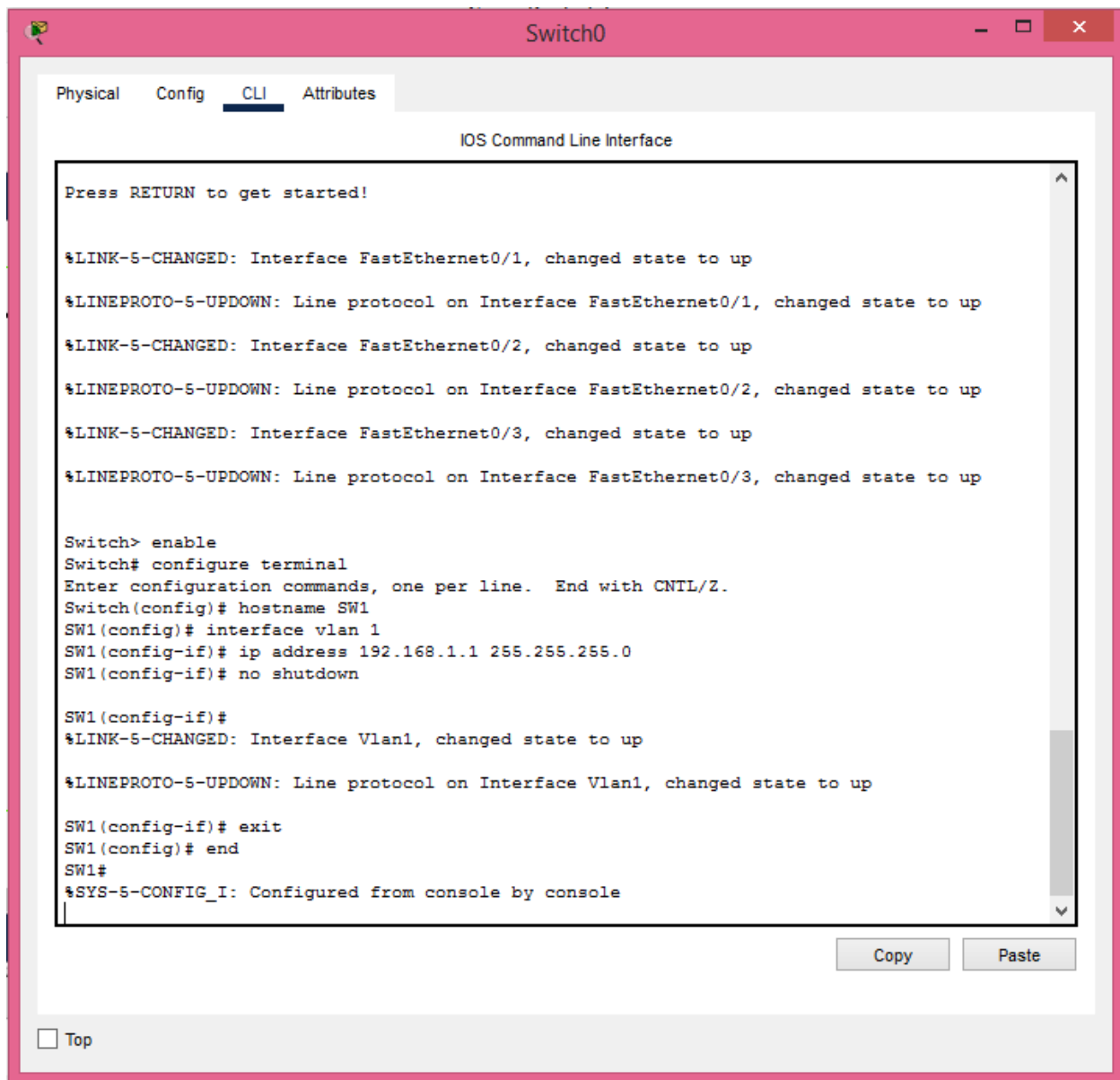


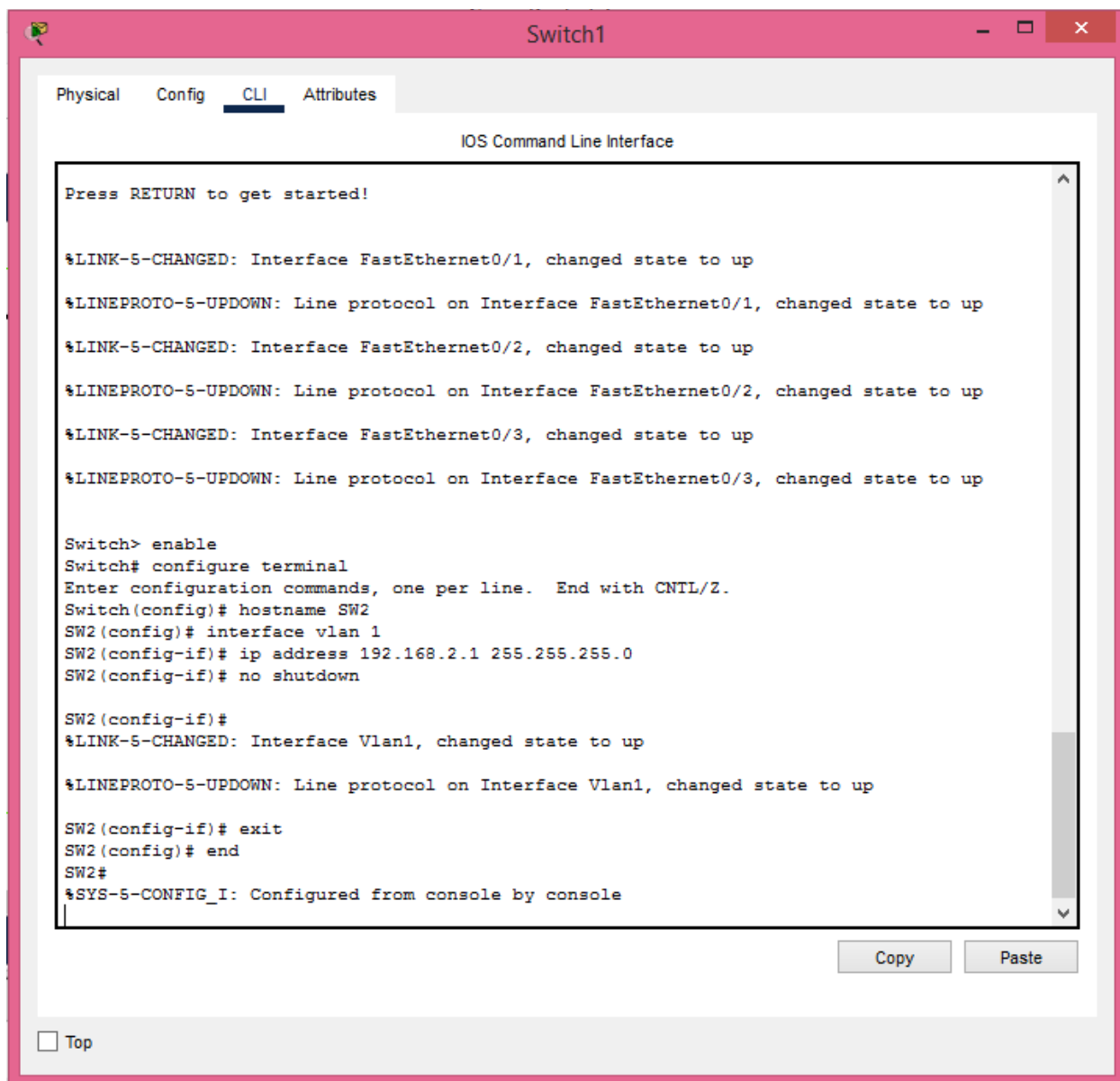
1. Reproduisez cette topologie en configurant les switches, puis en attribuant les adresses IP aux dispositifs. Utilisez soit IPv4, soit IPv6, et testez la connectivité des deux VLAN à l'aide de la commande ping et du mode de simulation.

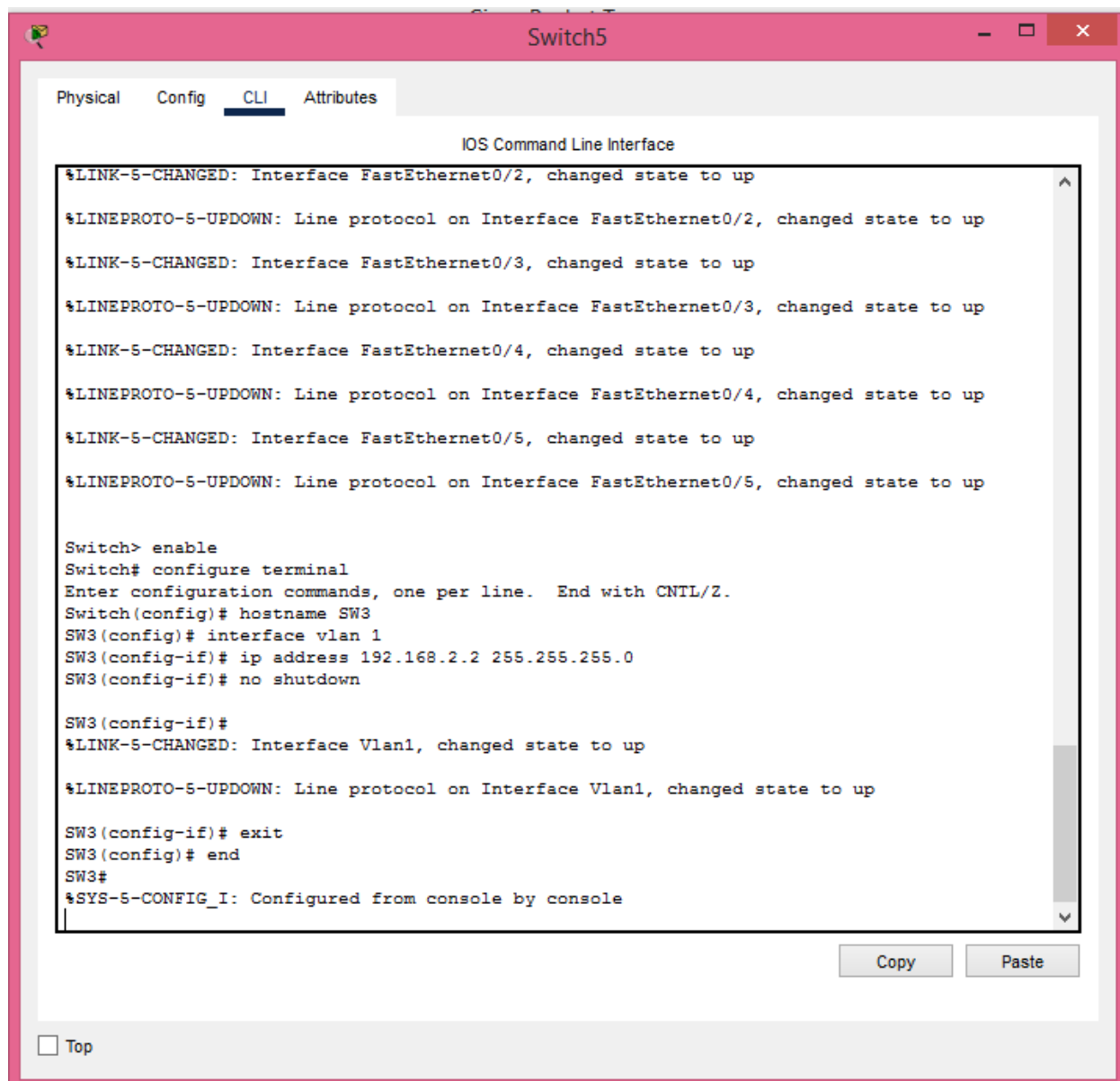
- **Reproduction de la topologie**



- Configuration des Switchs







Switch3

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up

Switch> enable
Switch# configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)# hostname SW4
SW4(config)# interface vlan 1
SW4(config-if)# ip address 192.168.2.3 255.255.255.0
SW4(config-if)# no shutdown

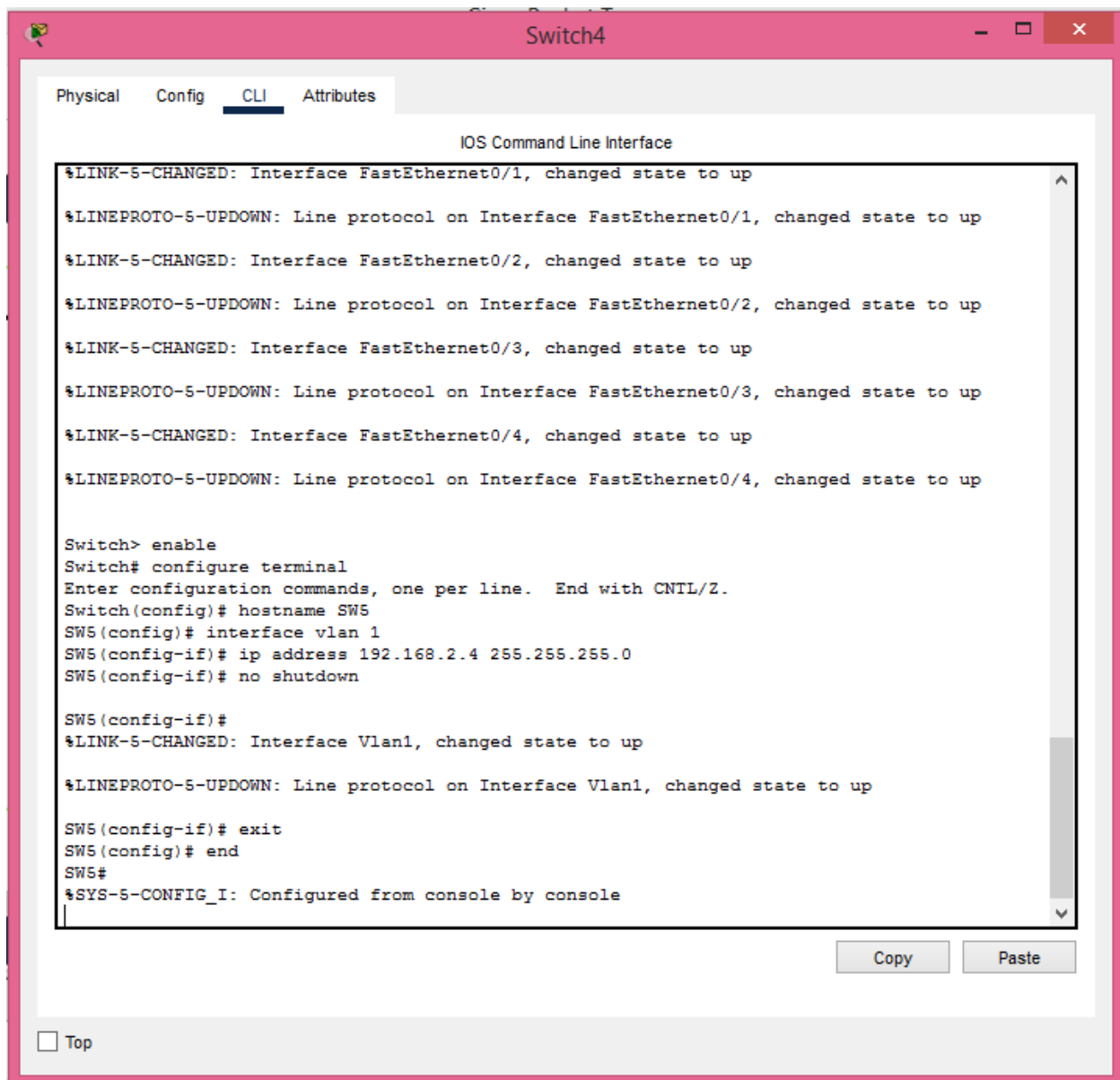
SW4(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

SW4(config-if)# exit
SW4(config)# end
SW4#
%SYS-5-CONFIG_I: Configured from console by console
```

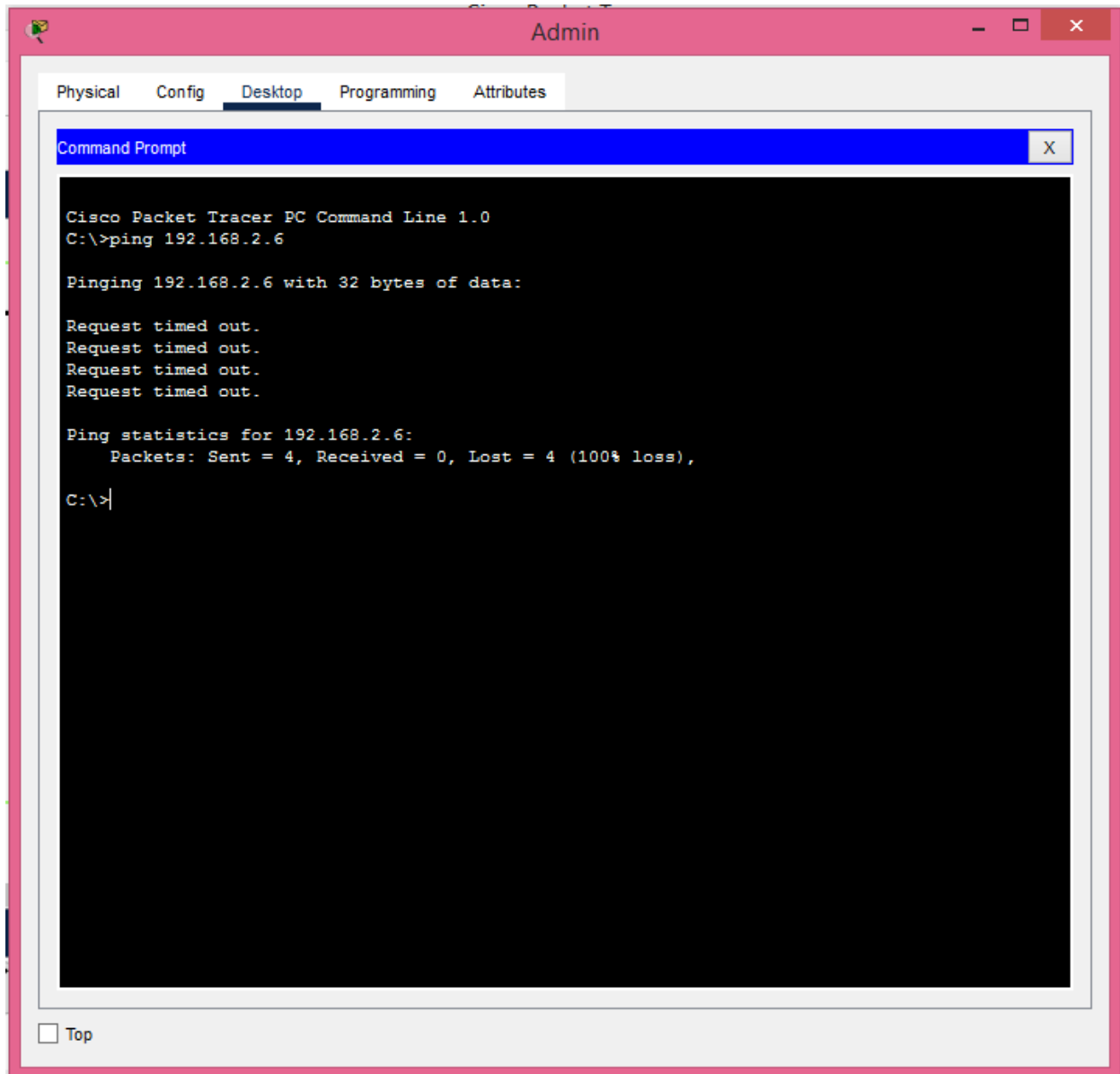
Copy

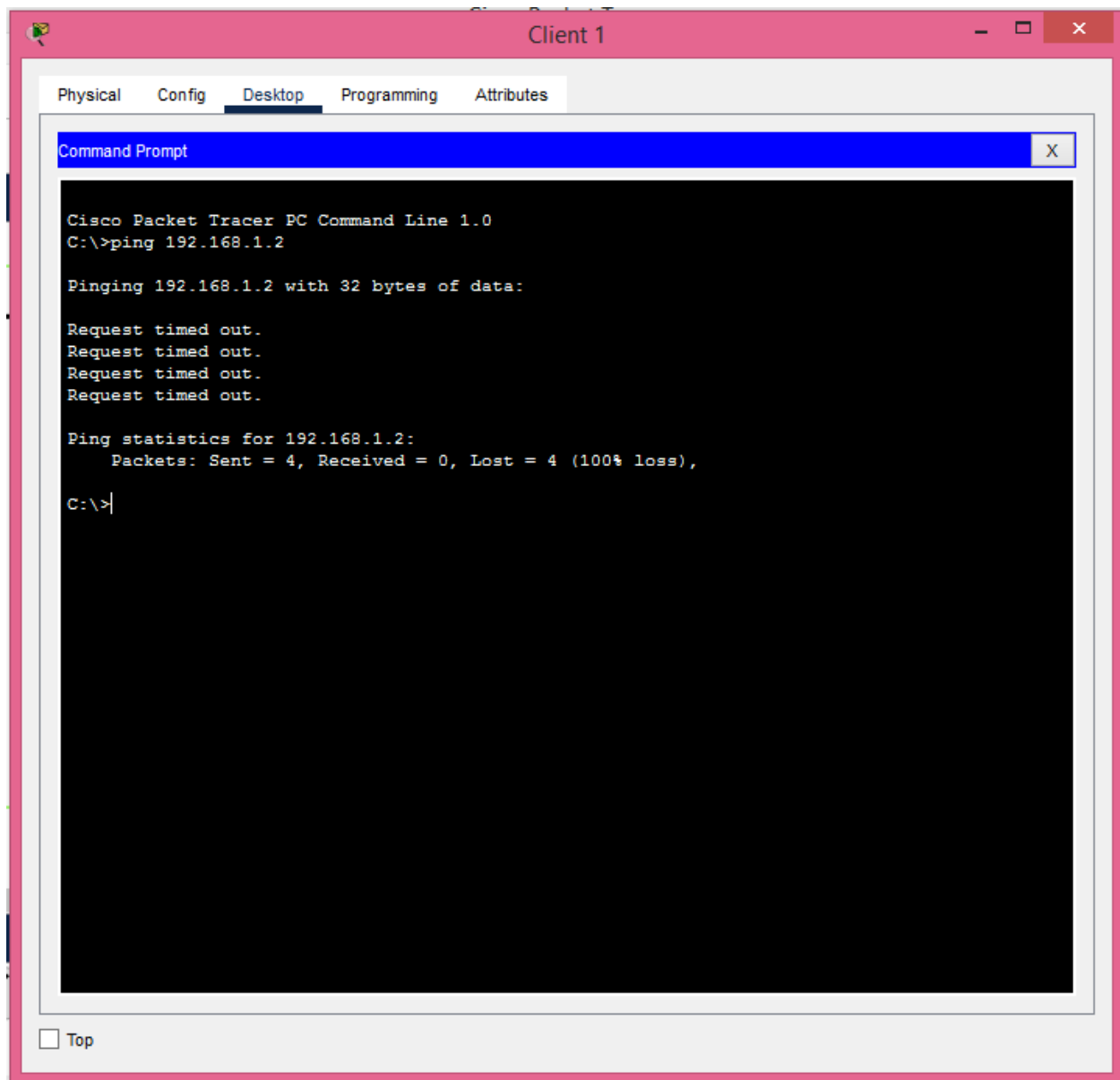
Paste

☐ Top



- Test de connectivité



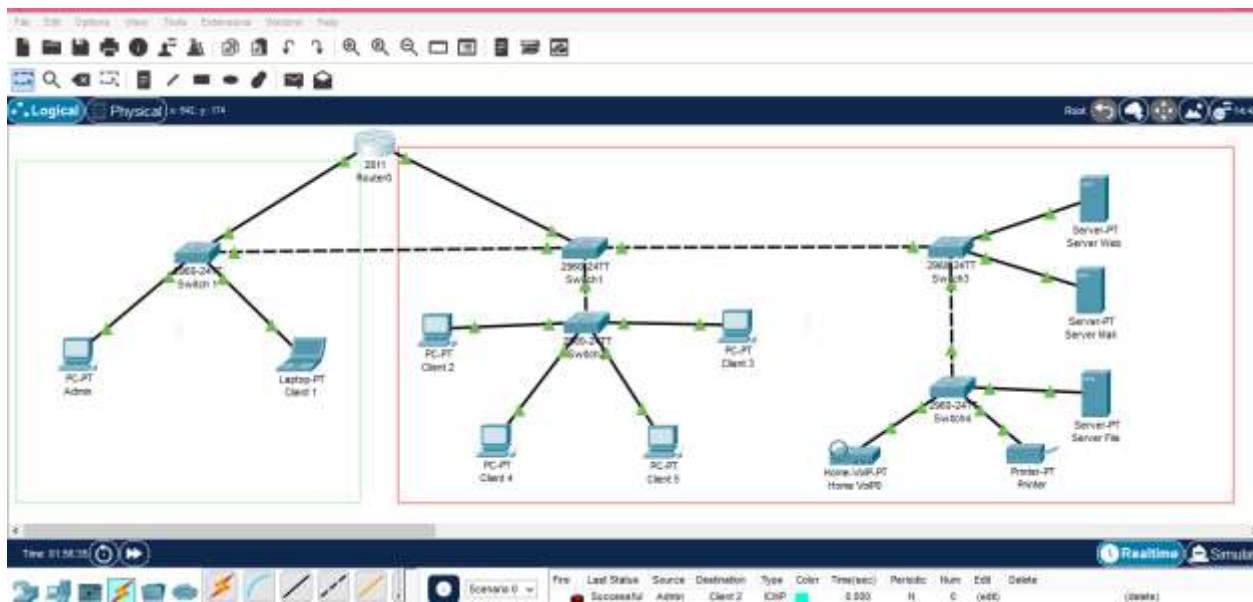


- **Simulation**

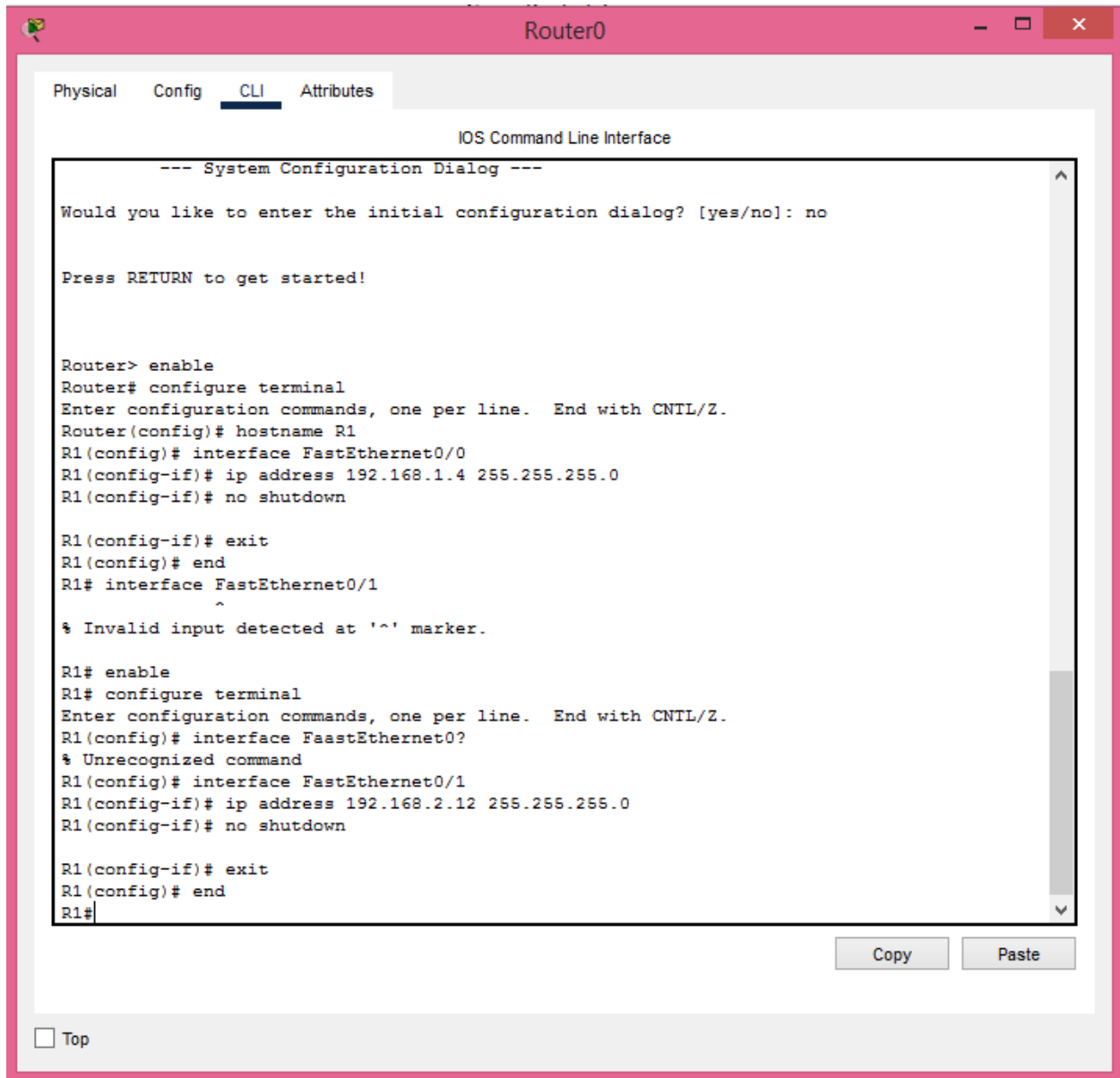
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit
	Failed	Admin	Client 1	ICMP		7.475	N	1	(ec
	Failed	Admin	Client 1	ICMP		0.000	N	2	(ec
	Failed	Admin	Client 3	ICMP		0.401	N	3	(ec

2. Reproduisez cette topologie en configurant le routeur et les switches, puis en attribuant les adresses IP aux dispositifs. Utilisez soit IPv4, soit IPv6, et testez la connectivité des deux VLAN à l'aide de la commande ping et du mode de simulation.

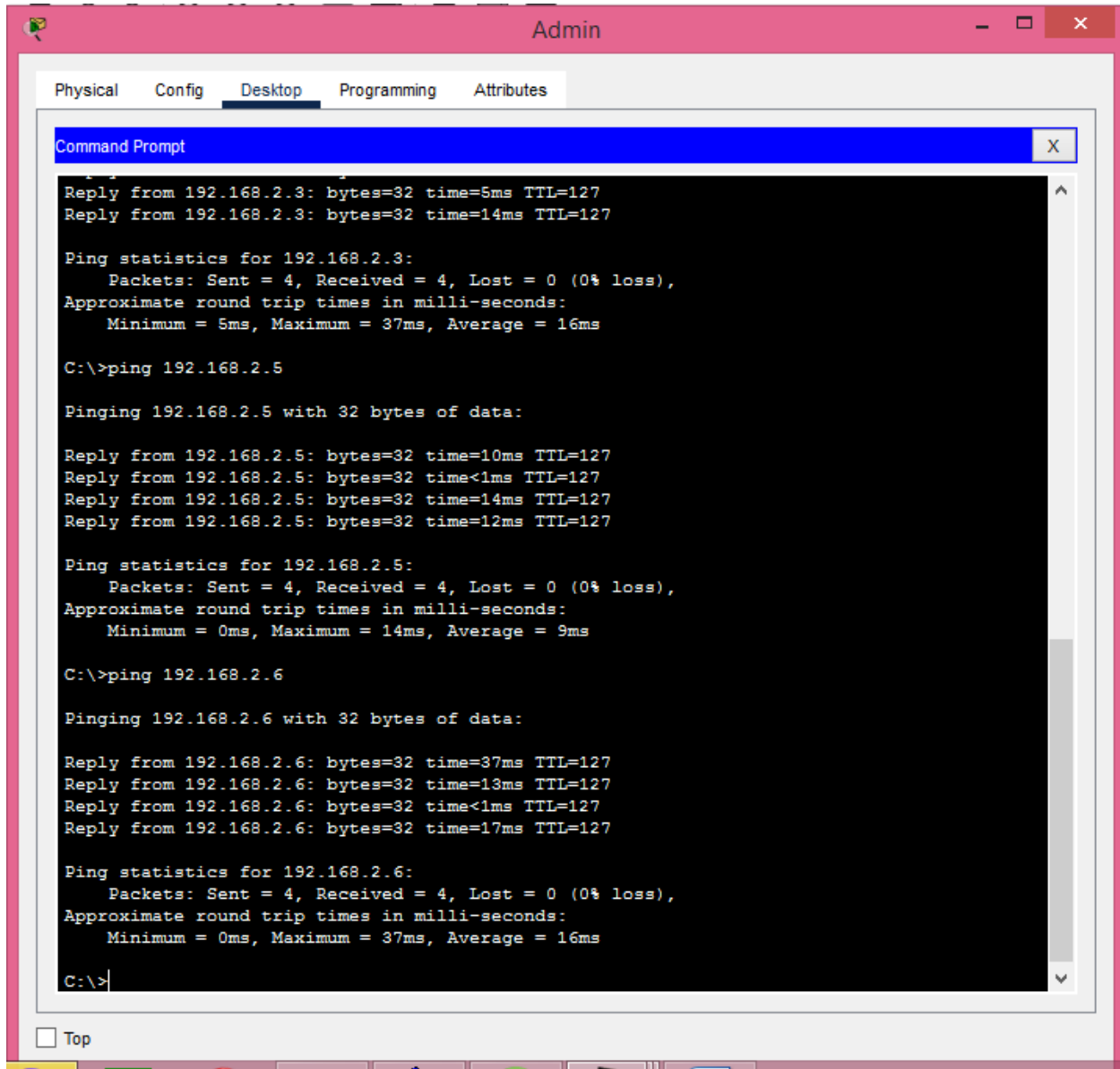
- **Reproduction de la topologie**

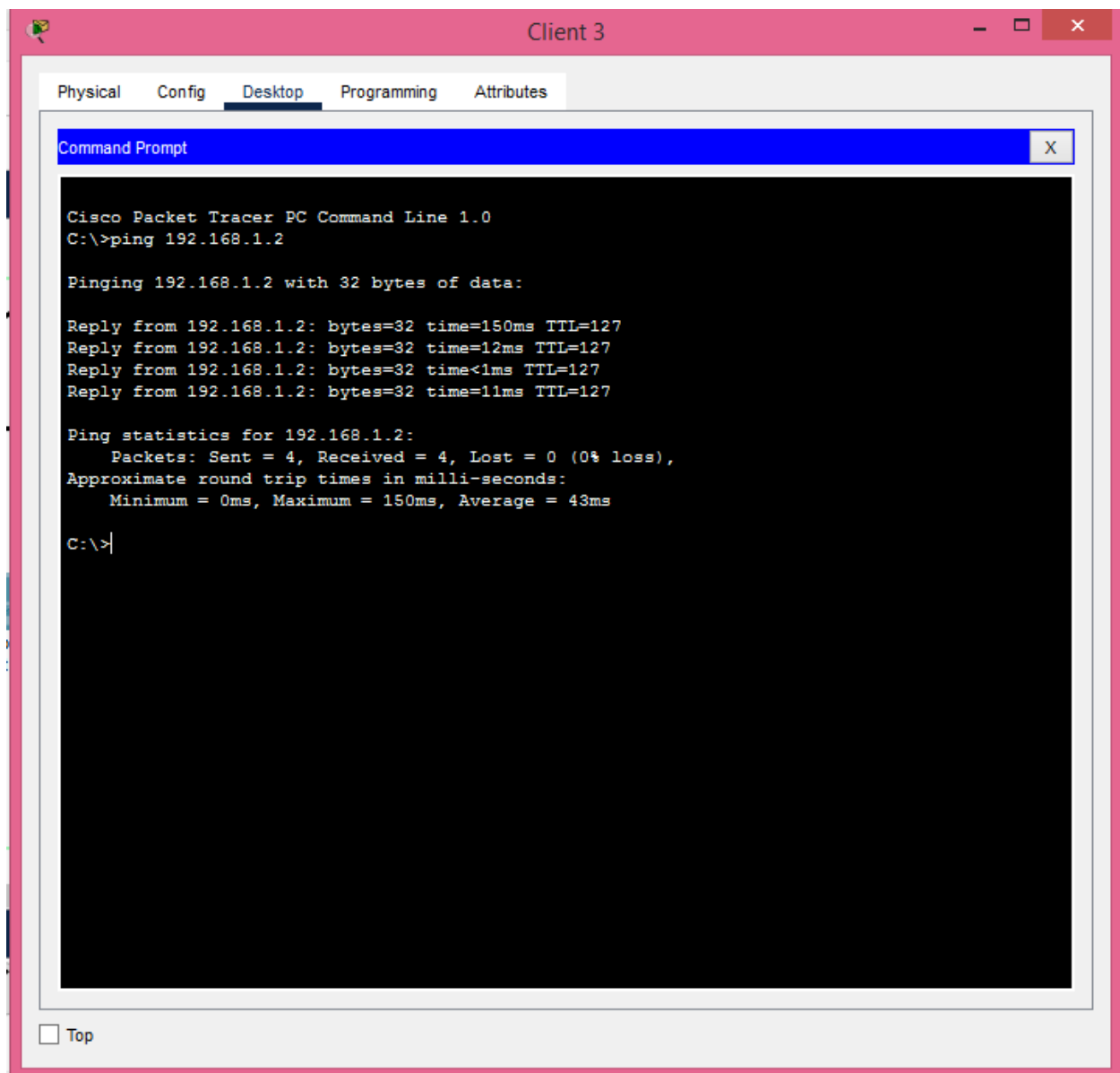


- Configuration Router



- Test de connectivité





- **Simulation**

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Admin	Client 2	ICMP		0.000	N	0	(edit)	(delete)
	Successful	Client 1	Client 1	ICMP		0.000	N	1	(edit)	(delete)
	Successful	Client 1	Client 5	ICMP		0.000	N	2	(edit)	(delete)
	Successful	Client 3	Admin	ICMP		0.000	N	3	(edit)	(delete)

