Institut Universitaire des sciences

- Faculté : Faculté des sciences et de technologie

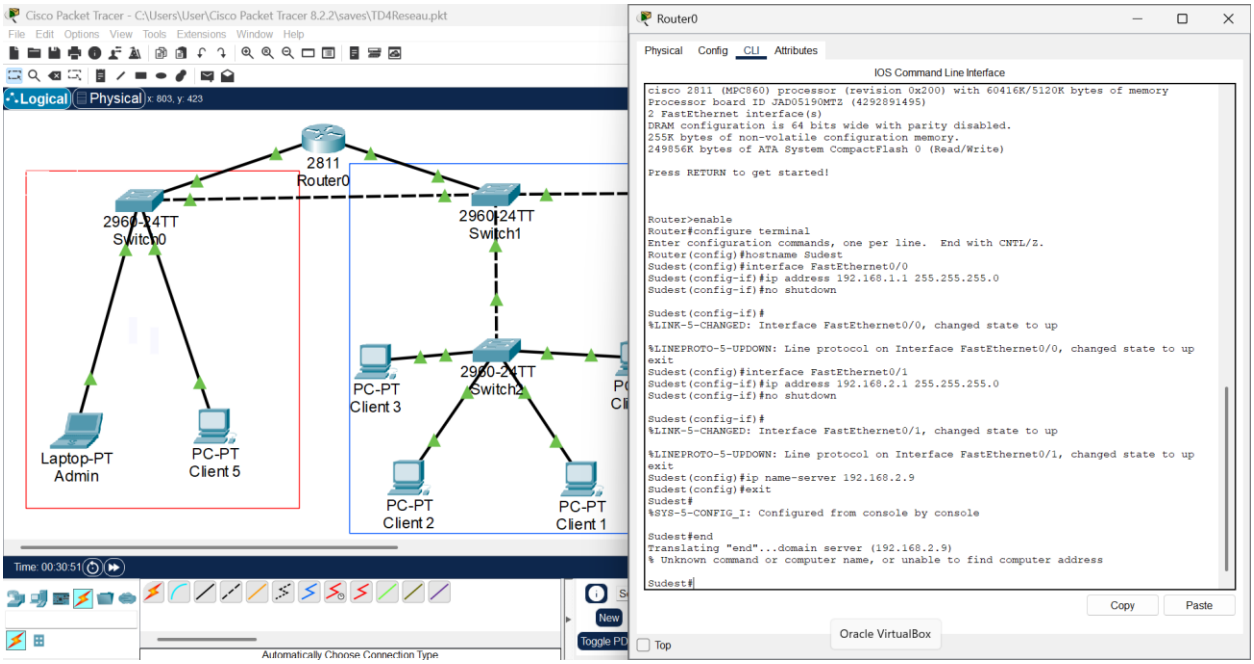
✓ TD N°5 Réseau I

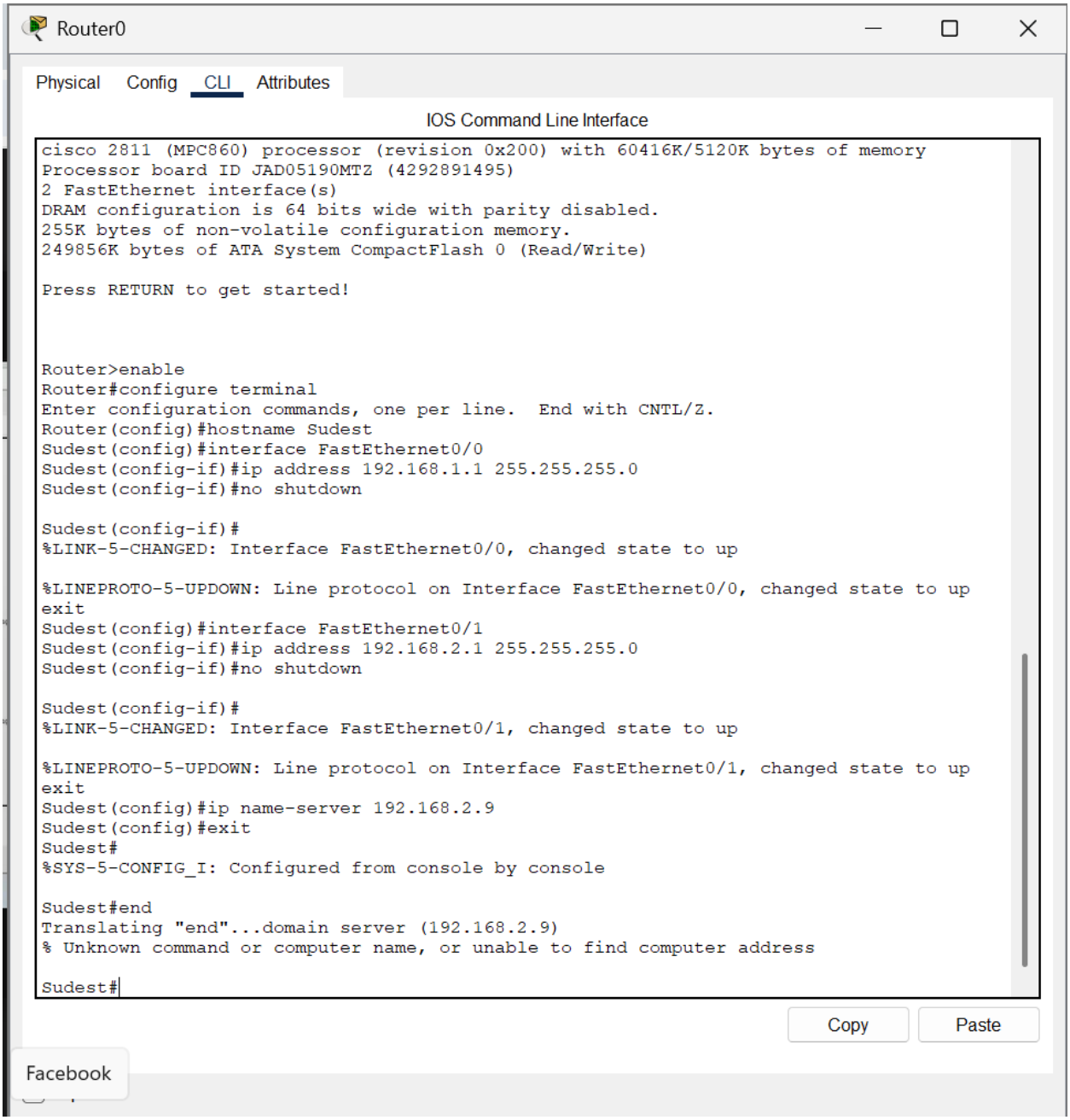
Nom & Prénom : COFFY Cliford

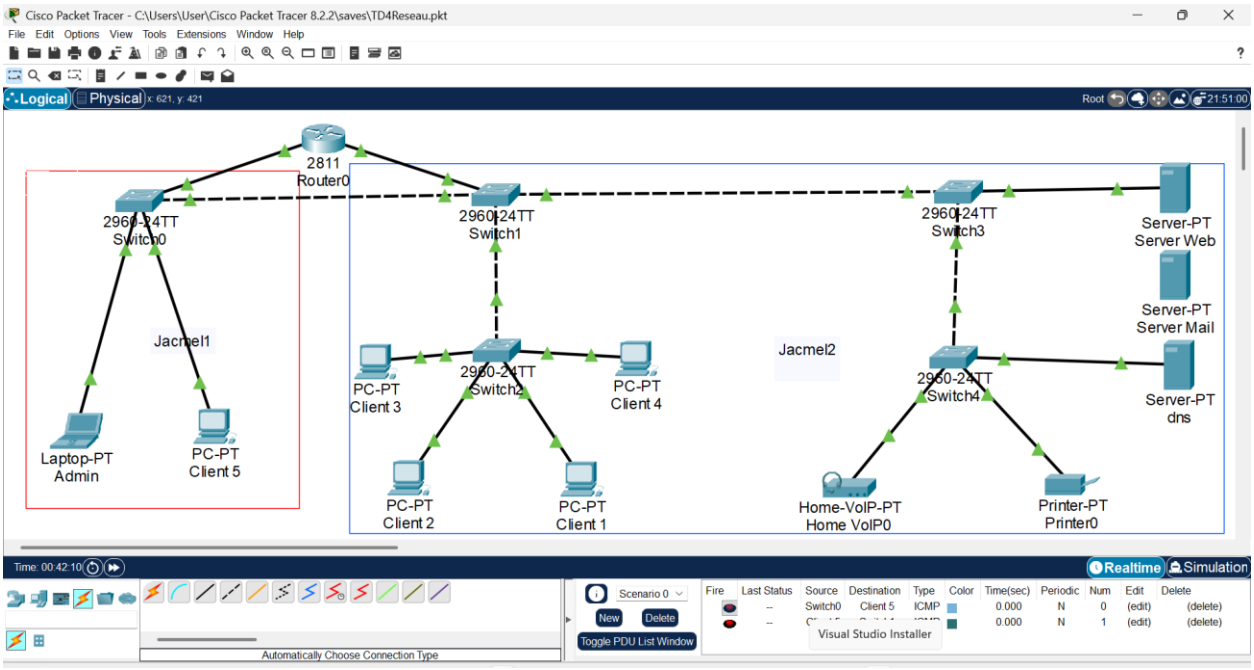
Niveau : L3

Date : 27/11/2025

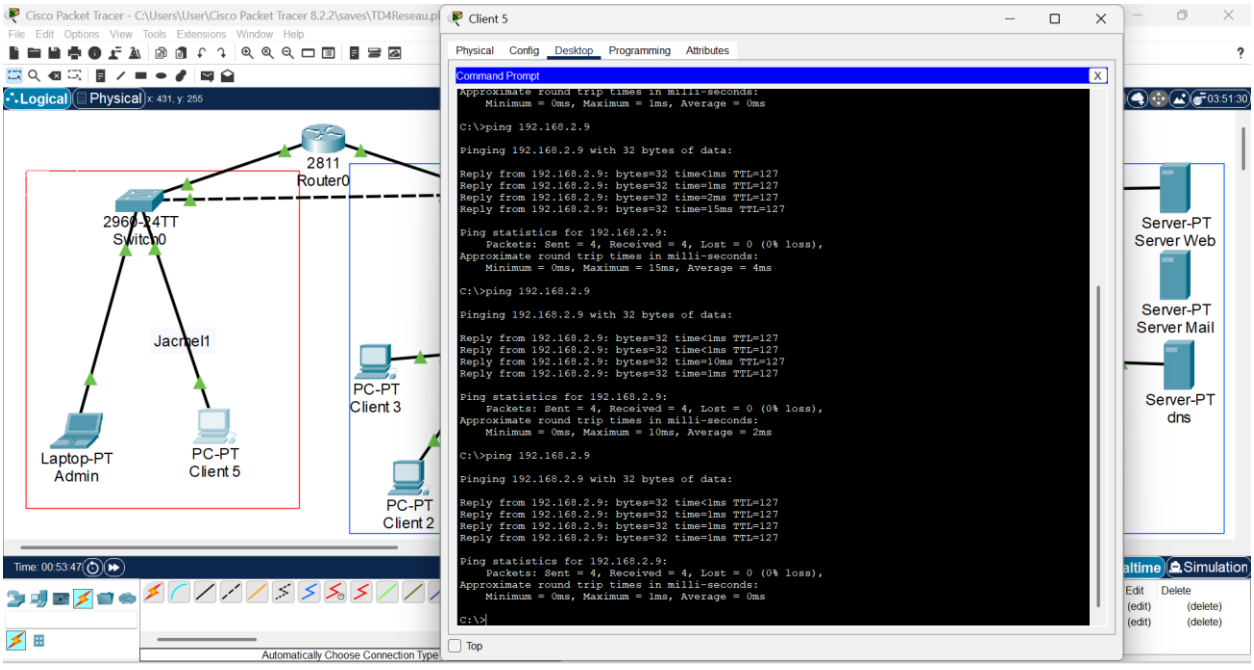
Ici je reproduis la Topologie puis après j'ai fait la configuration de mon Routeur.

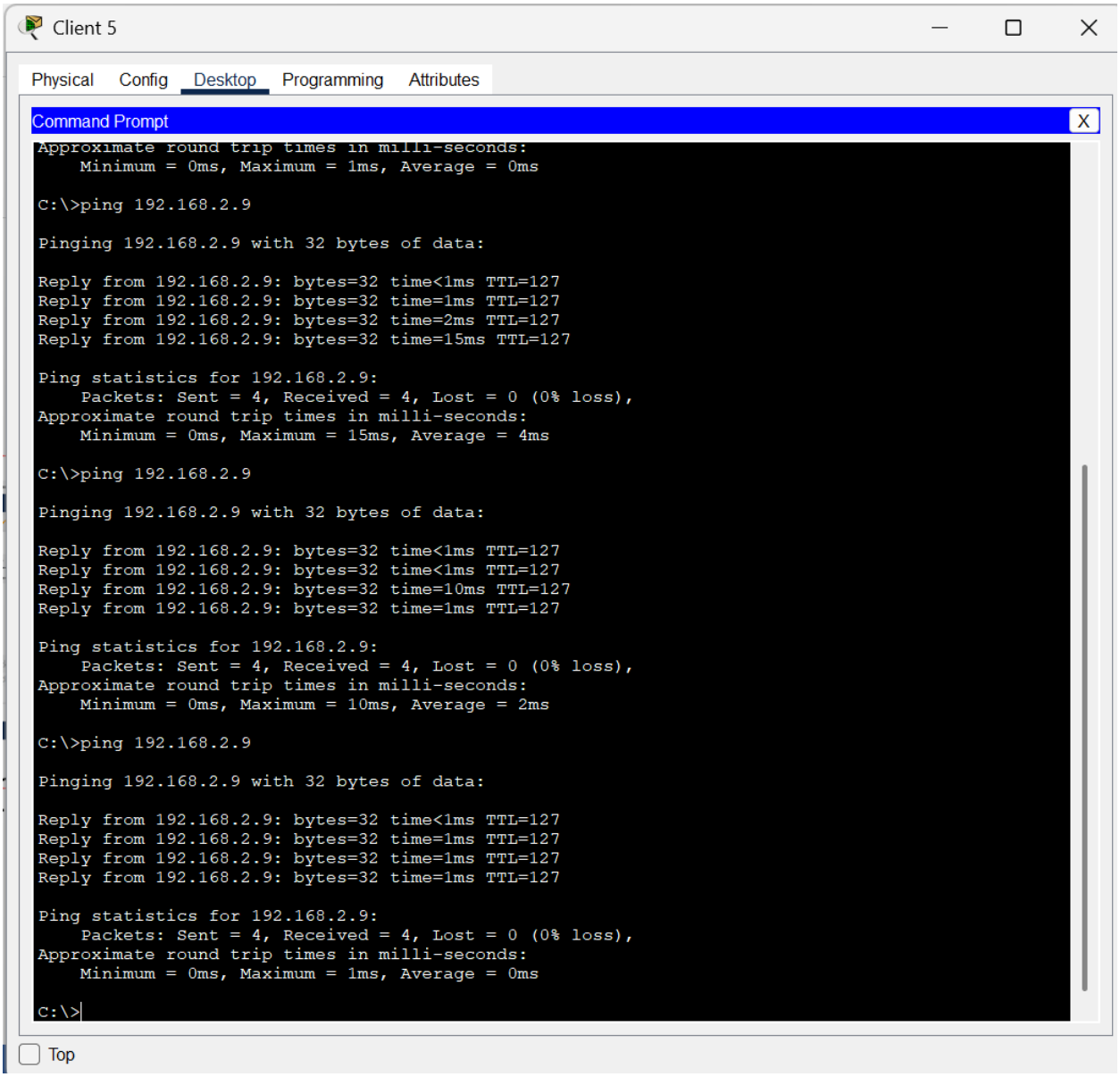


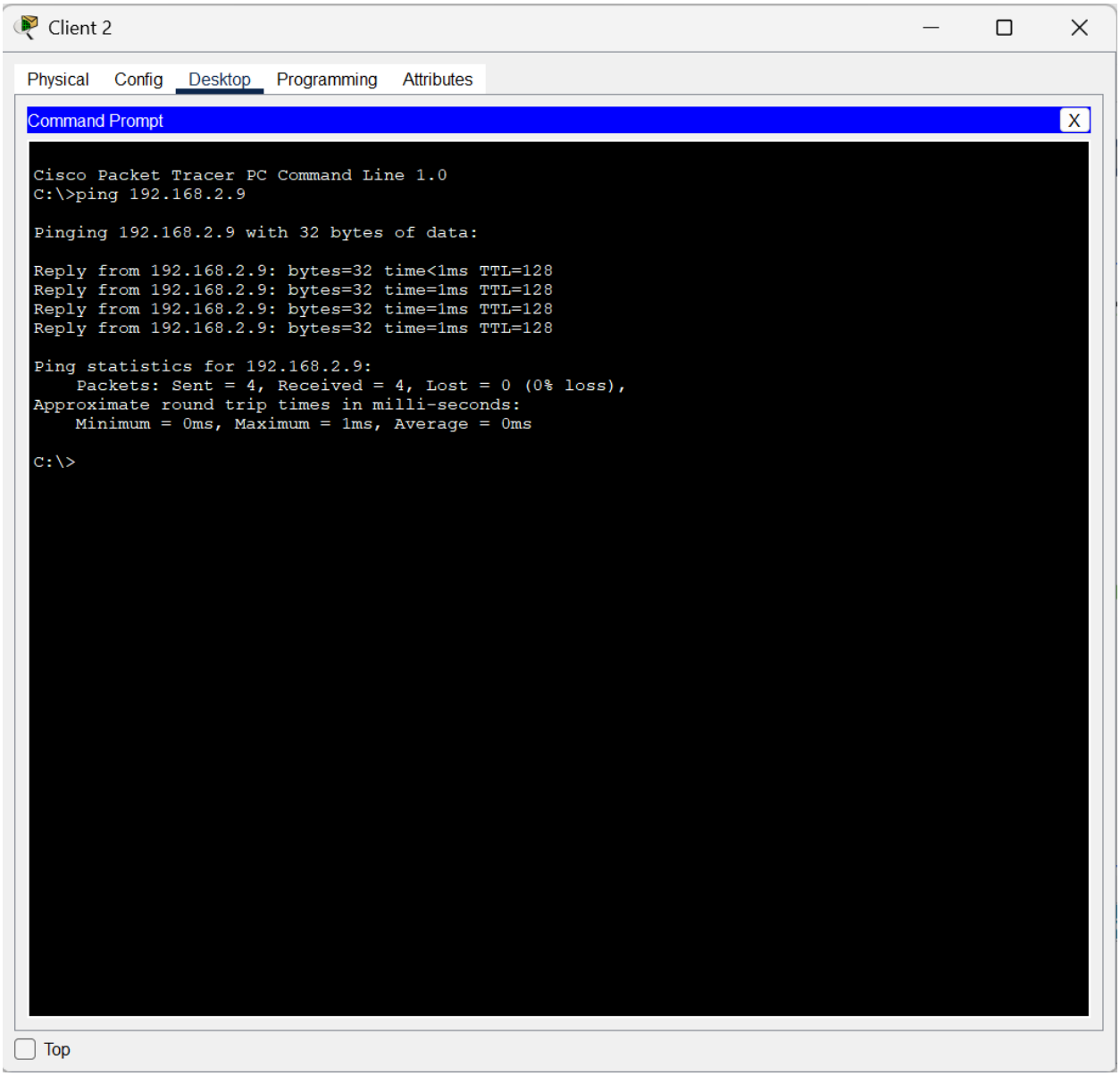

Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
cisco 2811 (MPC860) processor (revision 0x200) with 60416K/5120K bytes of memory
Processor board ID JAD05190MTZ (4292891495)
2 FastEthernet interface(s)
DRAM configuration is 64 bits wide with parity disabled.
255K bytes of non-volatile configuration memory.
249856K bytes of ATA System CompactFlash 0 (Read/Write)
Press RETURN to get started!
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Sudest
Sudest(config)#interface FastEthernet0/0
Sudest(config-if)#ip address 192.168.1.1 255.255.255.0
Sudest(config-if)#no shutdown
Sudest(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
exit
Sudest(config)#interface FastEthernet0/1
Sudest(config-if)#ip address 192.168.2.1 255.255.255.0
Sudest(config-if)#no shutdown
Sudest(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
exit
Sudest(config)#ip name-server 192.168.2.9
Sudest(config)#exit
Sudest#
%SYS-5-CONFIG_I: Configured from console by console
Sudest#end
Translating "end"...domain server (192.168.2.9)
% Unknown command or computer name, or unable to find computer address
Sudest#
Copy
Paste
Facebook

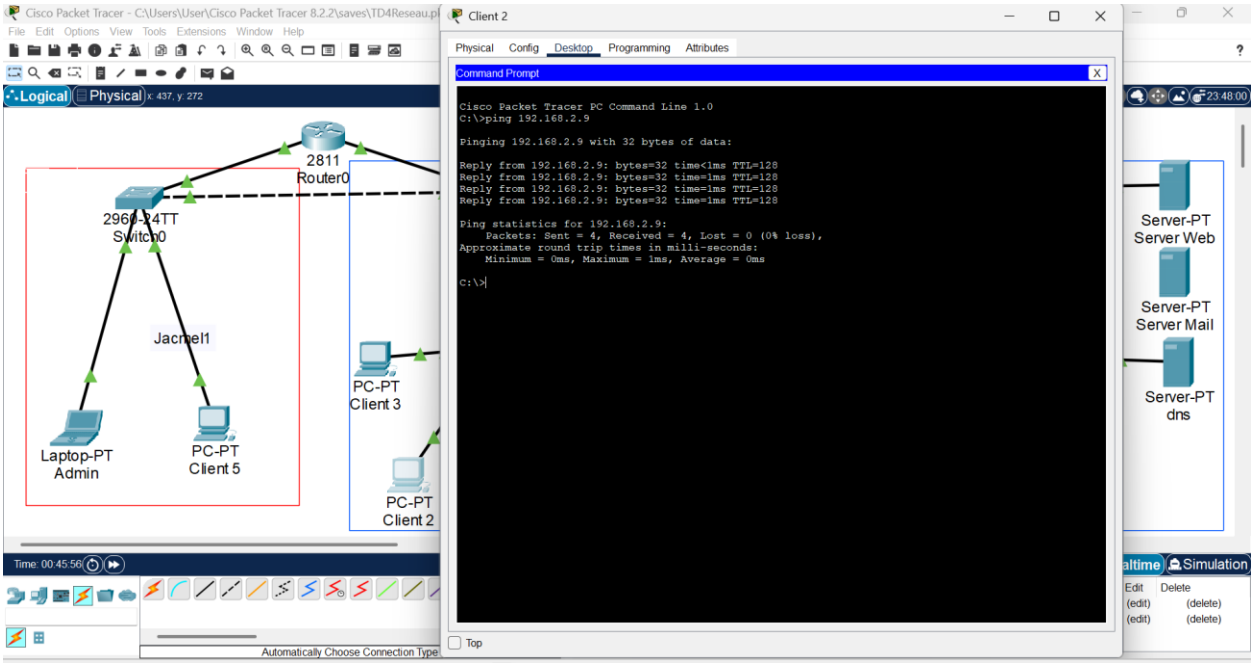


Ici je teste la connectivité de mon server « dns » je regarde si c'est en communication avec les hôtes et bien évidemment il est en communication avec les hôtes .

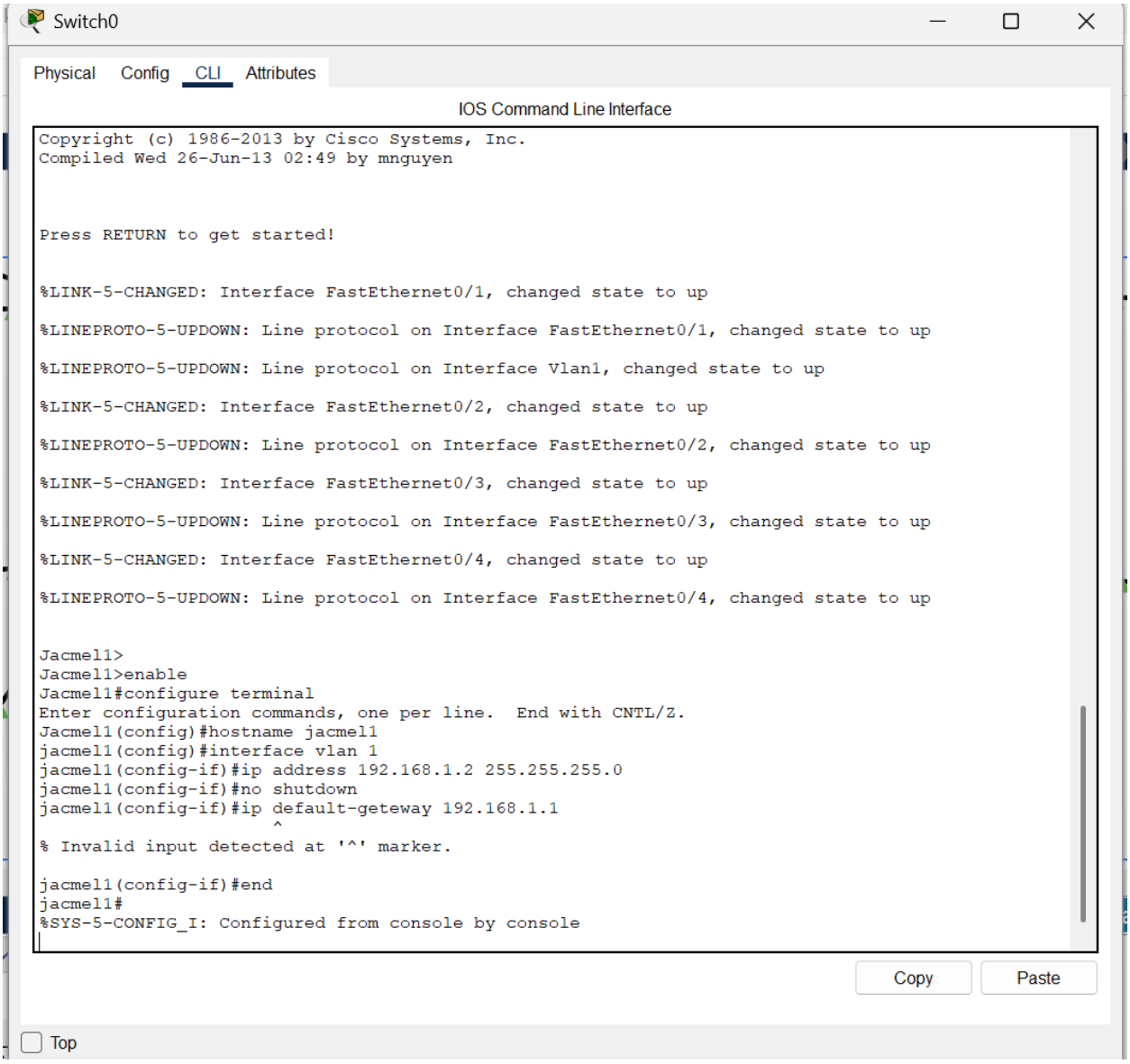


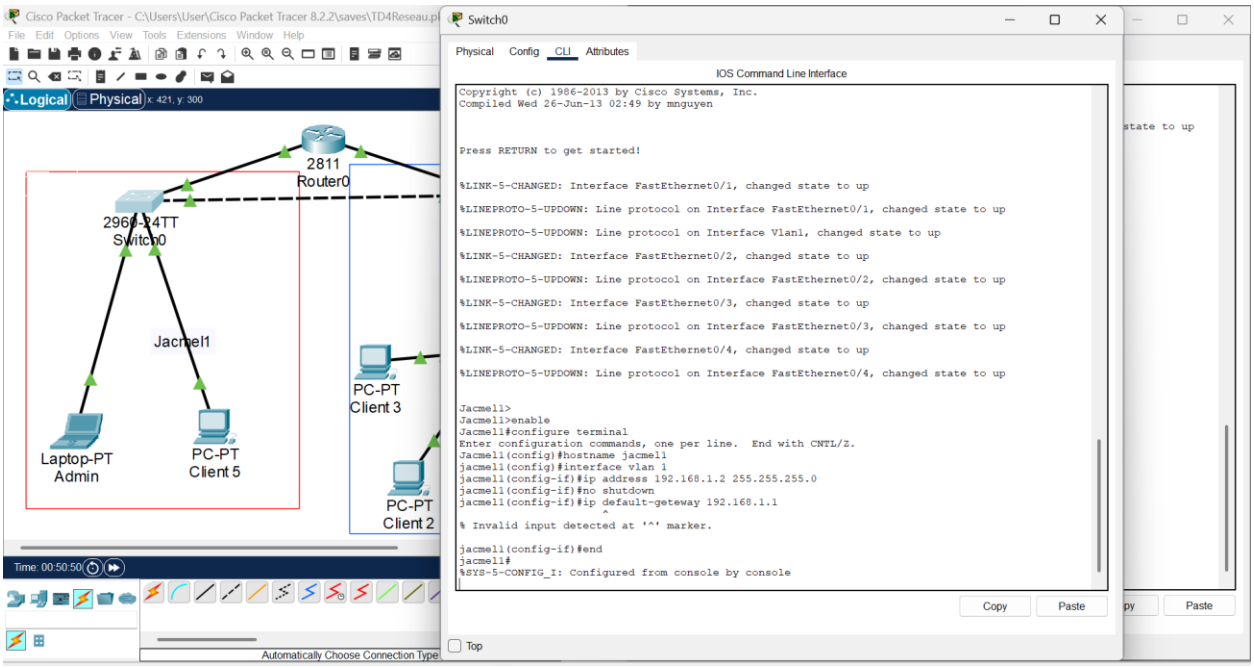

Client 5
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 192.168.2.9
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=2ms TTL=127
Reply from 192.168.2.9: bytes=32 time=15ms TTL=127
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 15ms, Average = 4ms
C:\>ping 192.168.2.9
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=10ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 10ms, Average = 2ms
C:\>ping 192.168.2.9
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
Top


Client 2
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.9
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=128
Reply from 192.168.2.9: bytes=32 time=1ms TTL=128
Reply from 192.168.2.9: bytes=32 time=1ms TTL=128
Reply from 192.168.2.9: bytes=32 time=1ms TTL=128
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
Top

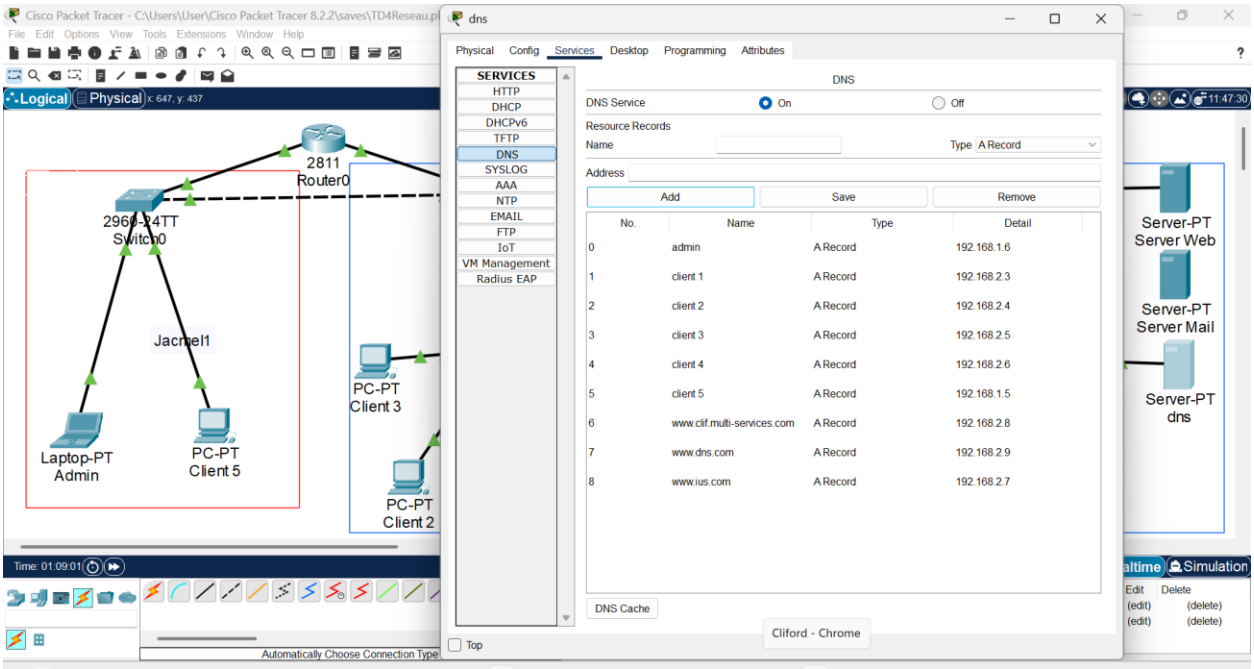

Cisco Packet Tracer - C:\Users\User\Cisco Packet Tracer 8.2.2\saves\TD4Reseau.pl
File Edit Options View Tools Extensions Window Help
Logical Physical x: 437, y: 272
2811
Router0
2960-24TT
Switch0
Jacmel1
Laptop-PT
Admin
PC-PT
Client 5
PC-PT
Client 3
PC-PT
Client 2
Server-PT
Server Web
Server-PT
Server Mail
Server-PT
dns
Time: 00:45:56
Automatically Choose Connection Type
Client 2
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.9
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=128
Reply from 192.168.2.9: bytes=32 time=1ms TTL=128
Reply from 192.168.2.9: bytes=32 time=1ms TTL=128
Reply from 192.168.2.9: bytes=32 time=1ms TTL=128
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
Top
Simulation
Edit Delete
(edit) (delete)
(edit) (delete)

Ici je fais la configuration d’un switch c’est ainsi je fais pour les autres switchs.

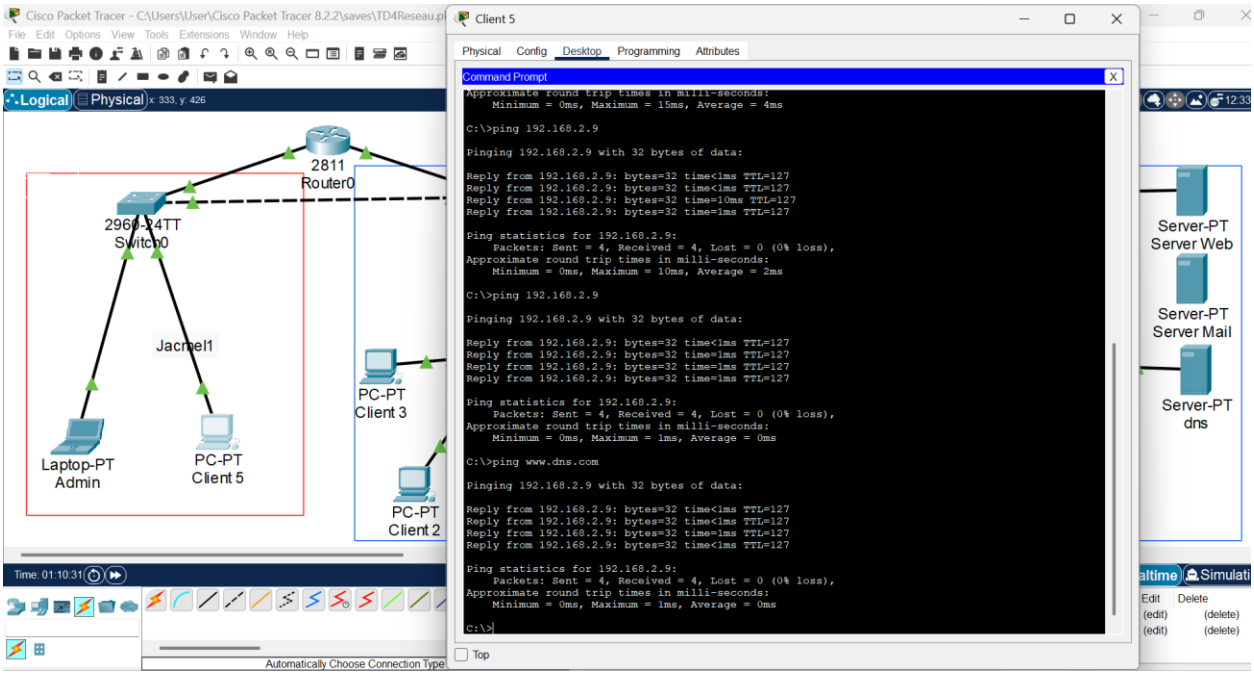


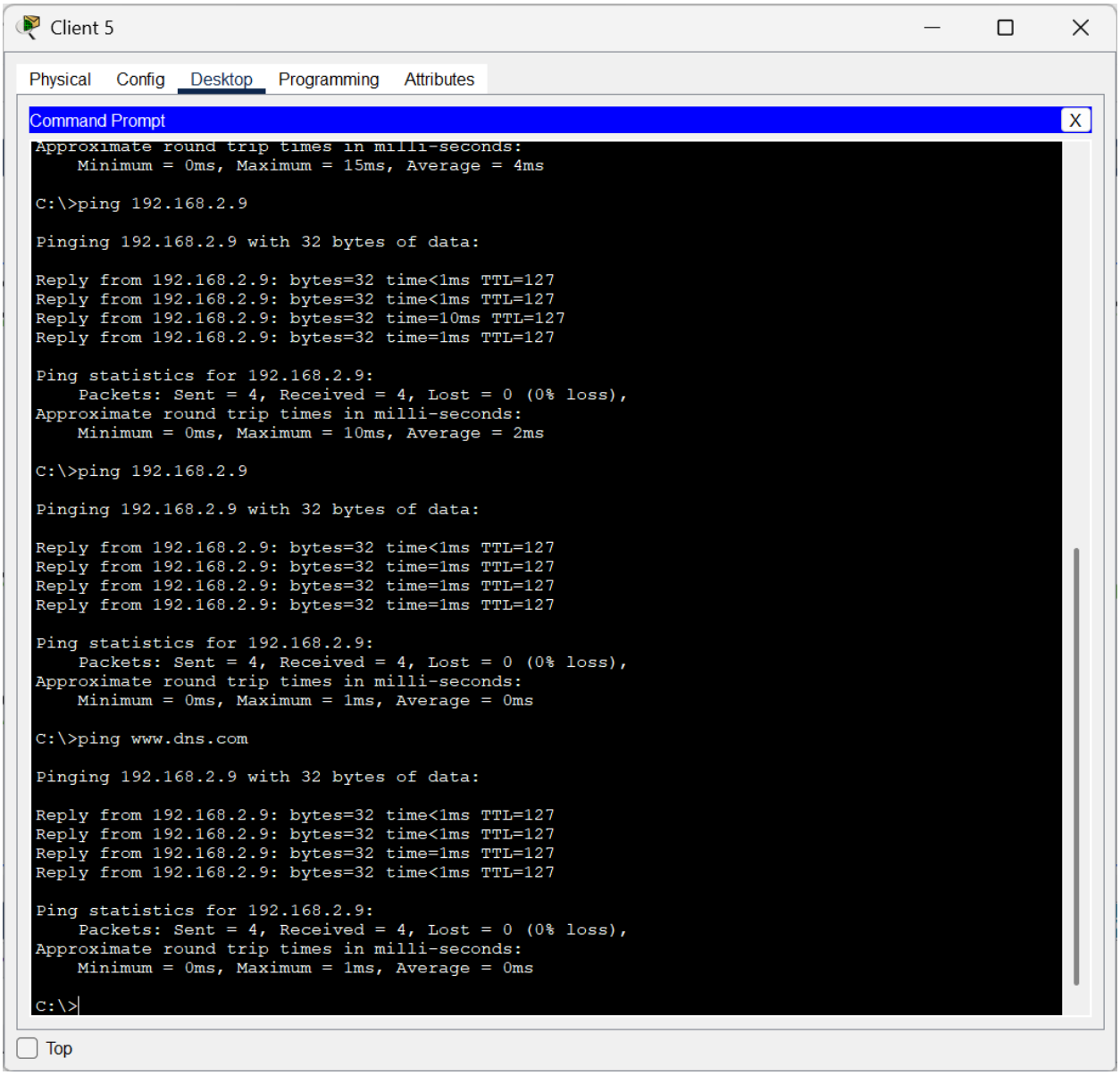


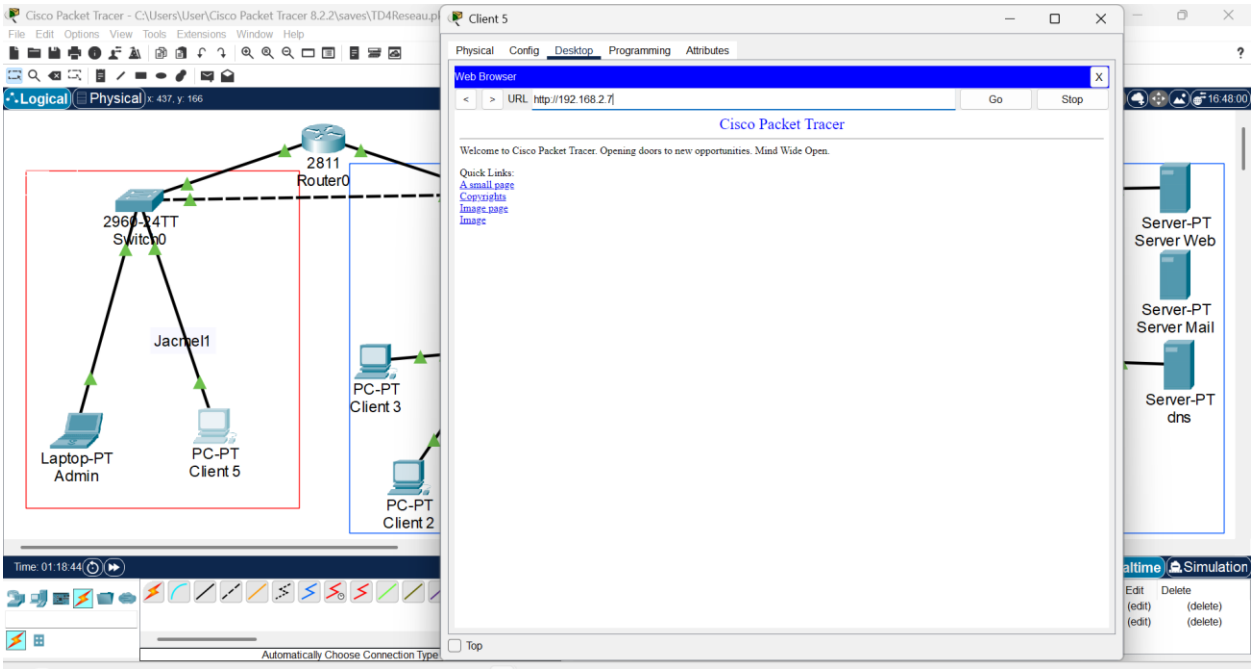
Et arriver ici je vais sur mon server dns puis je vais dans Services après je clique sur DNS après je fais ON pour ouvrir le DNS Services puis je add tous les composant, les PC et servers du réseau et attribuant des noms.



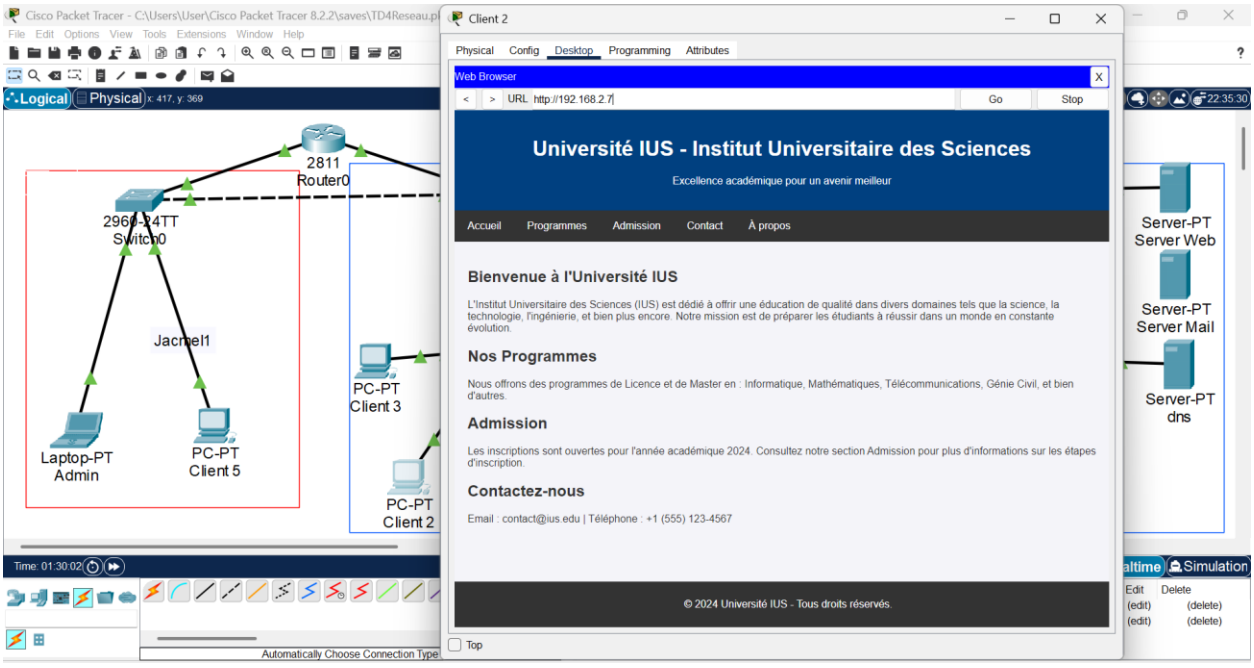
Puis je vais tester si c’est en communication avec le nom donner avec mon server dns et bien évidemment c’est en communication.



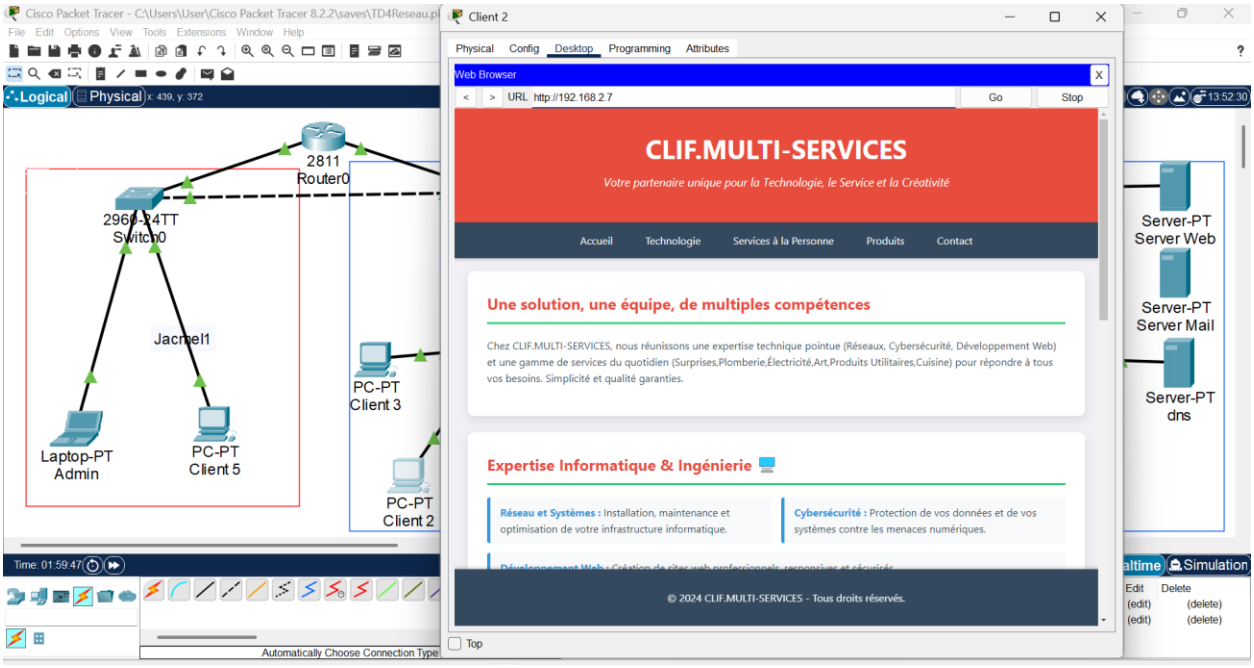

Client 5
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 15ms, Average = 4ms
C:\>ping 192.168.2.9
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=10ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 10ms, Average = 2ms
C:\>ping 192.168.2.9
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping www.dns.com
Pinging 192.168.2.9 with 32 bytes of data:
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Reply from 192.168.2.9: bytes=32 time=1ms TTL=127
Reply from 192.168.2.9: bytes=32 time<1ms TTL=127
Ping statistics for 192.168.2.9:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
Top

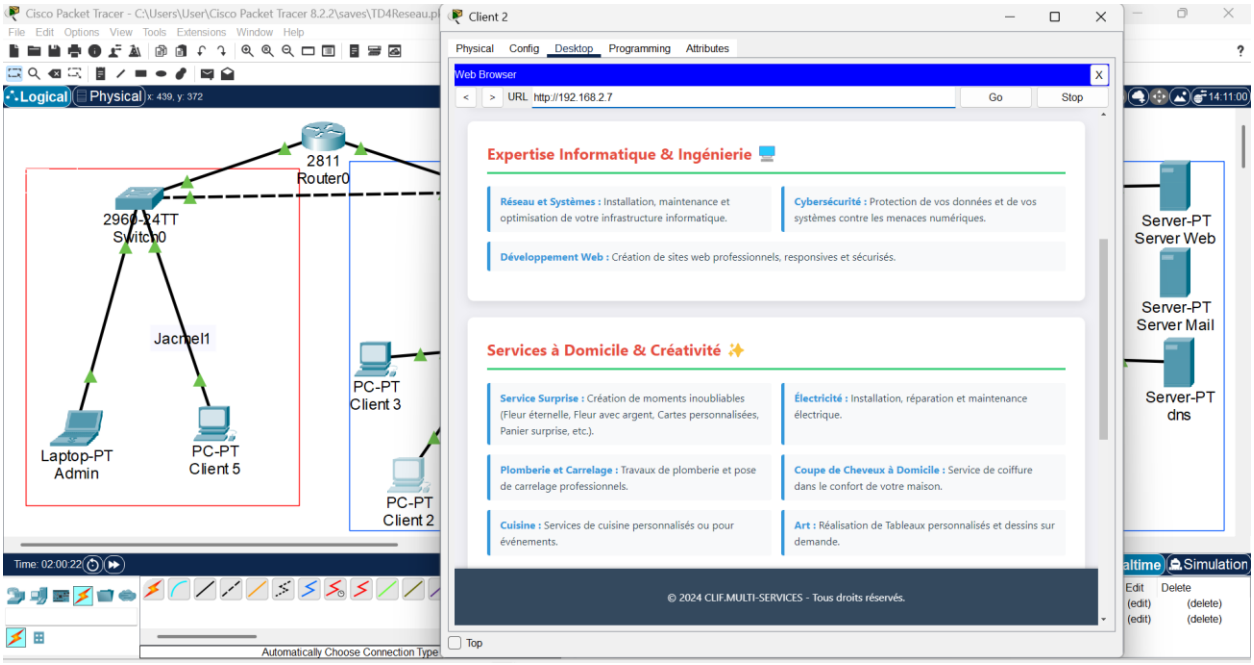


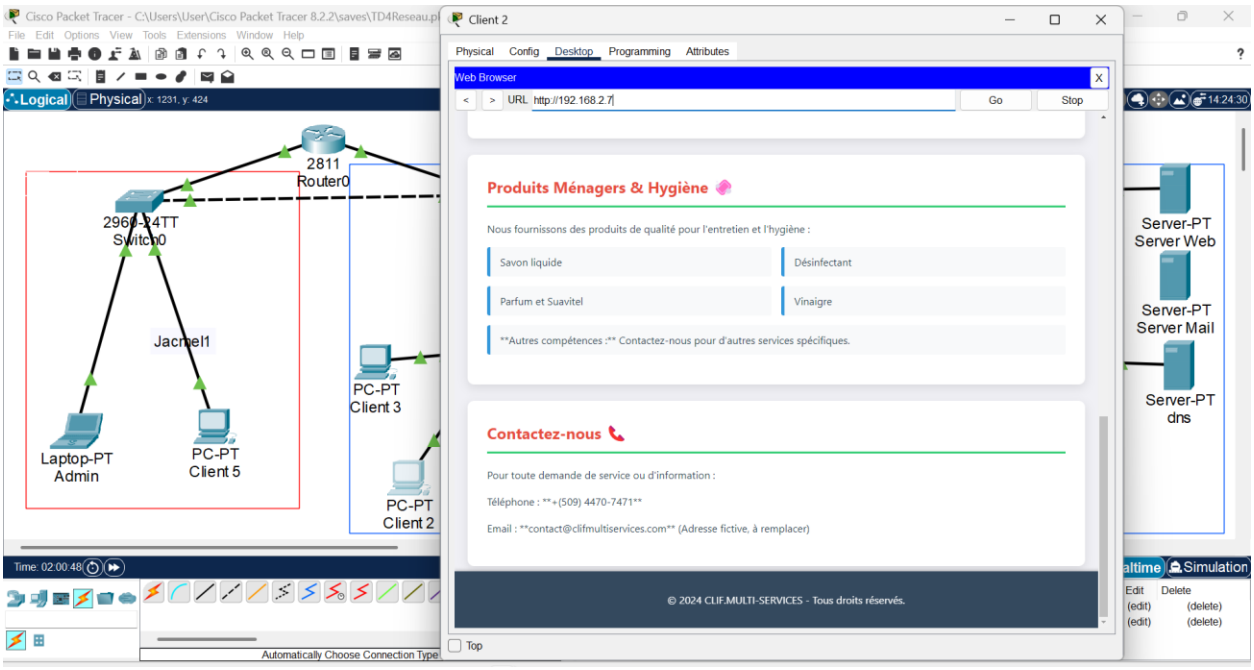
Ça marche avec l'appariton de mon site web



Et moi aussi je teste si ça va marcher avec le code de mon site web et évidemment ça marche bien.







Objectifs du TD

1. **Serveur DNS centralisé**

   Installer et configurer un DNS pour tout le réseau.

2. **Domaines vers services**

   Associer des noms à des serveurs Web, Mail, FTP.

3. **DNS + Web** **DNS + Web**

   Intégrer le DNS avec un serveur Web.

4. **Tests de résolution**

   Vérifier les Vérifiez les noms depuis PC et routeur.

5. **Serveur Web HTTP/HTTPS**

   Créer un serveur Web sécurisé dans Packet Tracer.

6. **HTTP vs HTTPS**

Comprendre la sécurité apportée par HTTPS Comprendre la sécurité apportée par HTTPS.

7. **Accès client Web**

Tester l'ouverture des Tester l'ouverture des pages Web depuis les PC.