

- Faculté : Faculté des sciences et de technologie

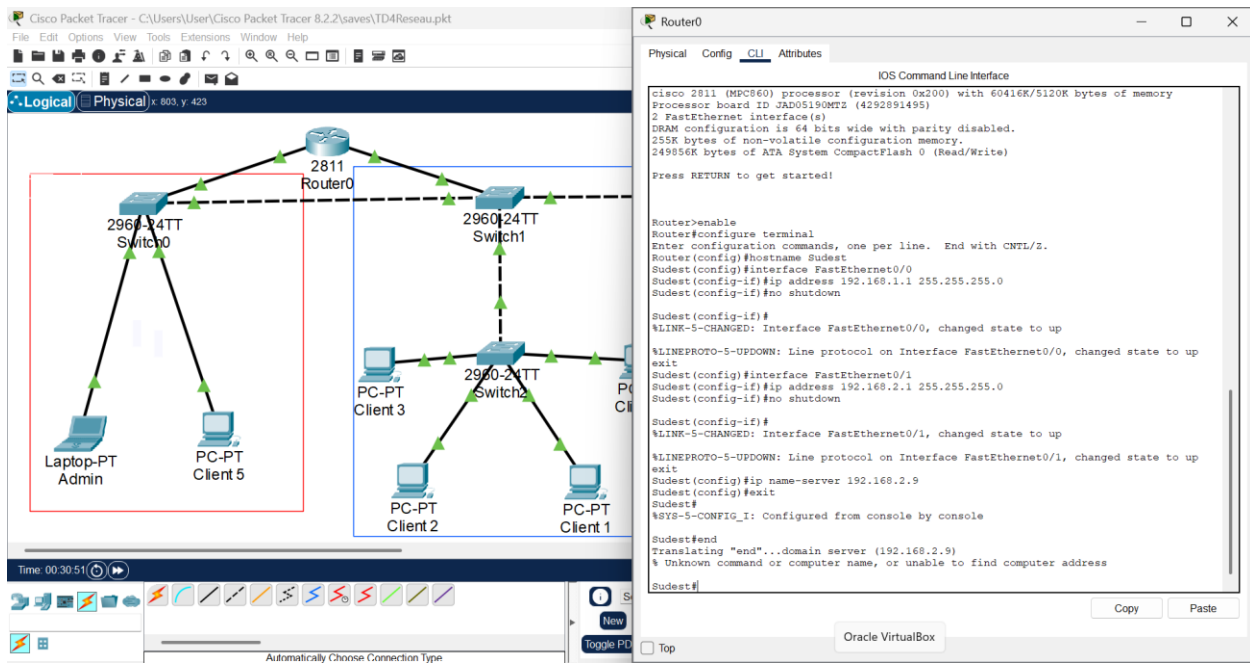
✓ TD N°5 Réseau I

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

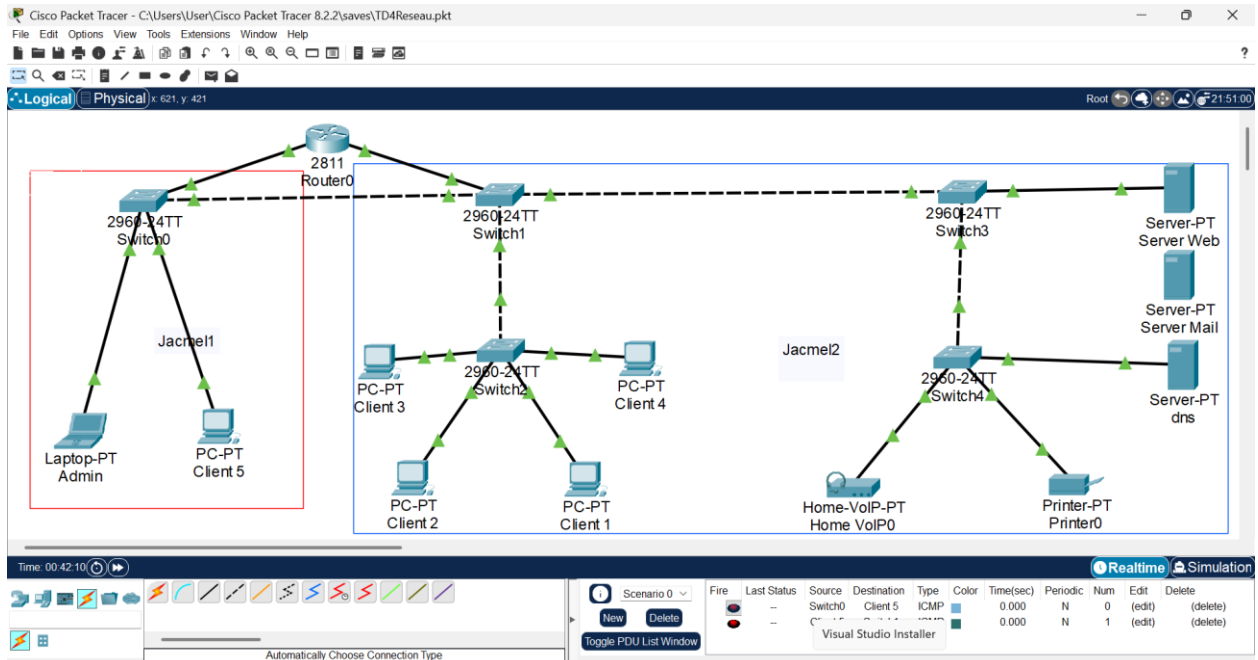
Sudest#end
Translating "end"...domain server (192.168.2.9)
% Unknown command or computer name, or unable to find computer address

Sudest#
```

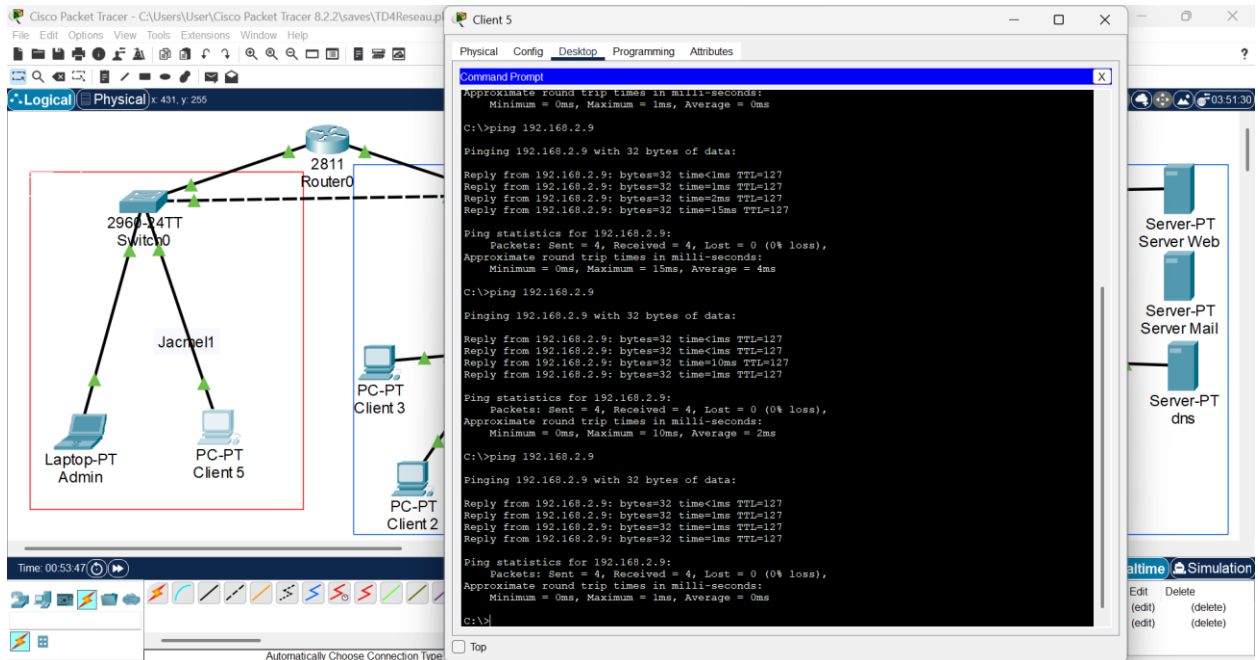
Copy

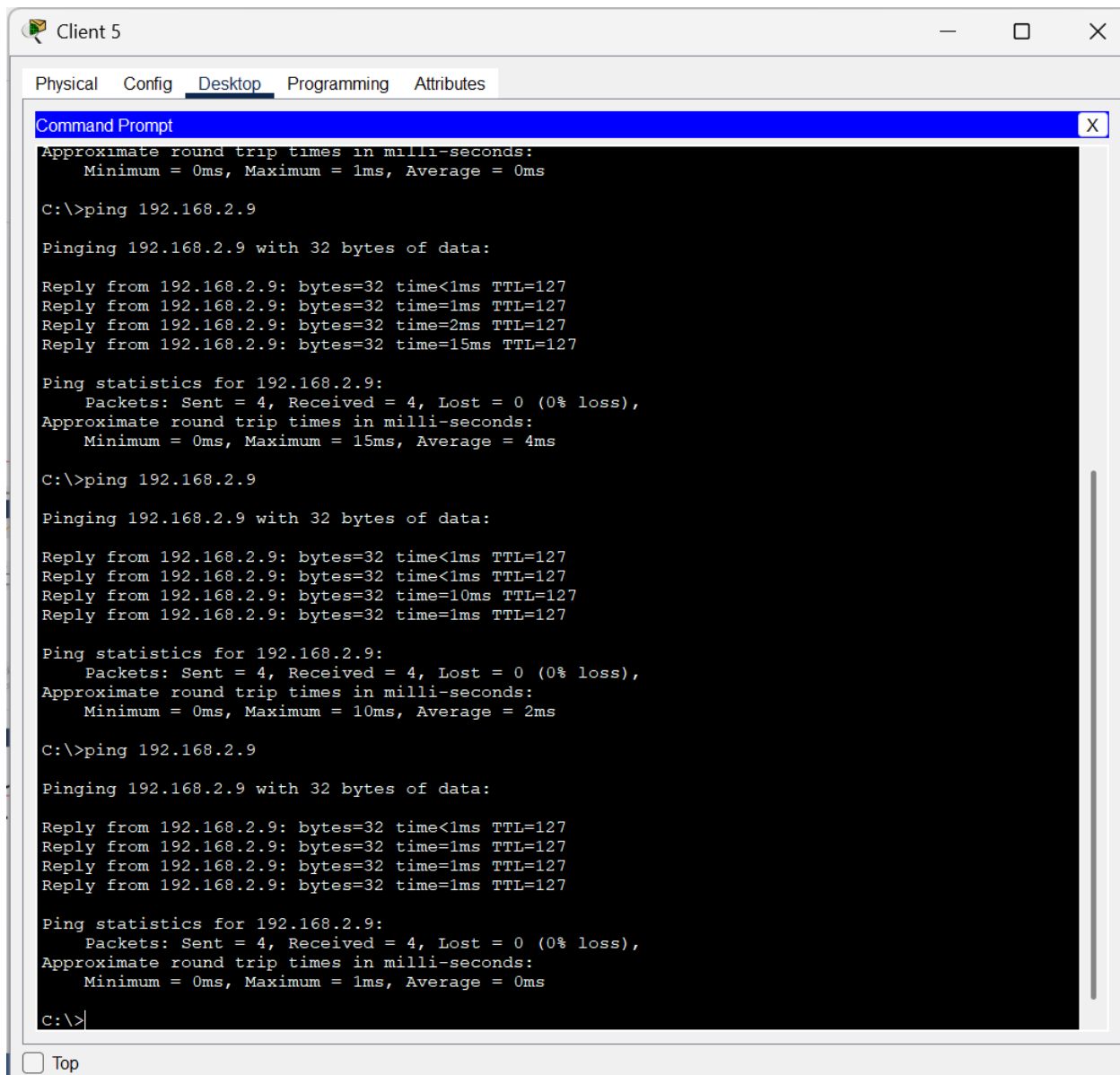
Paste

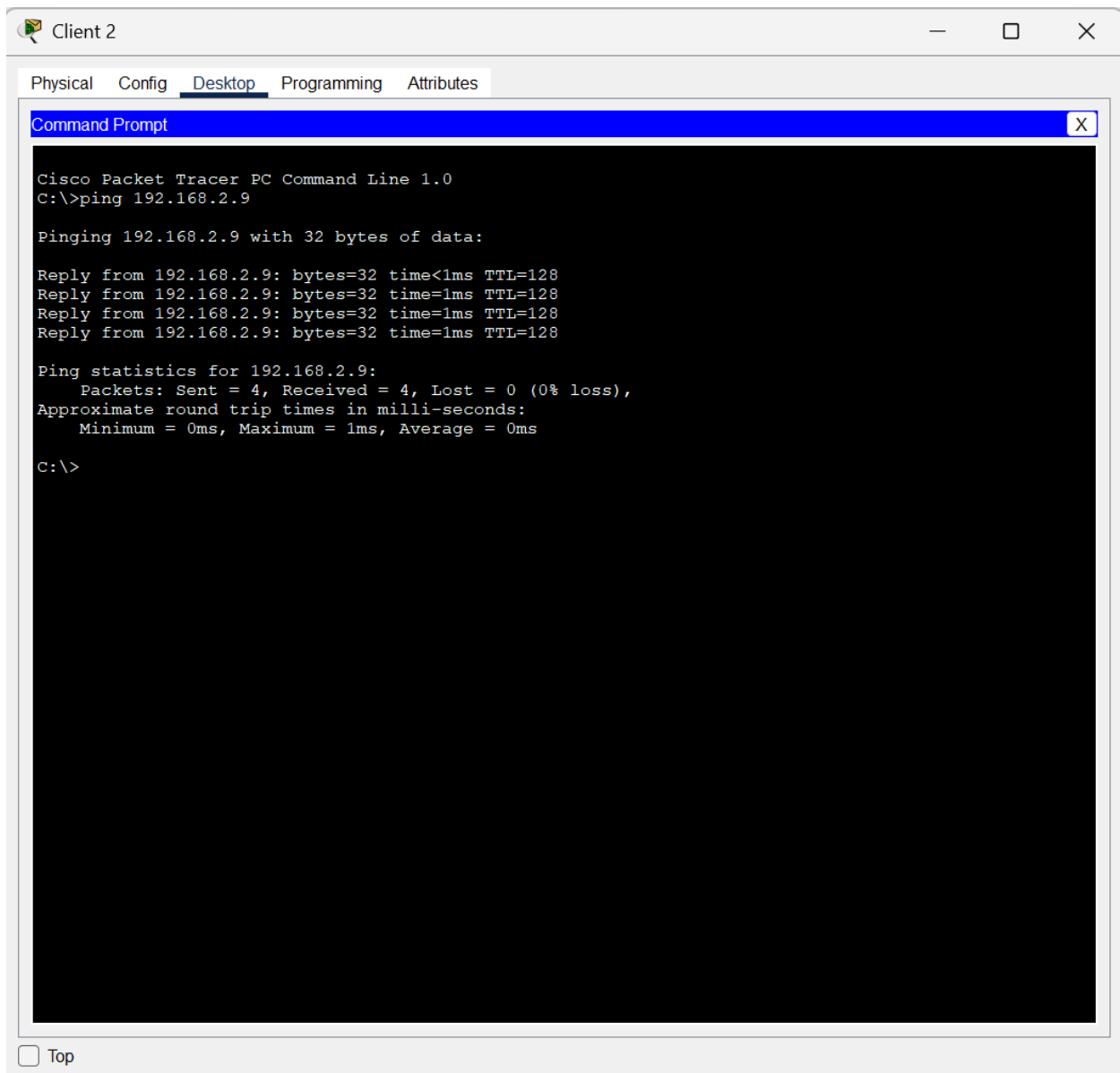
Facebook



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







Cisco Packet Tracer - C:\Users\User\Cisco Packet Tracer 8.2.2\saves\TD4Reseau.p

File Edit Options View Tools Extensions Window Help

Logical Physical x 437, y 272

2811  
Router0

296A-24TT  
Switch0

Jacme11

Laptop-PT  
Admin

PC-PT  
Client 5

PC-PT  
Client 3

PC-PT  
Client 2

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:\>

Server-PT  
Server Web

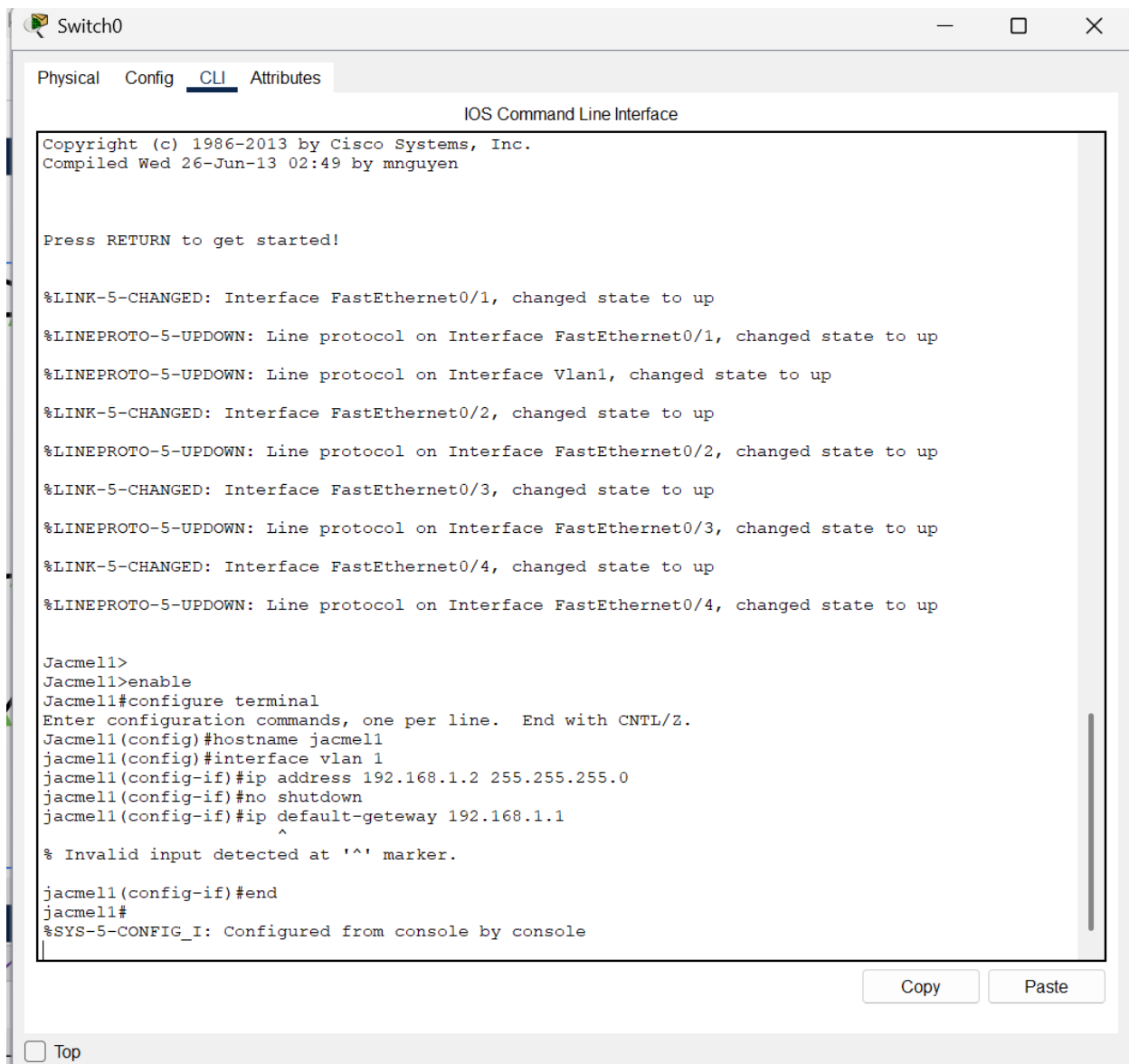
Server-PT  
Server Mail

Server-PT  
dns

alttime Simulation

Edit (edit) Delete (delete)

Ici je fais la configuration d'un switch c'est ainsi je fais pour les autres switches.

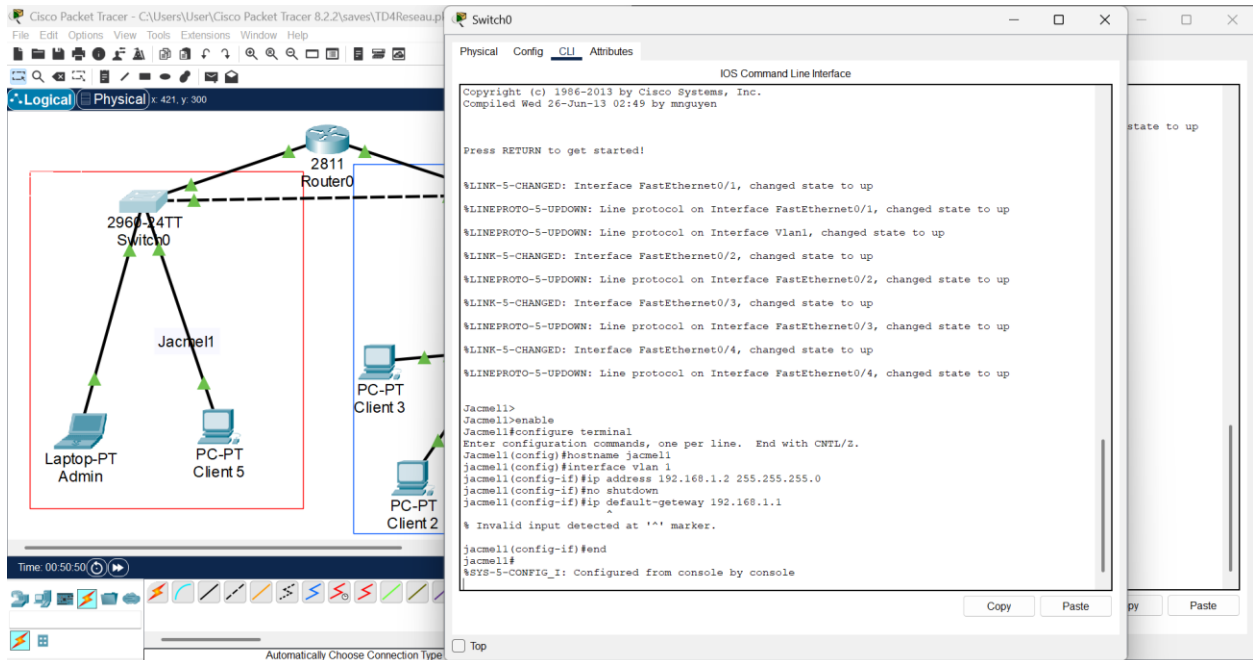


The screenshot shows a window titled "Switch0" with tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface". The text in the CLI window includes copyright information, a prompt to press RETURN, status messages for interfaces FastEthernet0/1 through 0/4, and a series of configuration commands for a switch named "jacmell1". The commands include enabling the terminal, setting the hostname, configuring interface "vlan 1" with IP address 192.168.1.2, no shutdown, and default gateway 192.168.1.1. An error message indicates an invalid input at the '^' marker. The configuration ends with the command "end". At the bottom of the CLI window, there are "Copy" and "Paste" buttons. Below the CLI window, there is a "Top" button.

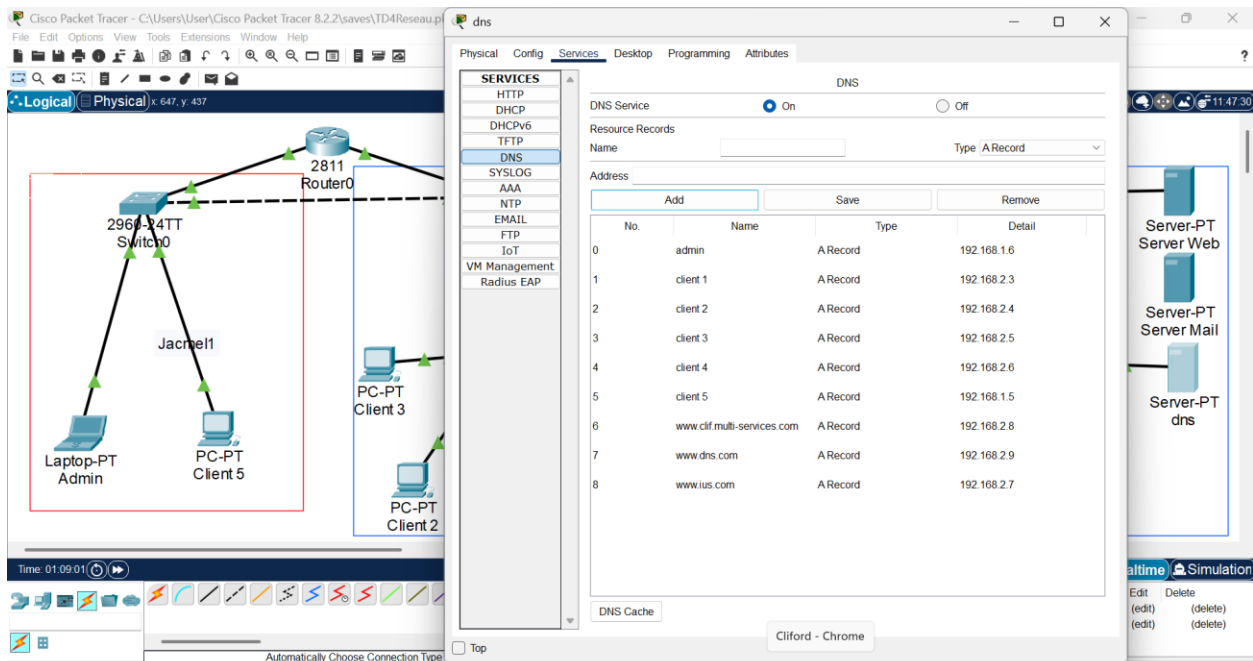
```
Copyright (c) 1986-2013 by Cisco Systems, Inc.  
Compiled Wed 26-Jun-13 02:49 by mnguyen  
  
Press RETURN to get started!  
  
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up  
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up  
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, 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  
  
Jacmell1>  
Jacmell1>enable  
Jacmell1#configure terminal  
Enter configuration commands, one per line. End with CNTL/Z.  
Jacmell1(config)#hostname jacmell1  
jacmell1(config)#interface vlan 1  
jacmell1(config-if)#ip address 192.168.1.2 255.255.255.0  
jacmell1(config-if)#no shutdown  
jacmell1(config-if)#ip default-gateway 192.168.1.1  
^  
% Invalid input detected at '^' marker.  
  
jacmell1(config-if)#end  
jacmell1#  
%SYS-5-CONFIG_I: Configured from console by console
```

☐ Top

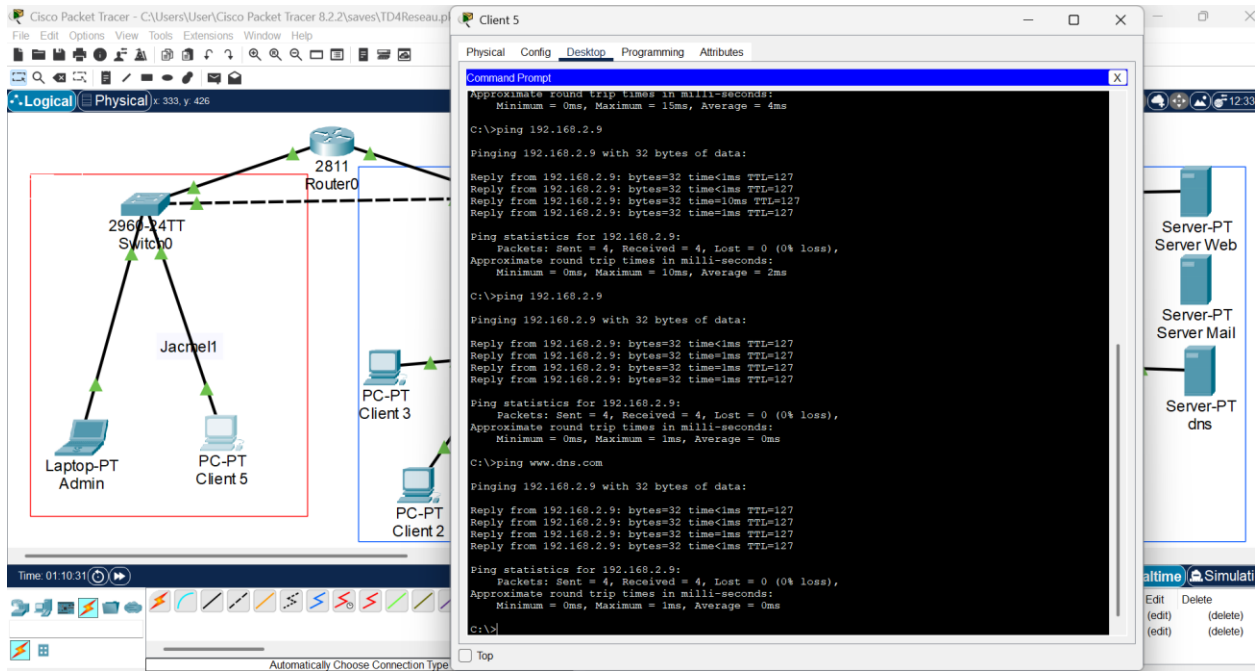


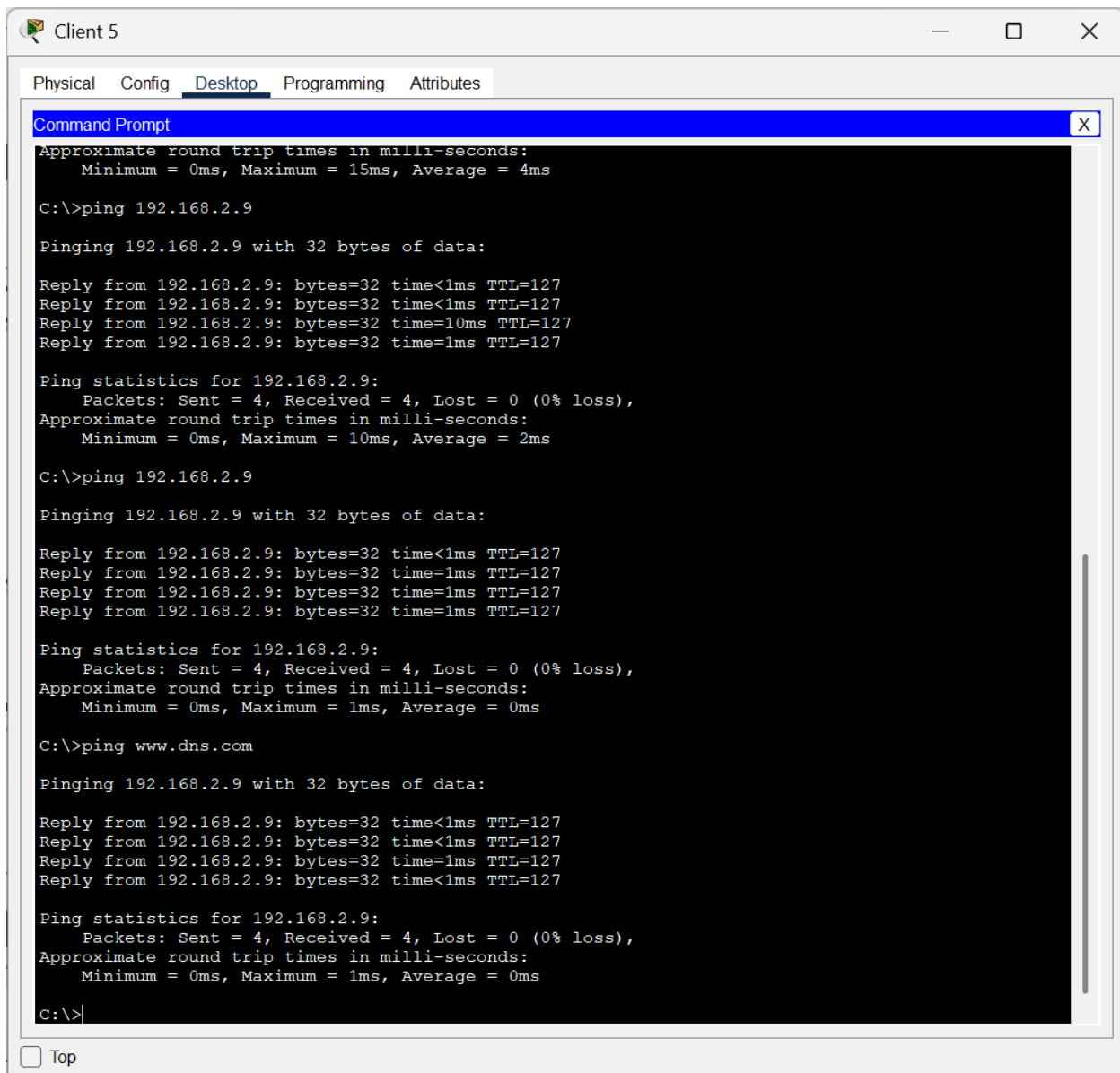


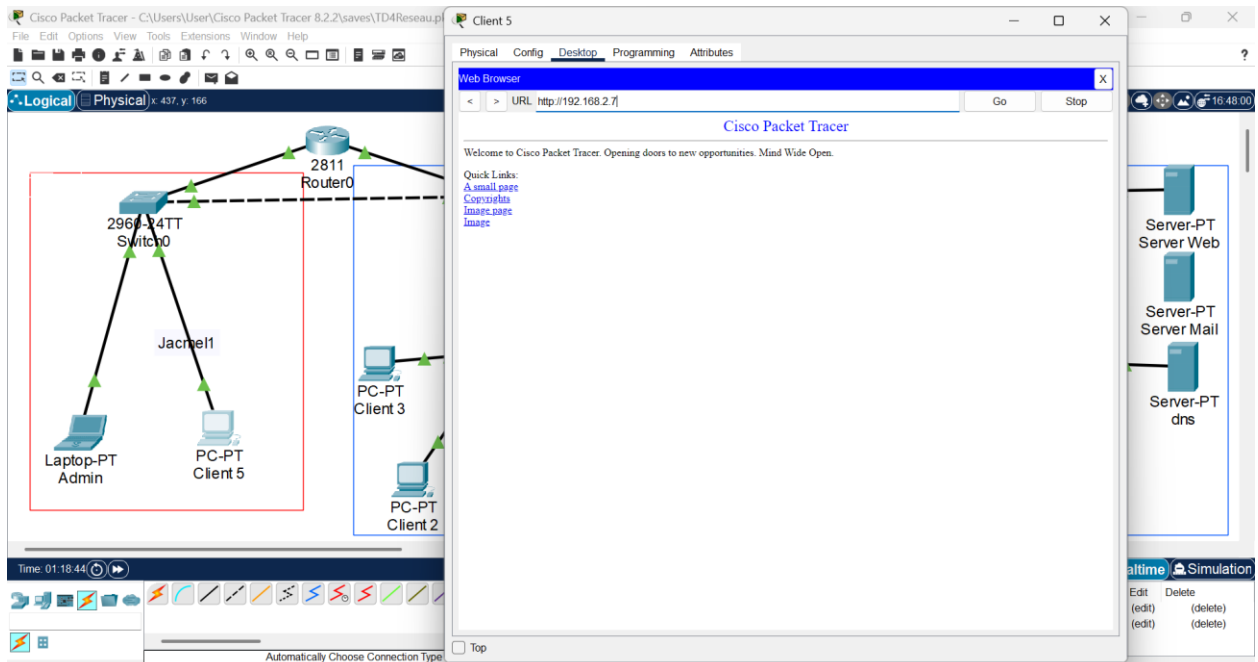
Et arriver ici je vais sur mon serveur dns puis je vais dans Services après je clique sur DNS après je fais ON pour ouvrir le DNS Services puis je add tous les composant, les PC et servers du réseau et attribuant des noms.



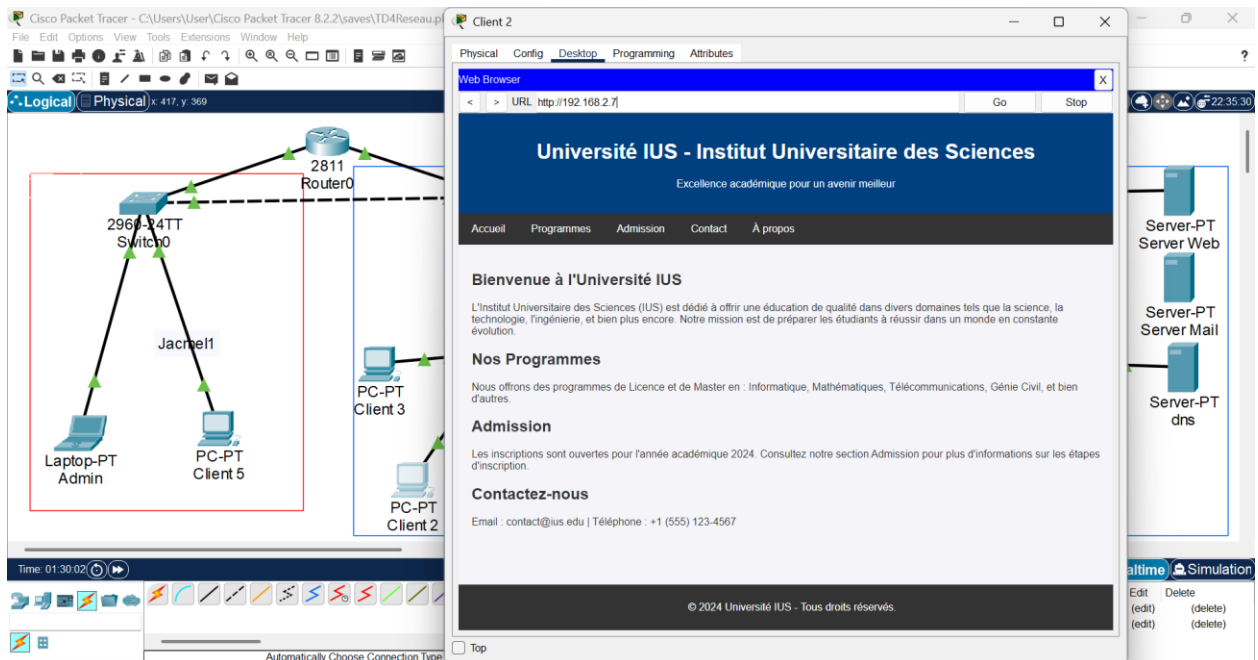
Puis je vais tester si c'est en communication avec le nom donné avec mon server dns et bien évidemment c'est en communication.







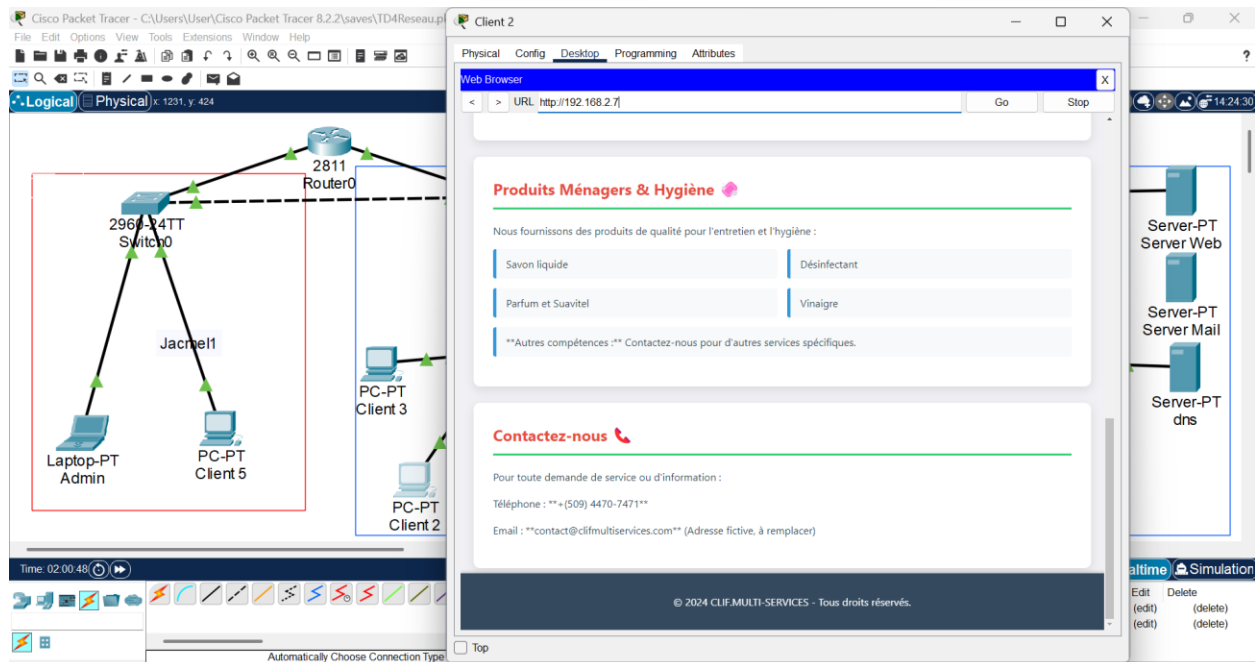
Ça marche avec l'apparition de mon site web



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

The screenshot shows a Cisco Packet Tracer environment. On the left, a network topology is visible with a 2811 Router0 connected to a 2961-X4TT Switch0. The switch is connected to Laptop-PT Admin, PC-PT Client 5, and PC-PT Client 2. PC-PT Client 3 is also connected to the router. On the right, a web browser window titled 'Client 2' displays the CLIF.MULTI-SERVICES website. The website has a red header with the company name and tagline 'Votre partenaire unique pour la Technologie, le Service et la Créativité'. Below the header is a navigation menu with links: Accueil, Technologie, Services à la Personne, Produits, and Contact. The main content area features a section titled 'Une solution, une équipe, de multiples compétences' followed by a paragraph describing the company's services. Below this is a section titled 'Expertise Informatique & Ingénierie' with two columns of services: 'Réseau et Systèmes' and 'Cybersécurité'. The footer of the website states '© 2024 CLIF.MULTI-SERVICES - Tous droits réservés.'.

This screenshot is similar to the one above, showing the same network topology in Cisco Packet Tracer. However, the web browser window 'Client 2' now displays a different version of the CLIF.MULTI-SERVICES website. The 'Expertise Informatique & Ingénierie' section remains, but the 'Services à Domicile & Créativité' section has been added below it. This new section includes four columns of services: 'Service Surprise', 'Électricité', 'Plomberie et Carrelage', and 'Coupe de Cheveux à Domicile'. The footer remains the same: '© 2024 CLIF.MULTI-SERVICES - Tous droits réservés.'.



## 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 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.