



Cours : Réseaux 1

Soumis au chargé de cours : Ismaël SAINT AMOUR

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Date : 17 Novembre 2024

Réseaux 1

Configuration des adresses IP sur les commutateurs (Switch) , les routeurs dans un réseau et configuration d'un serveur HTTP \ HTTPS avec Cisco Packet Tracer.

TD 3

Objectif :

Ce TD vous permettra de configurer les adresses IP pour gérer et communiquer à travers le réseau:

1. Configurer une adresse IP sur un **commutateur** pour le gérer via le réseau.
2. Configurer des adresses IP sur les **interfaces d'un routeur** pour permettre la communication entre différents réseaux.
3. Configurer un serveur web avec des services HTTP et HTTPS.
4. Tester la connectivité et accéder aux services HTTP et HTTPS via le navigateur d'un PC dans Cisco Packet Tracer.

Travaux Dirigés :

Contenu du rapport

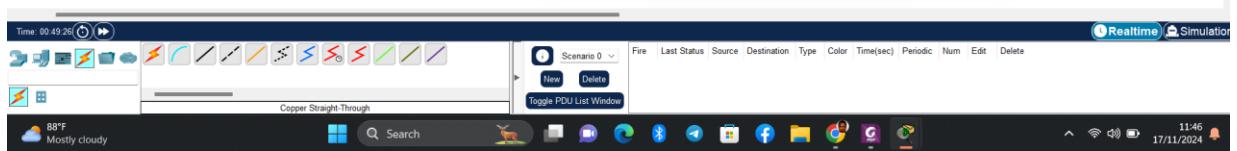
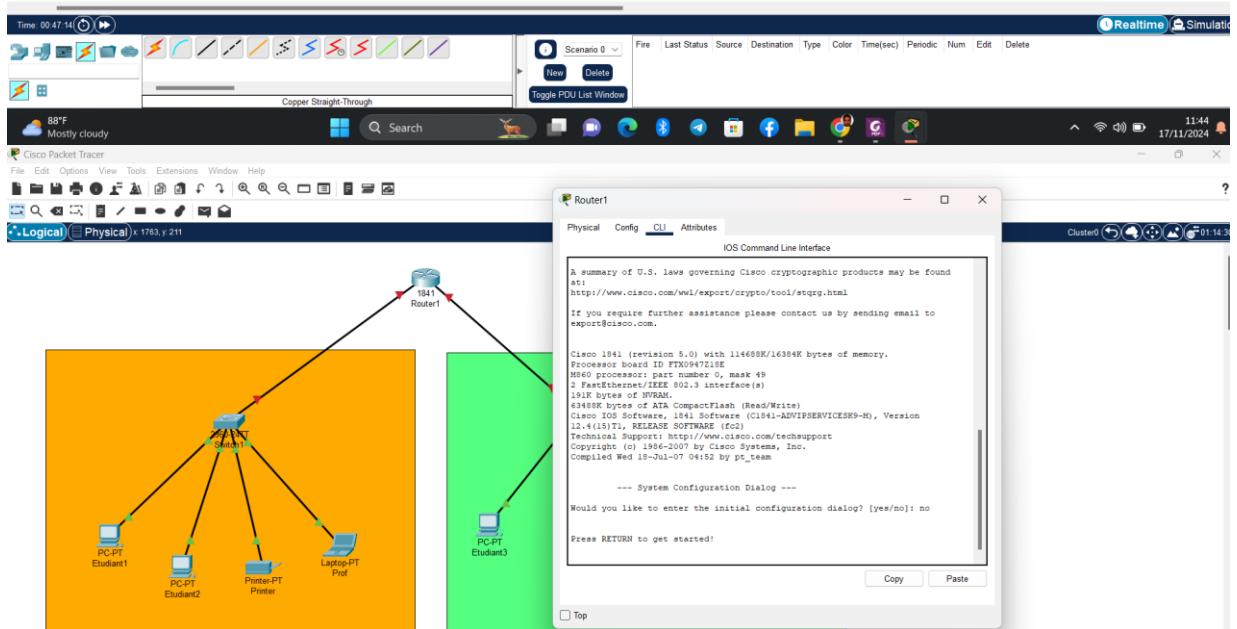
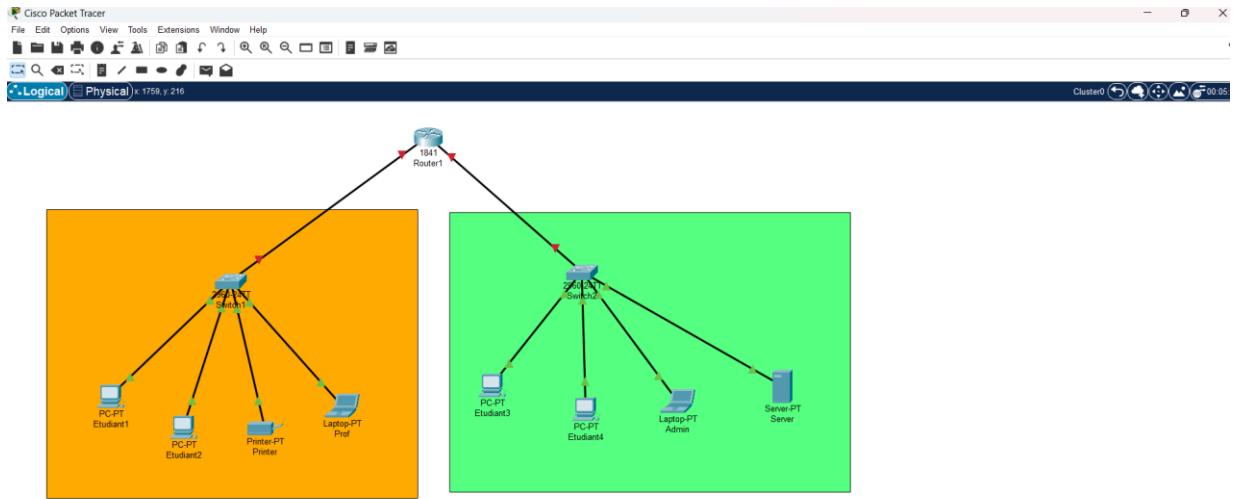
Le rapport doit inclure :

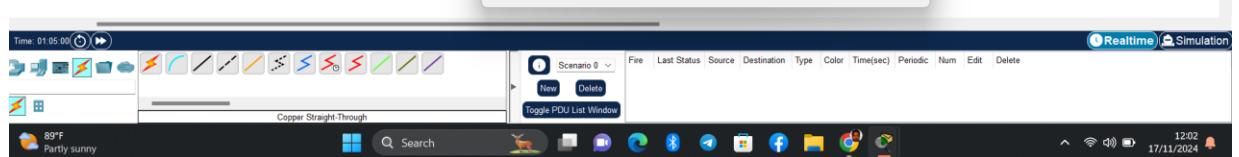
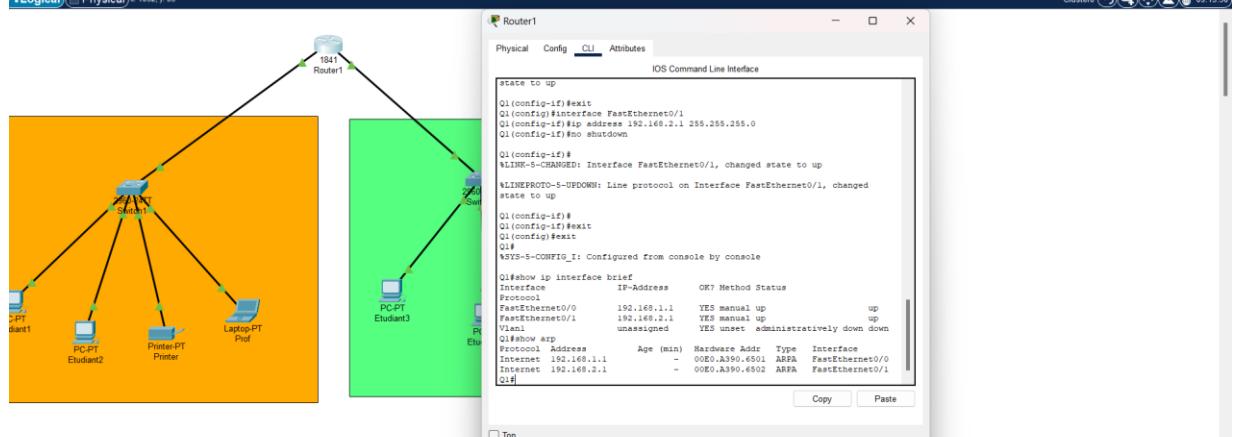
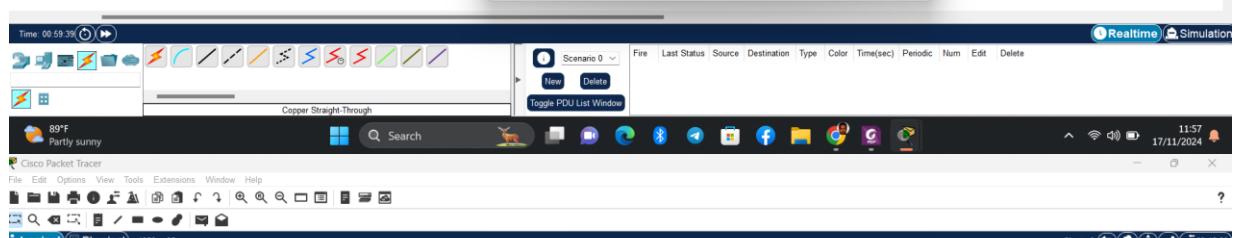
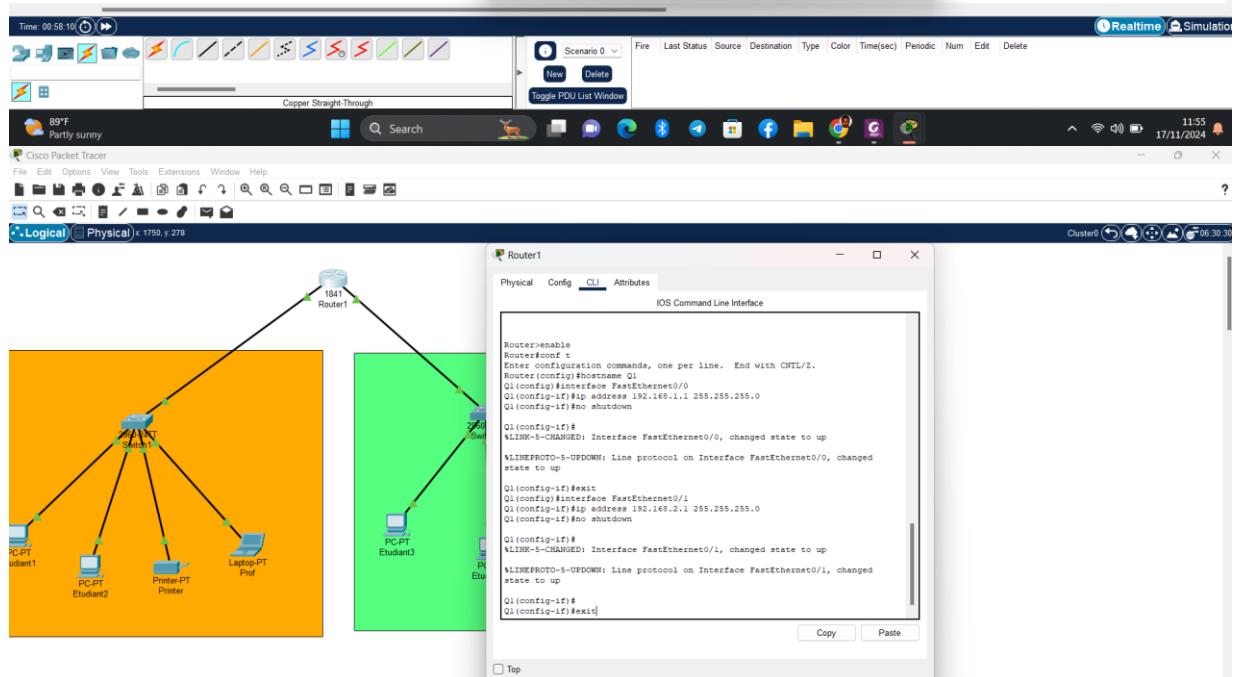
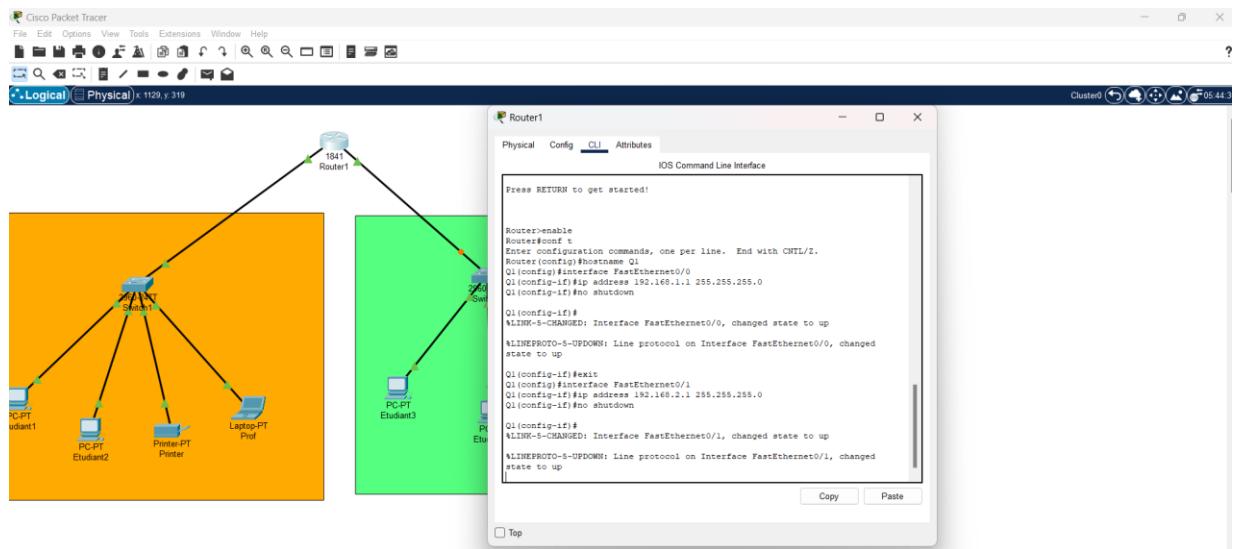
1. Une page de couverture.
2. Une description des résultats de la tâche.
3. Les résultats de l'exécution des commandes (captures d'écran).
4. Les conclusions sur la tâche accomplie.
5. Hébergez le rapport de travail au format Word et PDF, le fichier pkt, ainsi que les images sur GitHub.

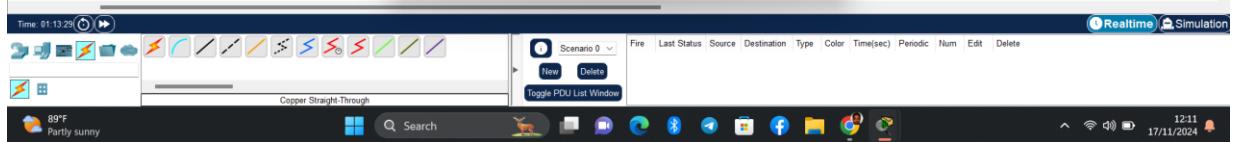
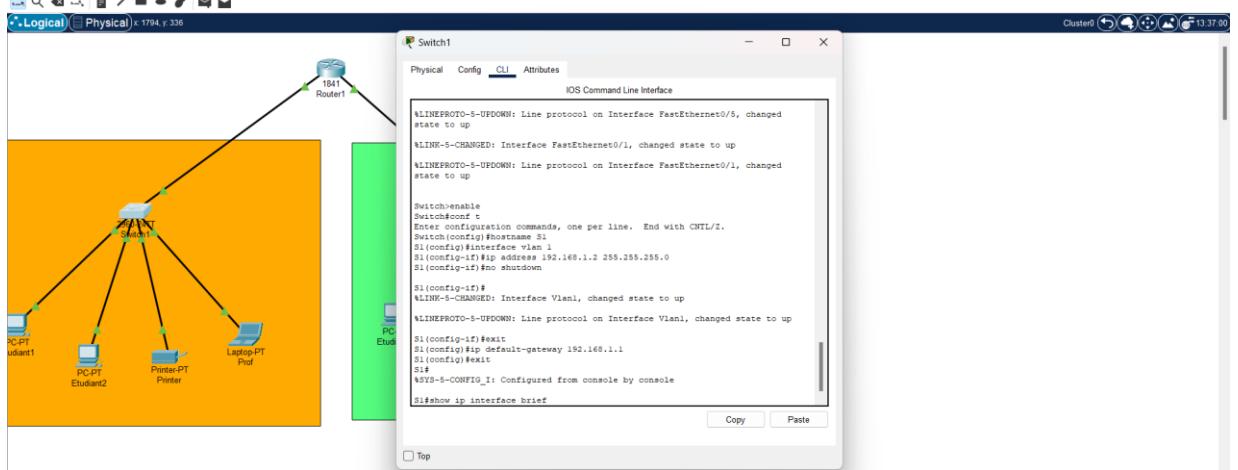
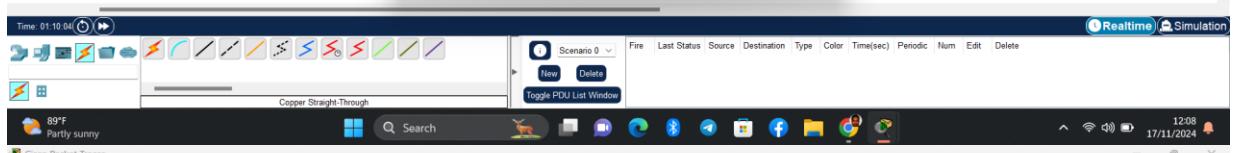
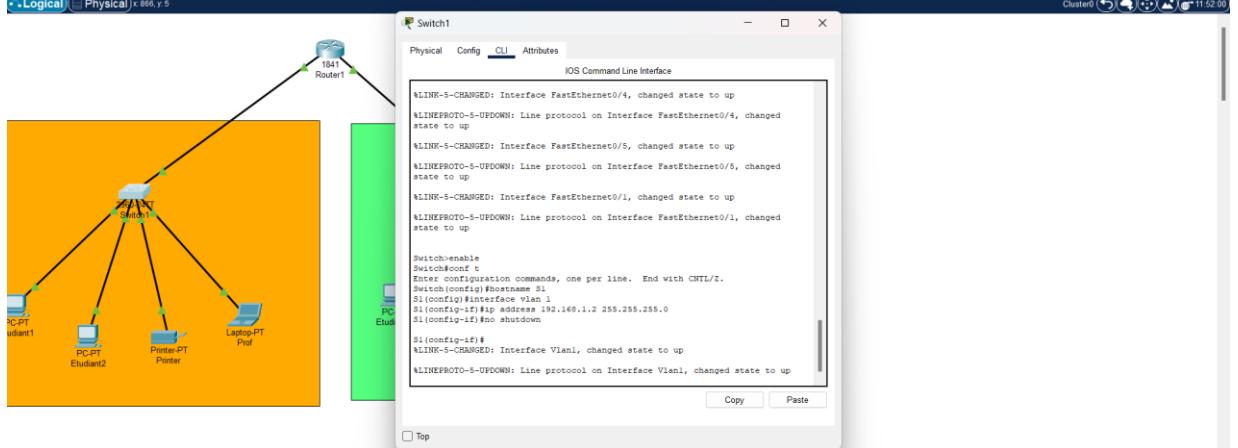
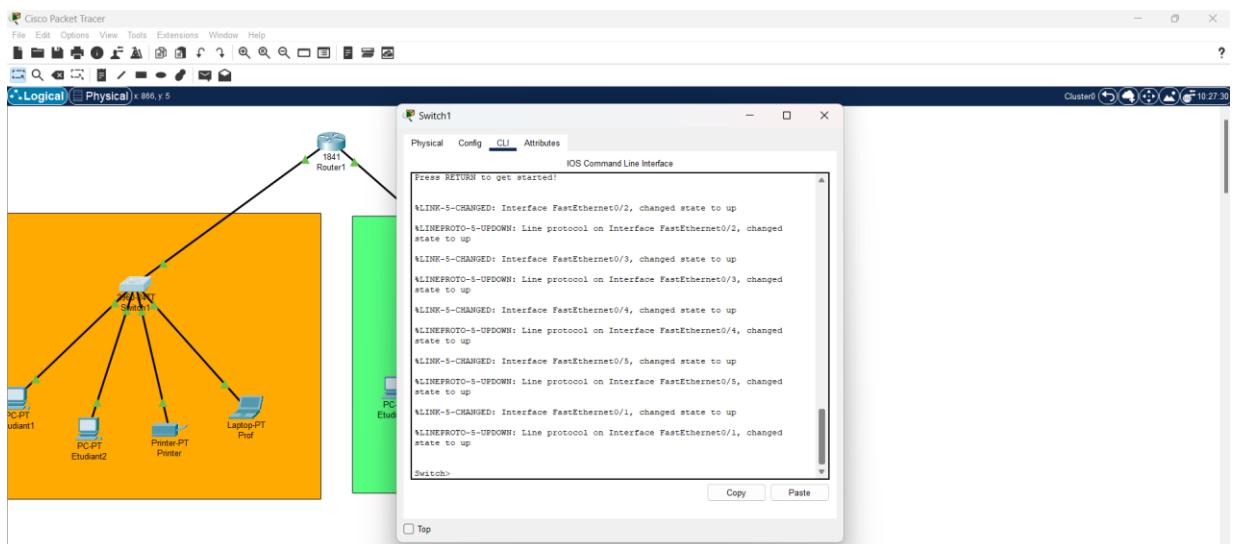
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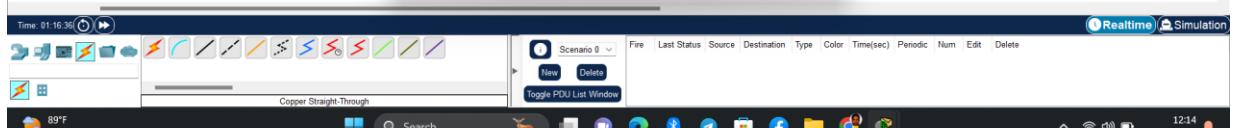
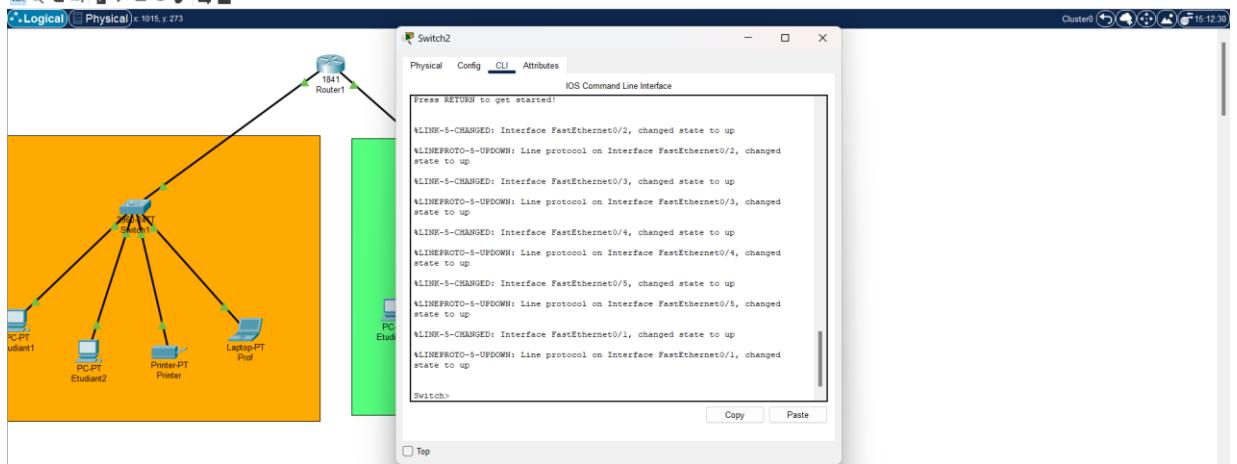
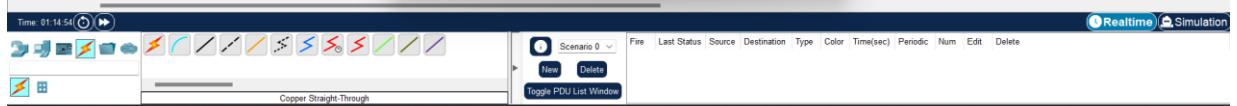
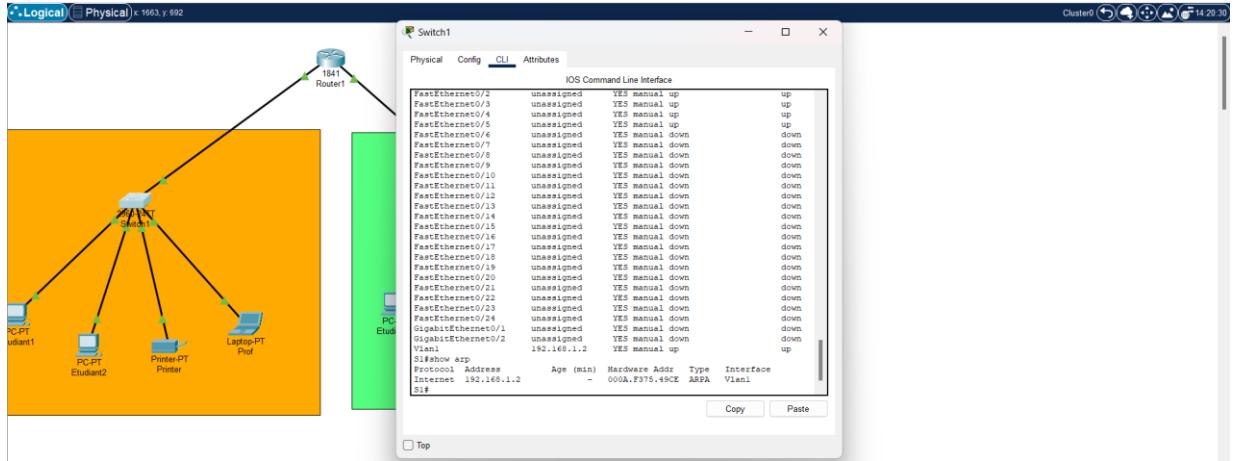
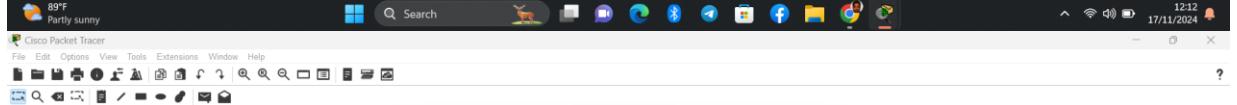
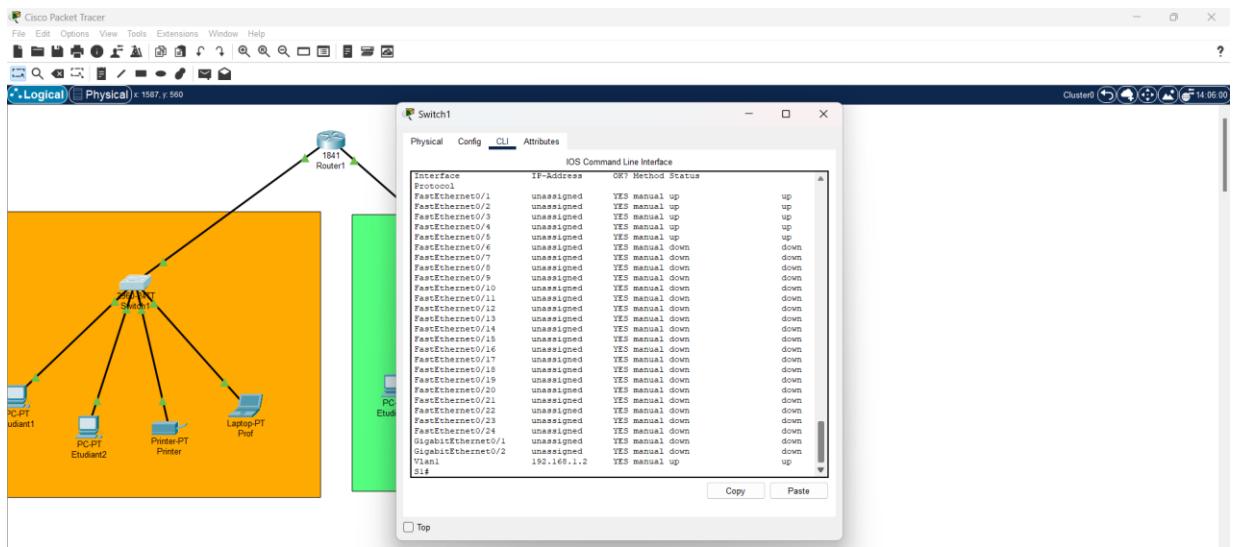
Configuration des adresses IP sur les commutateurs (Switch), les routeurs dans un réseau et configuration d'un serveur HTTP avec Cisco Packet Tracer.

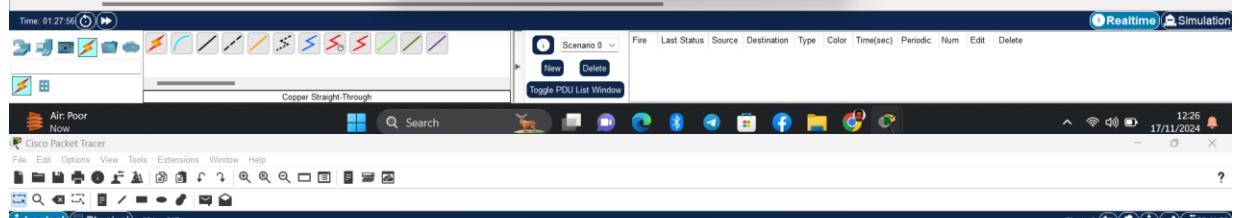
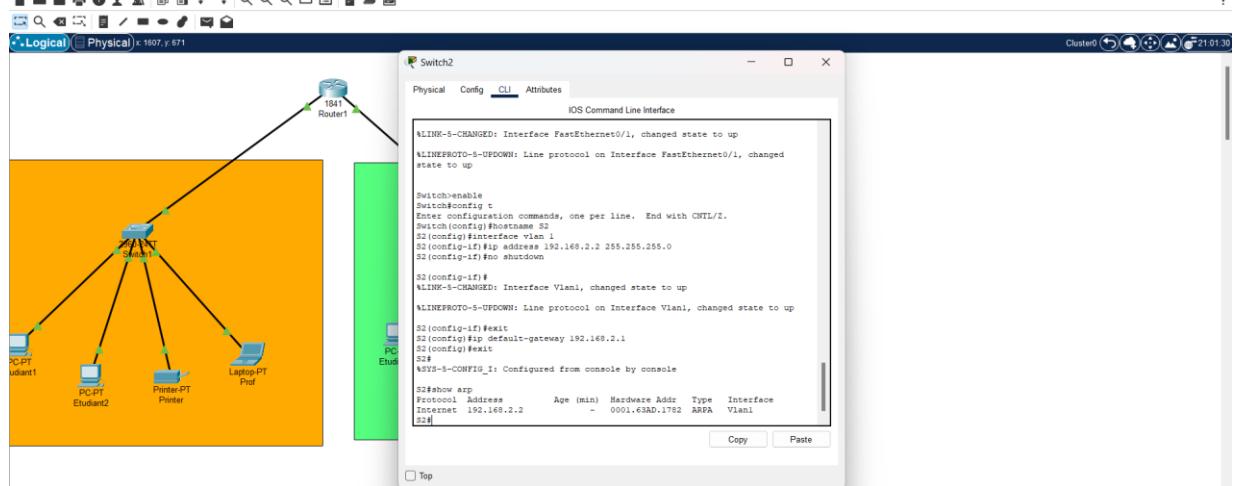
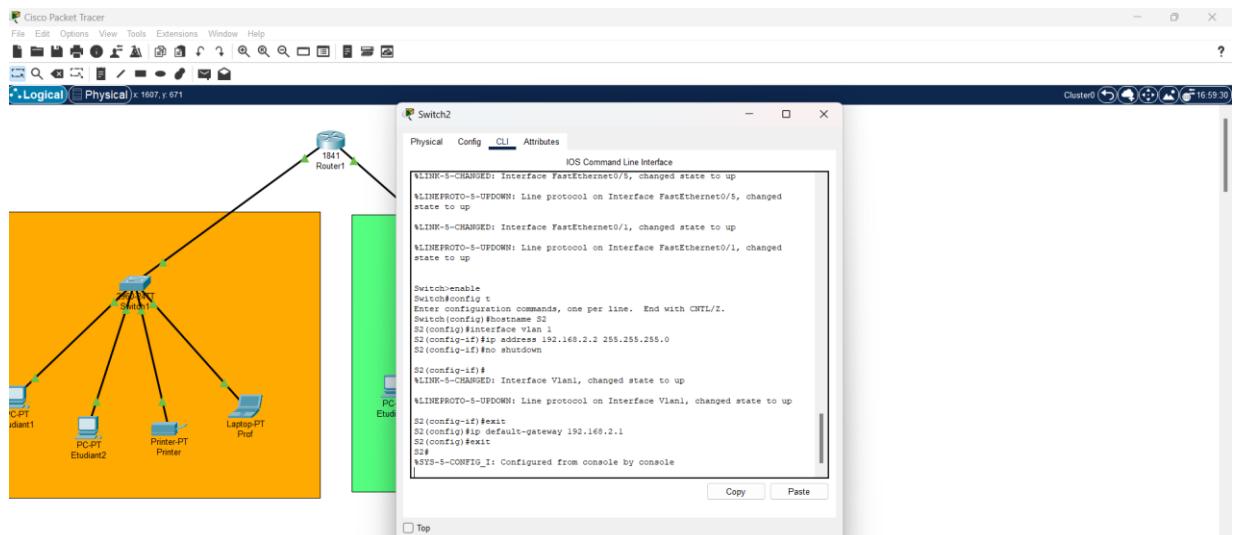
1. Reproduisez cette topologie, configuez le routeur, les commutateurs, les adresses IP et testez la connectivité.

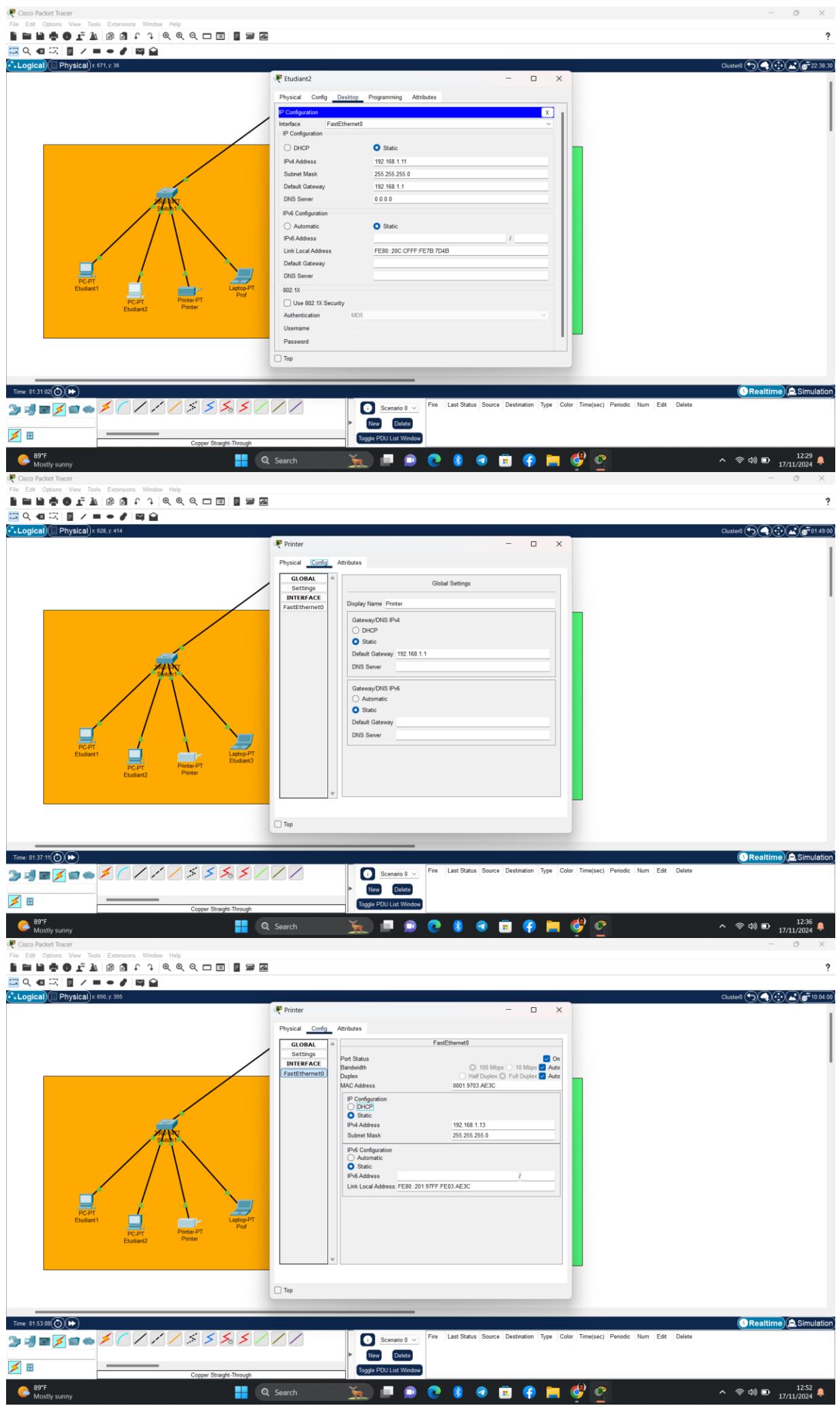


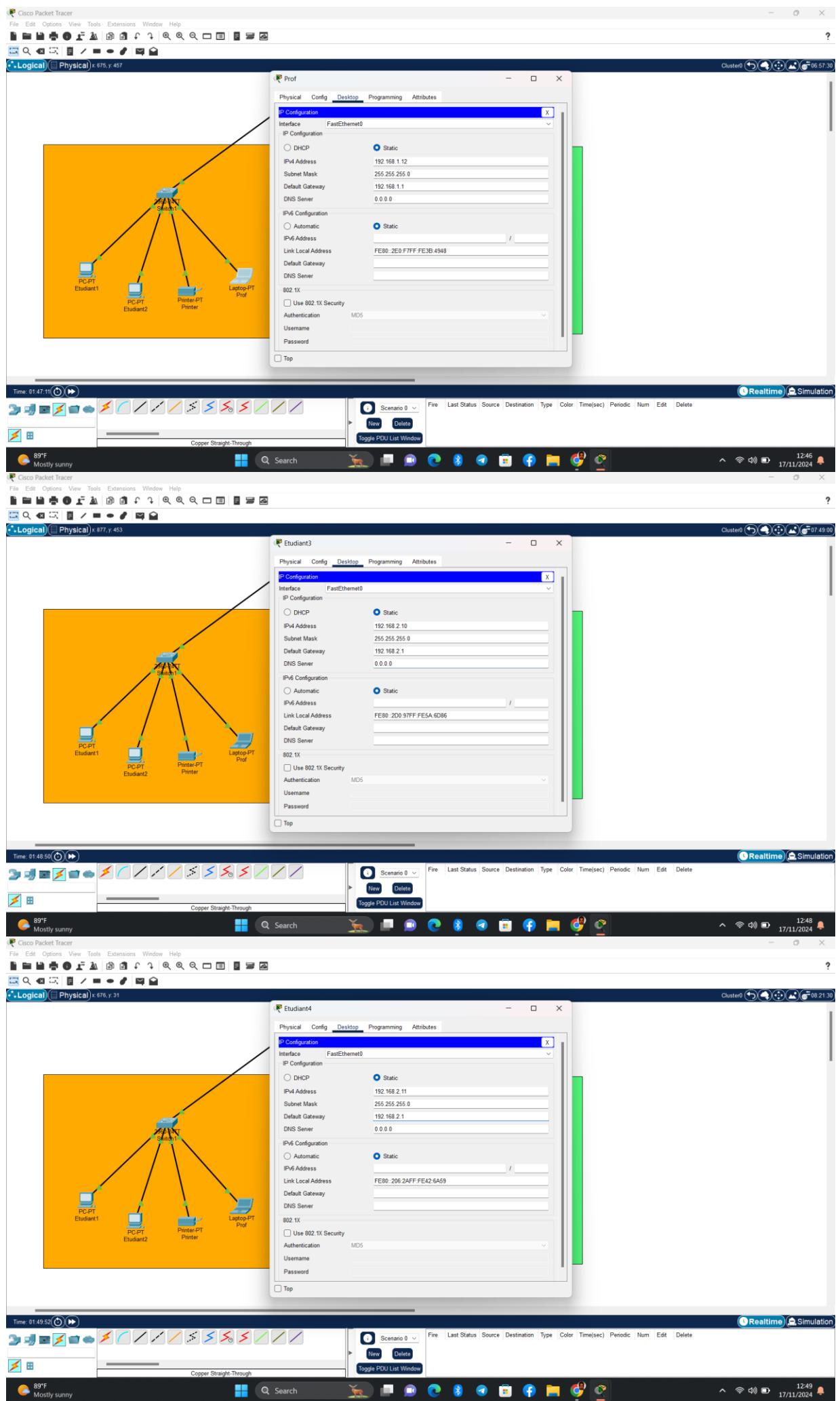












Logical **Physical** x:1173, y: 479

Admin

Physical **Config** **Desktop** **Programming** **Attributes**

IP Configuration

Interface: FastEthernet0

DHCP Static

IPv4 Address: 192.168.2.12
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.2.1
DNS Server: 0.0.0.0

IPv6 Configuration

Automatic Static

IPv6 Address: FE80::204:9AFF:FE0E:497A
Link Local Address:
Default Gateway:
DNS Server:

802.1X
 Use 802.1X Security
Authentication: MD5
Username:
Password:
 Top

Realtime **Simulation**

Time: 01:50:20

Copper Straight-Through

89°F Mostly sunny

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Search

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Logical **Physical** x: 293, y: 72

Server

Physical **Config** **Services** **Desktop** **Programming** **Attributes**

IP Configuration

Interface: FastEthernet0

DHCP Static

IPv4 Address: 192.168.2.13
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.2.1
DNS Server: 0.0.0.0

IPv6 Configuration

Automatic Static

IPv6 Address: FE80::2E0:9FFF:FED9:81B1
Link Local Address:
Default Gateway:
DNS Server:

802.1X
 Use 802.1X Security
Authentication: MD5
Username:
Password:
 Top

Realtime **Simulation**

Time: 01:54:56

Copper Straight-Through

89°F Mostly sunny

Cisco Packet Tracer

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Logical **Physical** x: 687, y: 3

Server

Physical **Config** **Services** **Desktop** **Programming** **Attributes**

SERVICES

- HTTP: On Off
- HTTPS: On Off
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius/EAP

HTTP

File Manager	File Name	Edit	Delete
1. copyrights.html	(edit)	(delete)	
2. ciscoptologo177x111.jpg		(delete)	
3. helloworld.html	(edit)	(delete)	
4. image.html	(edit)	(delete)	
5. index.html	(edit)	(delete)	

New File Import

Realtime **Simulation**

Time: 01:59:15

Copper Straight-Through

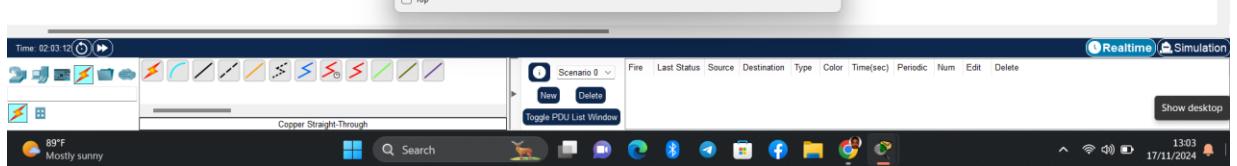
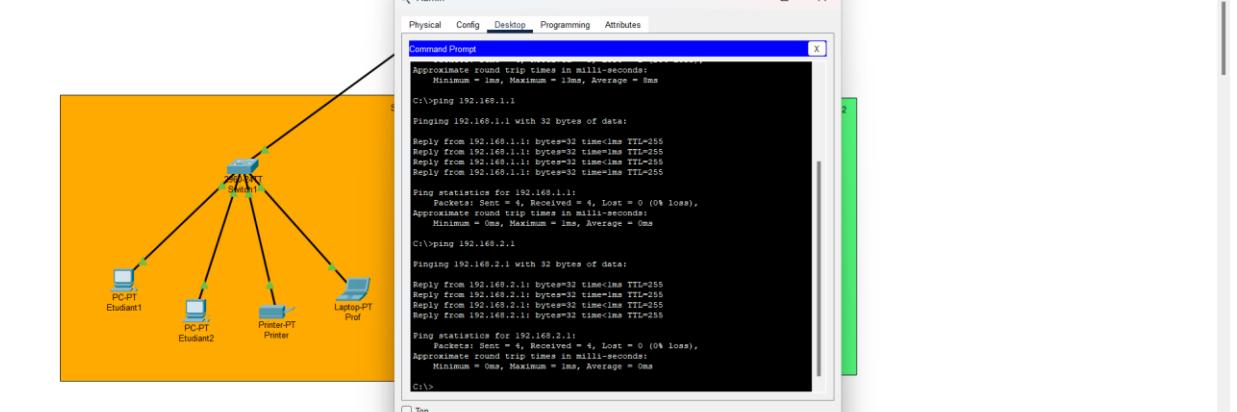
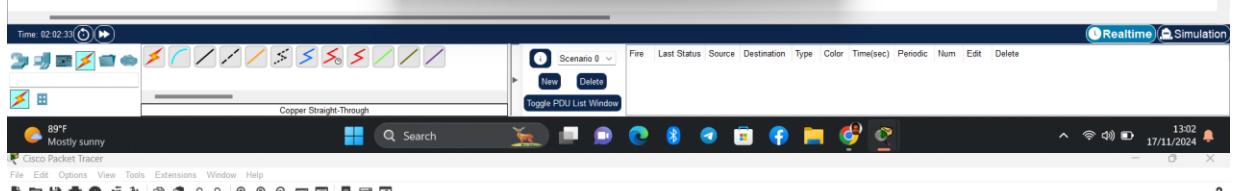
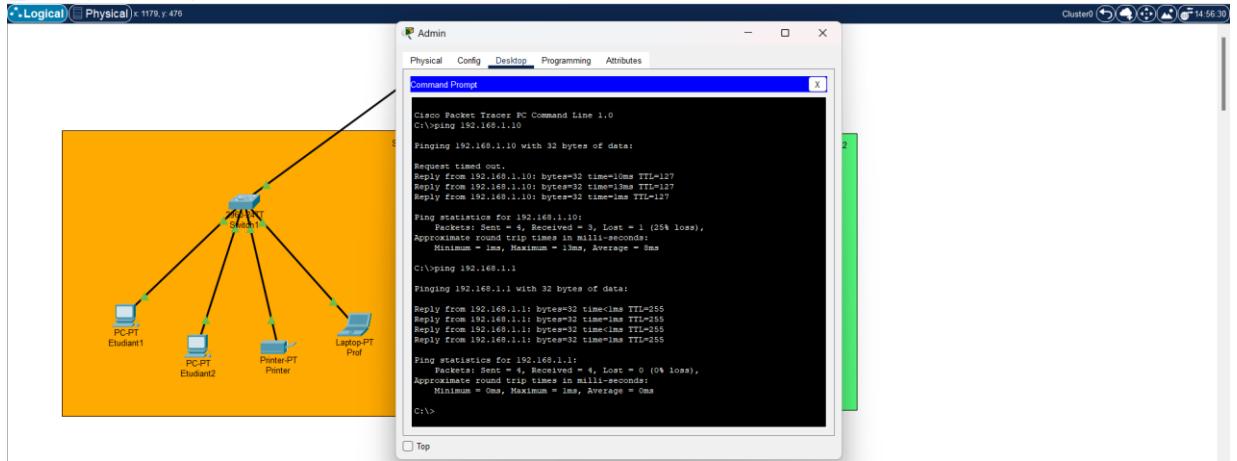
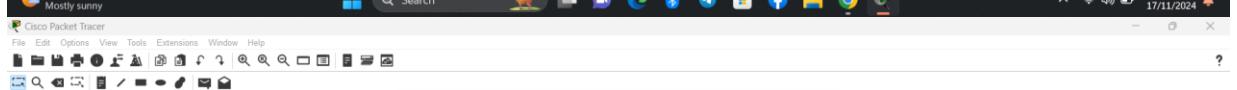
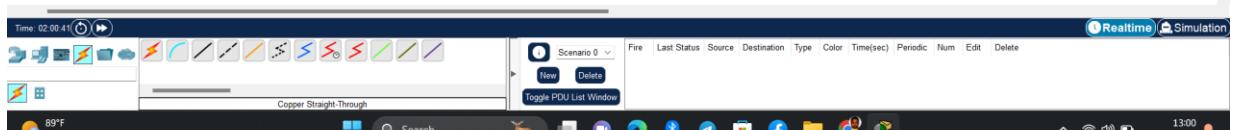
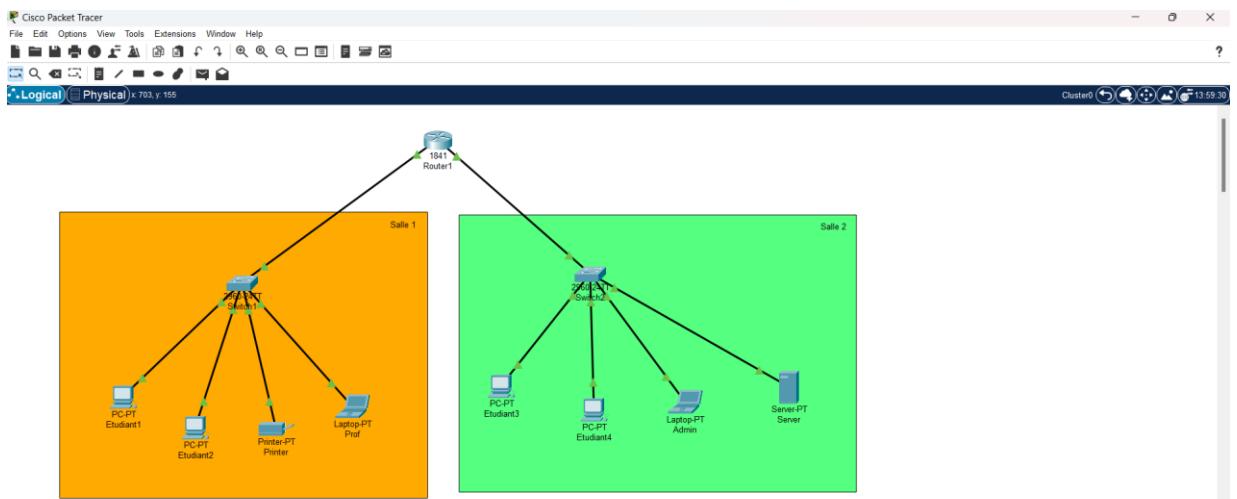
89°F Mostly sunny

Cisco Packet Tracer

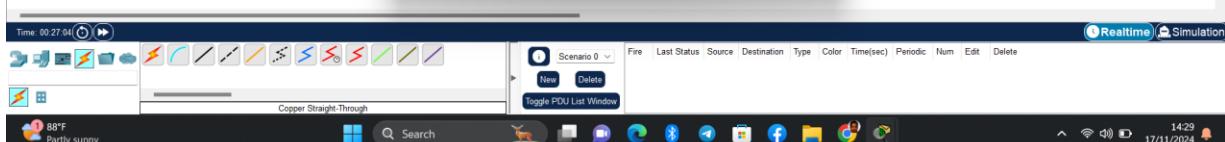
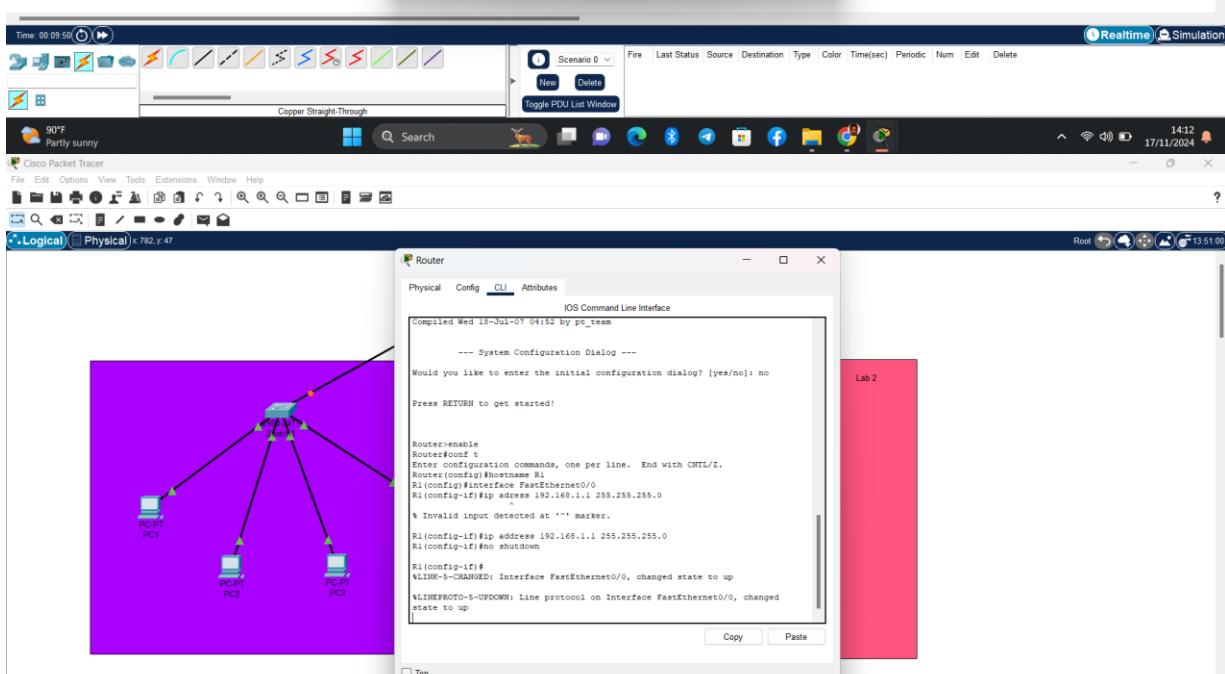
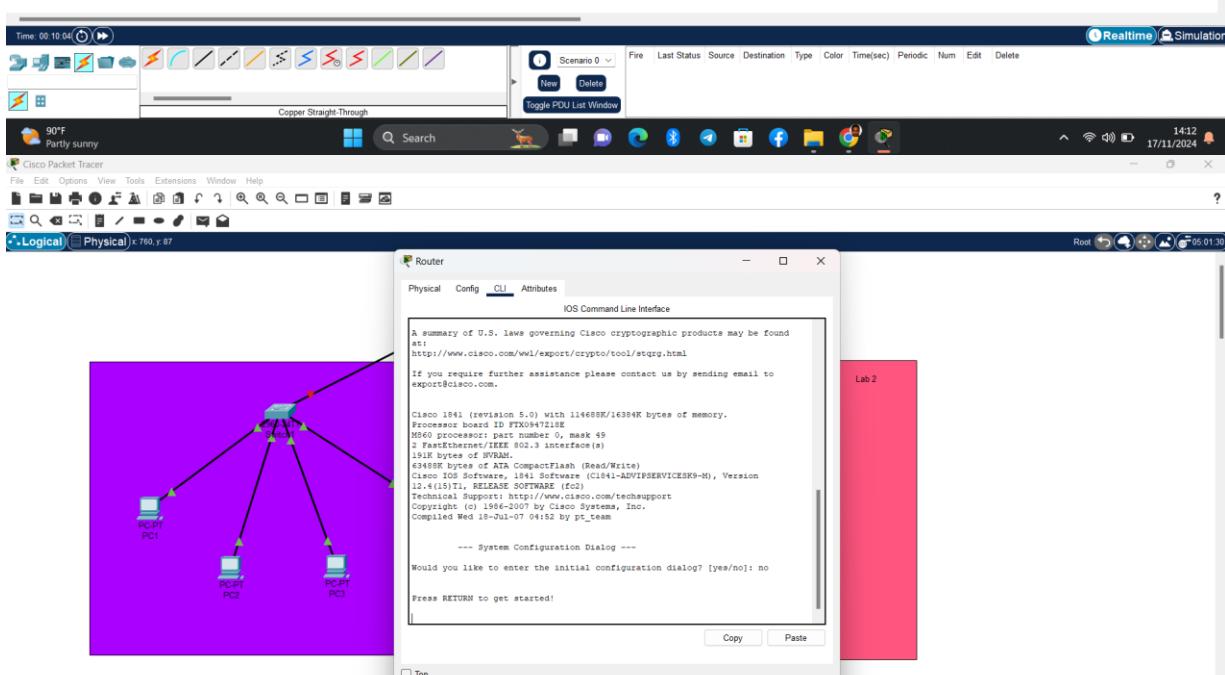
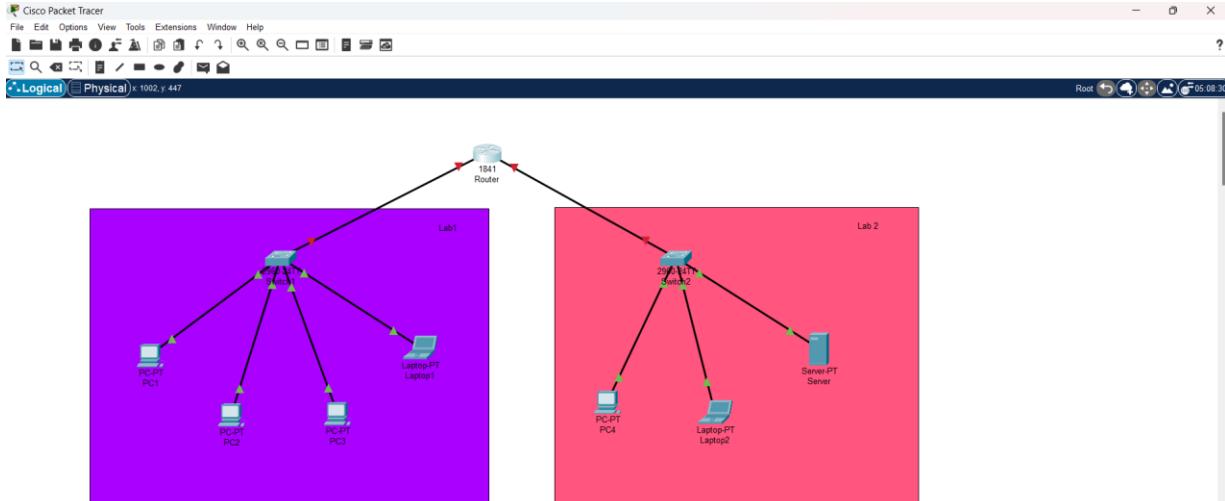
File Edit Options View Tools Extensions Window Help

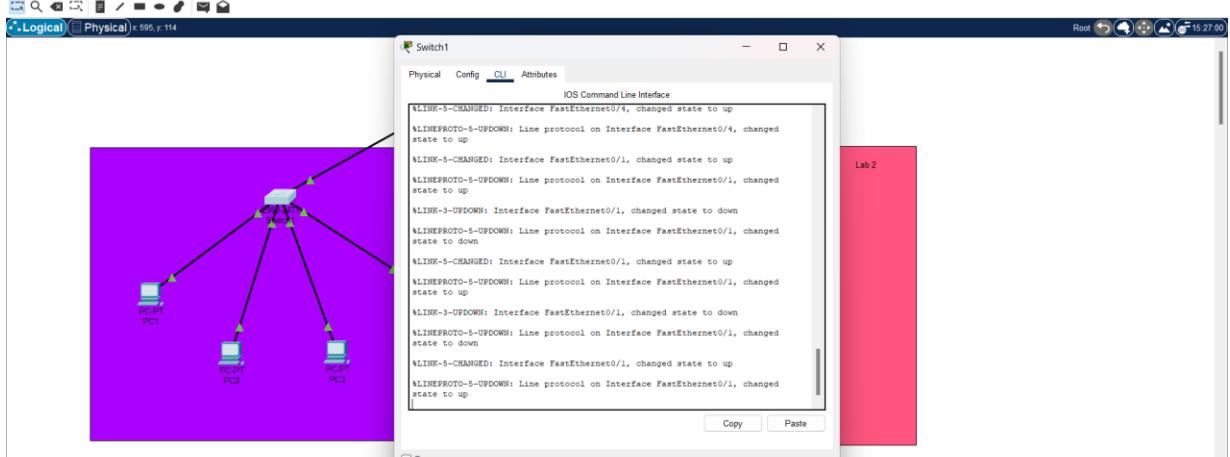
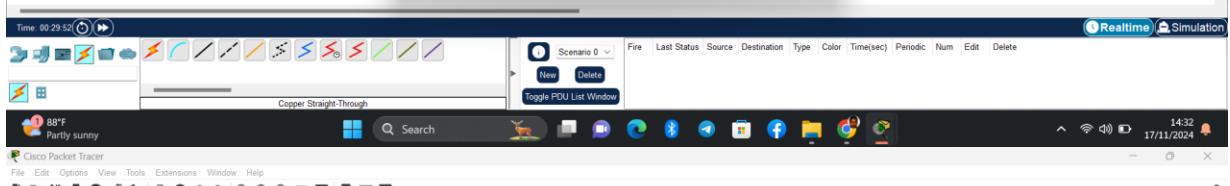
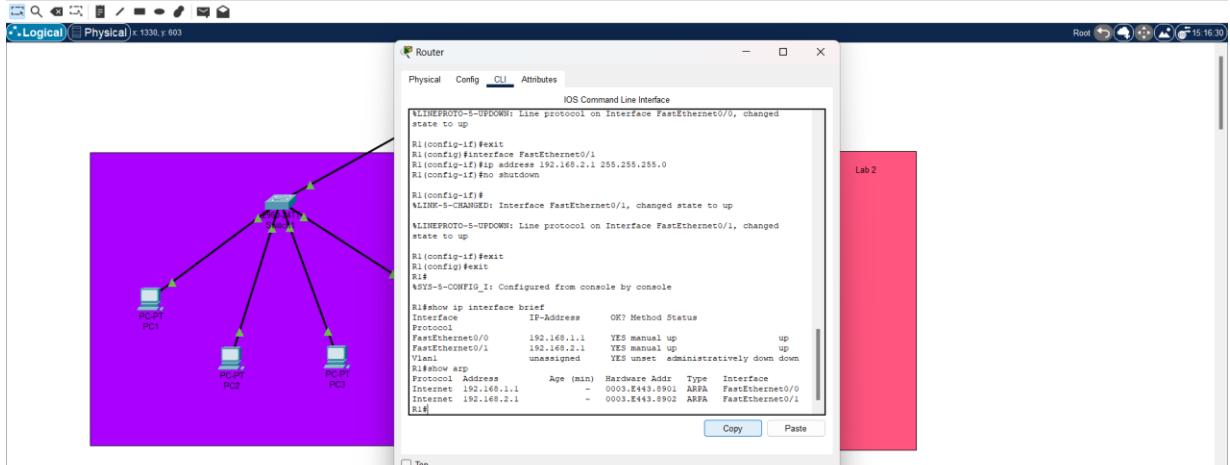
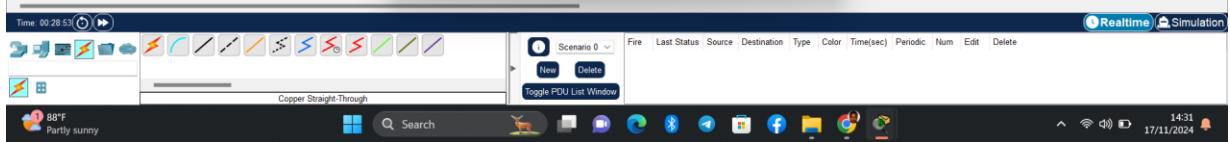
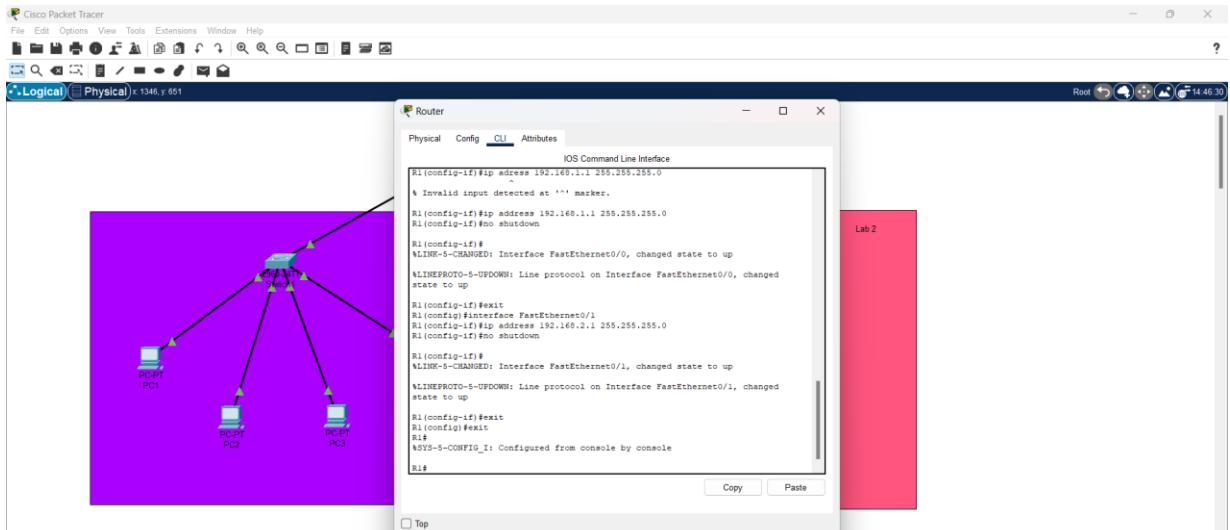
Search

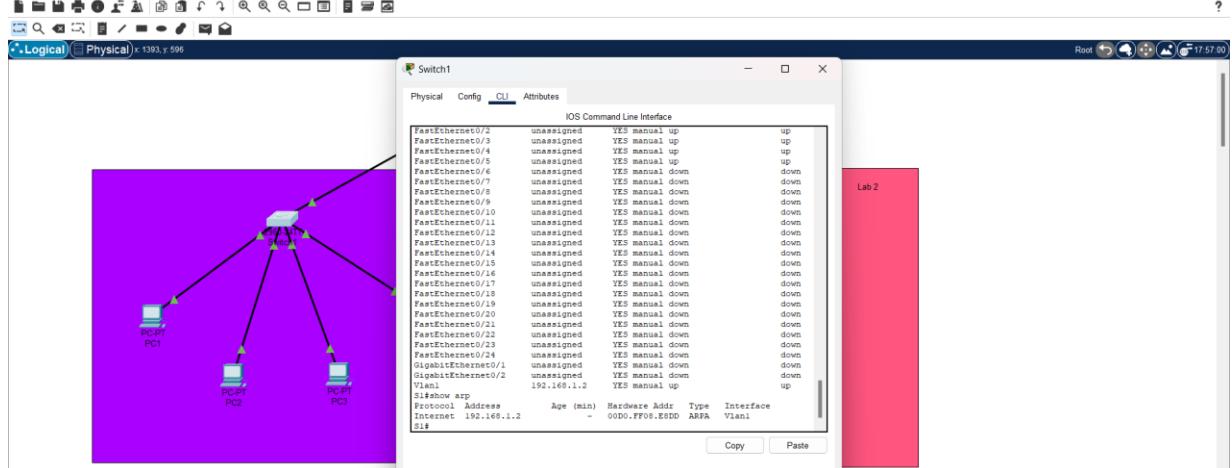
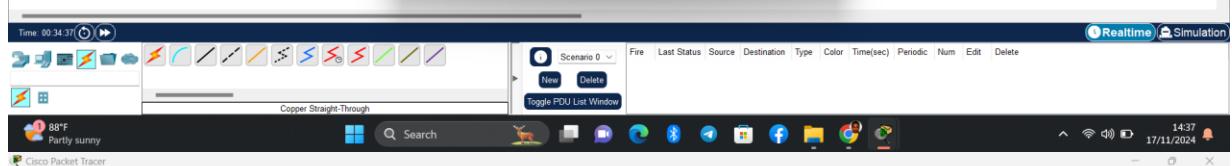
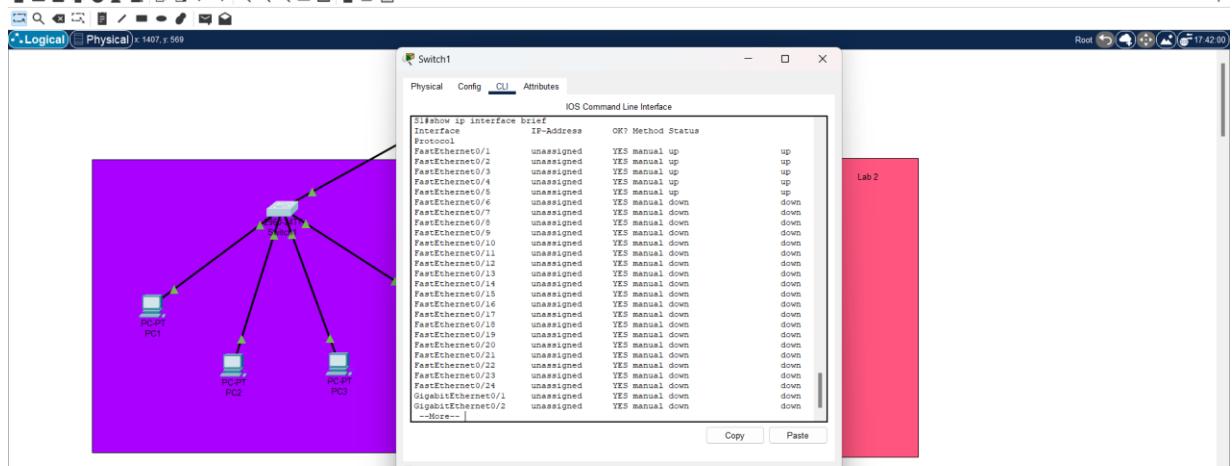
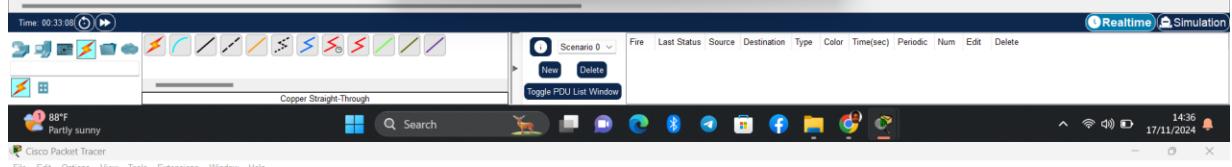
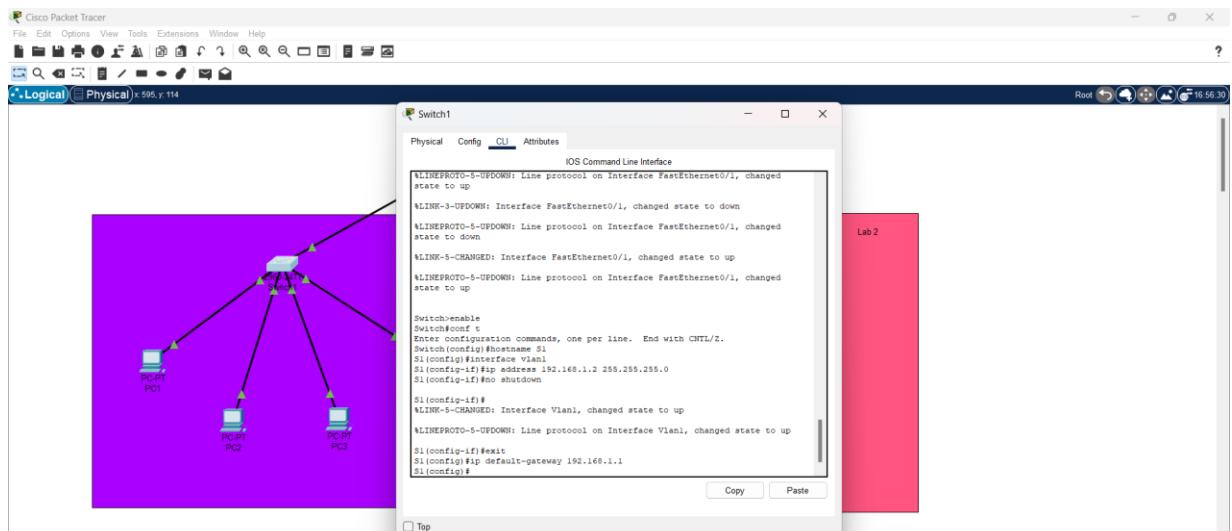
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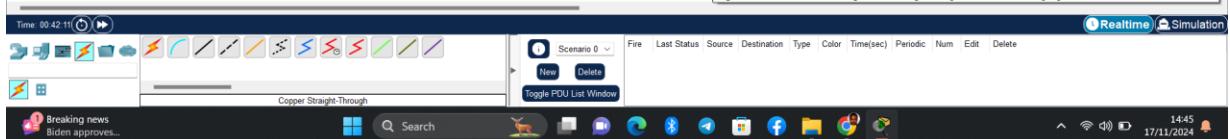
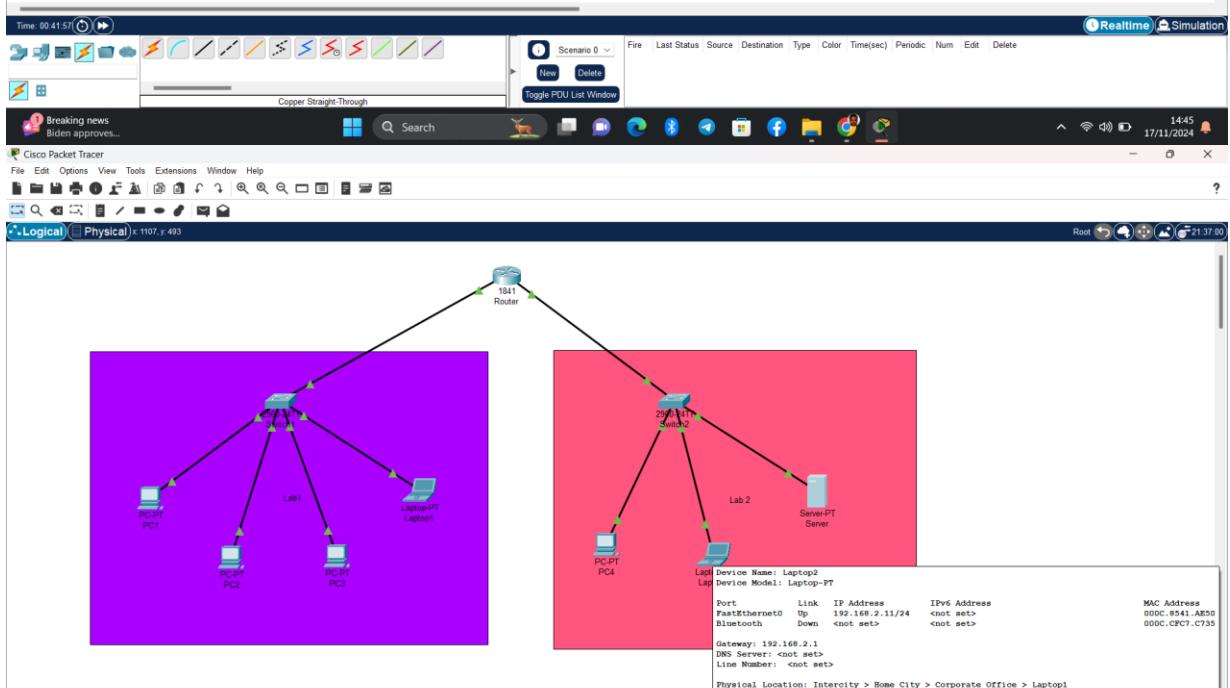
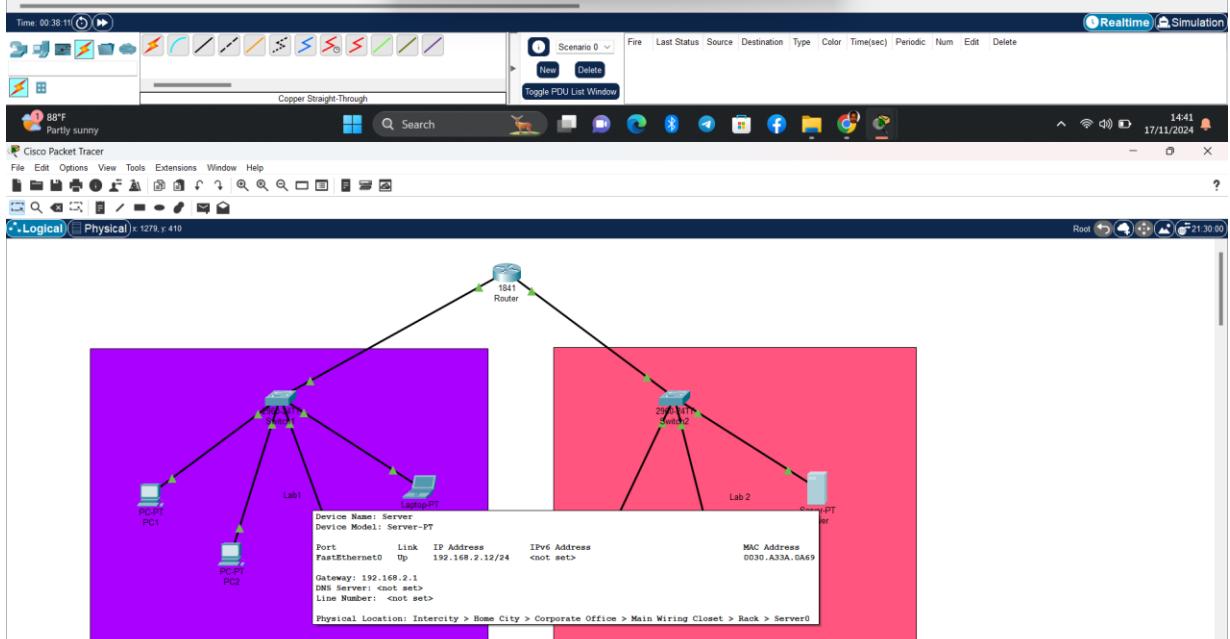
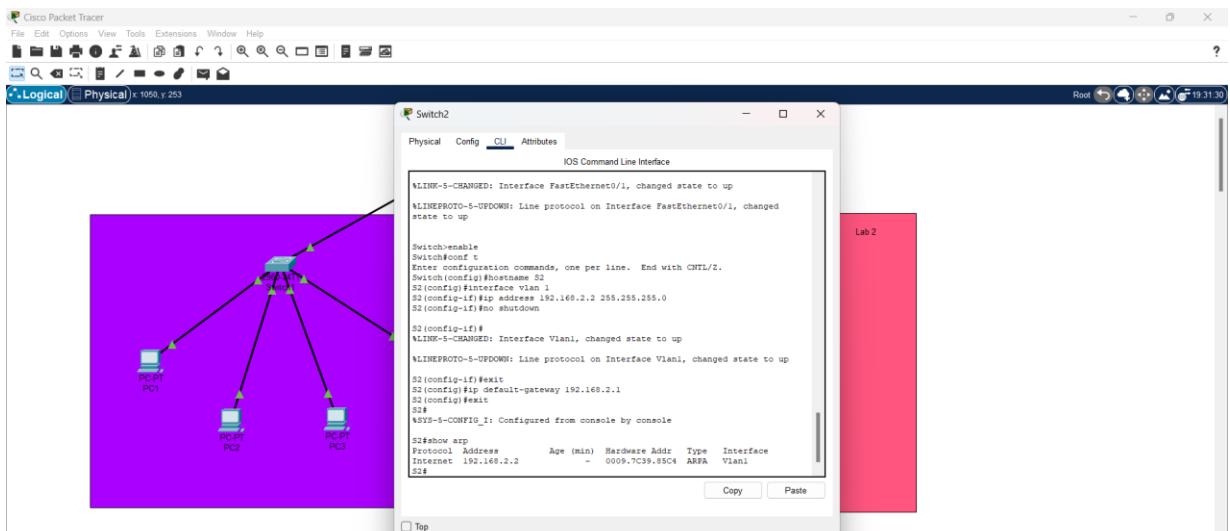


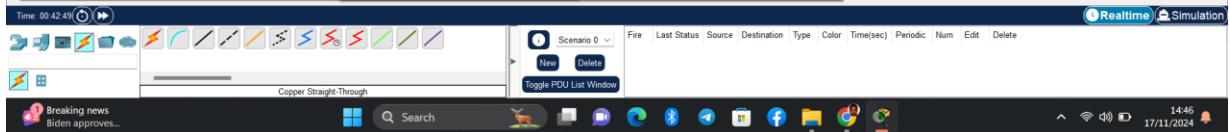
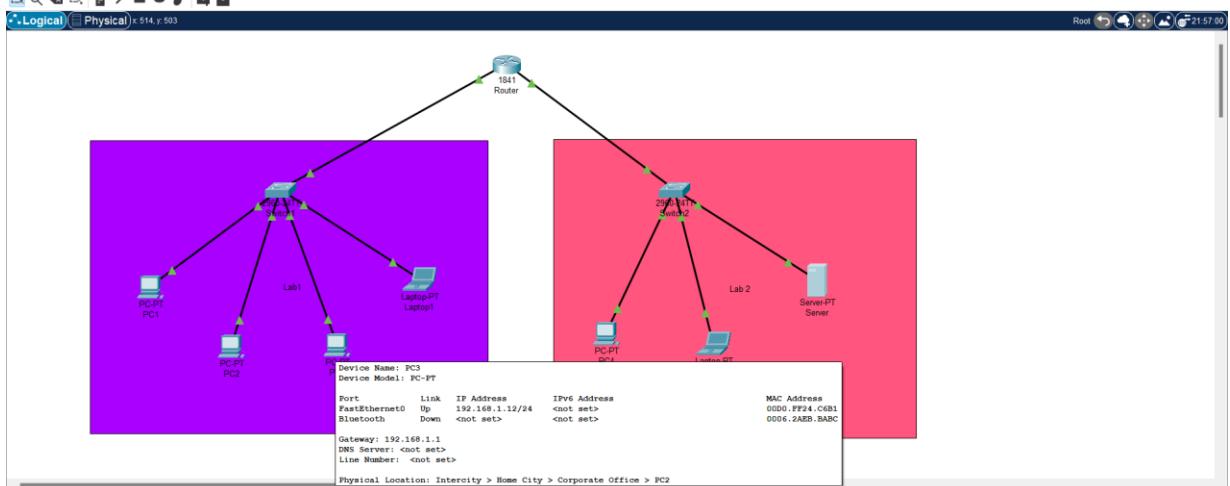
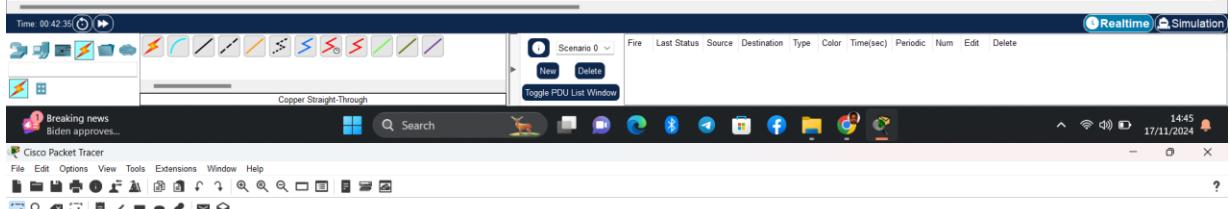
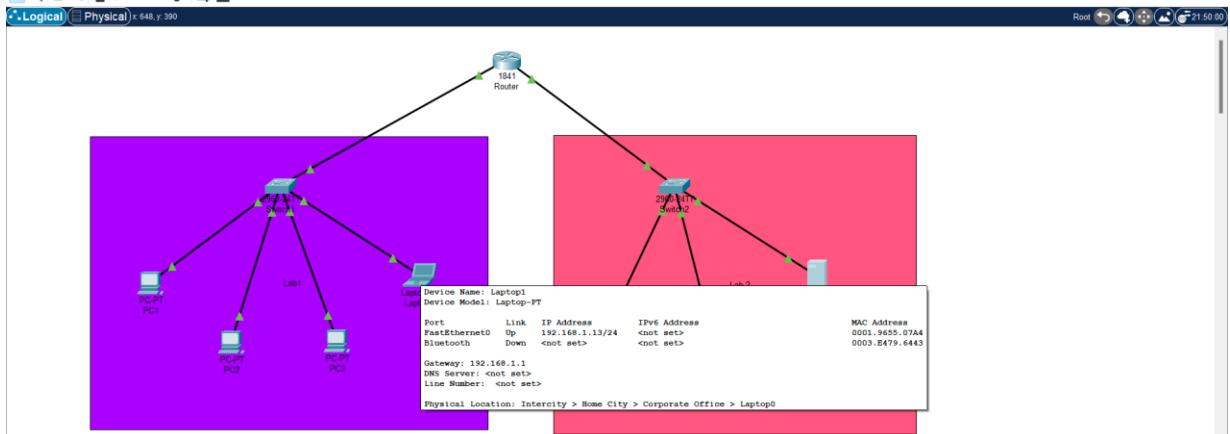
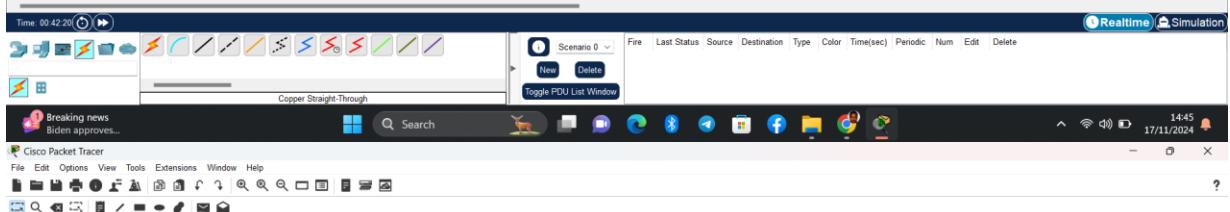
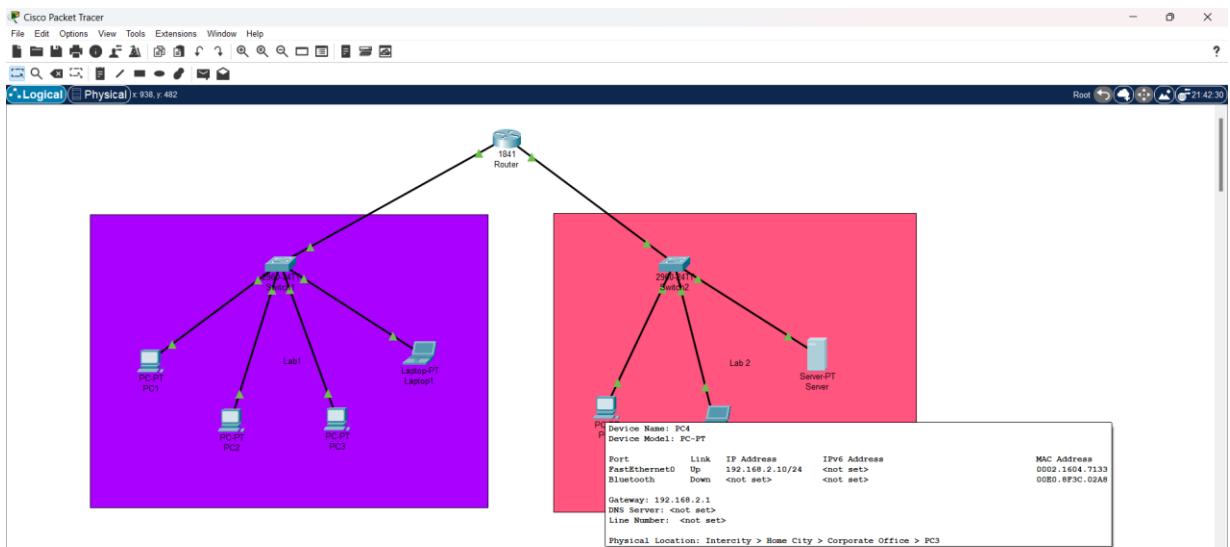
2. Reproduisez cette topologie, configurez le serveur HTTP et HTTPS et affichez votre page web.

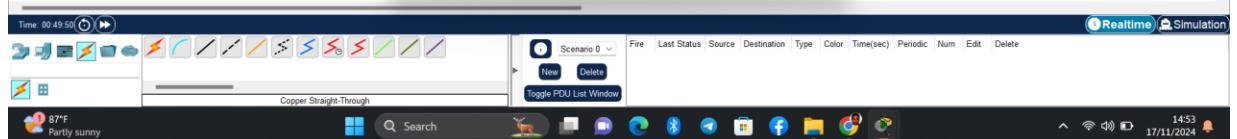
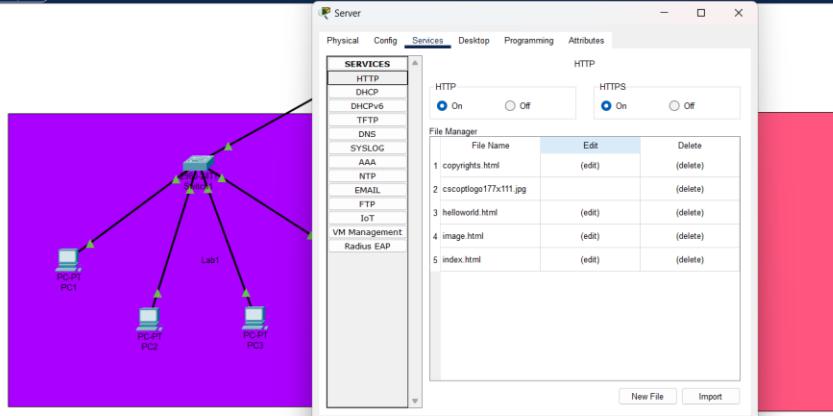
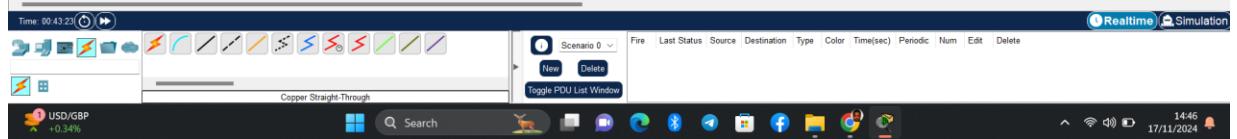
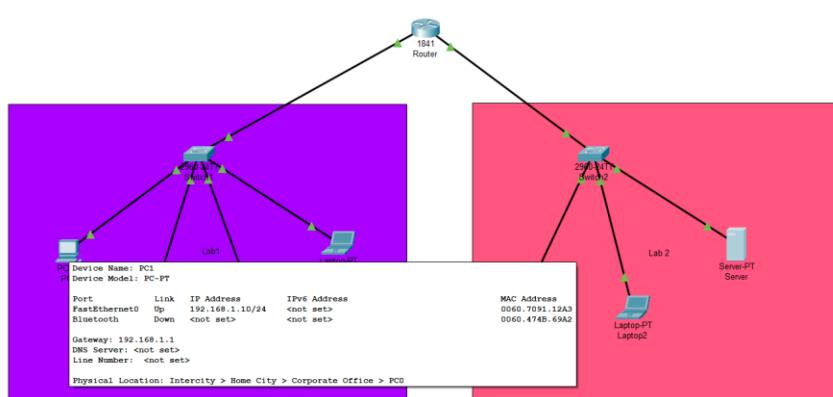
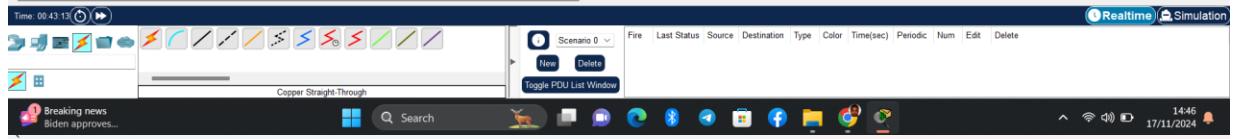
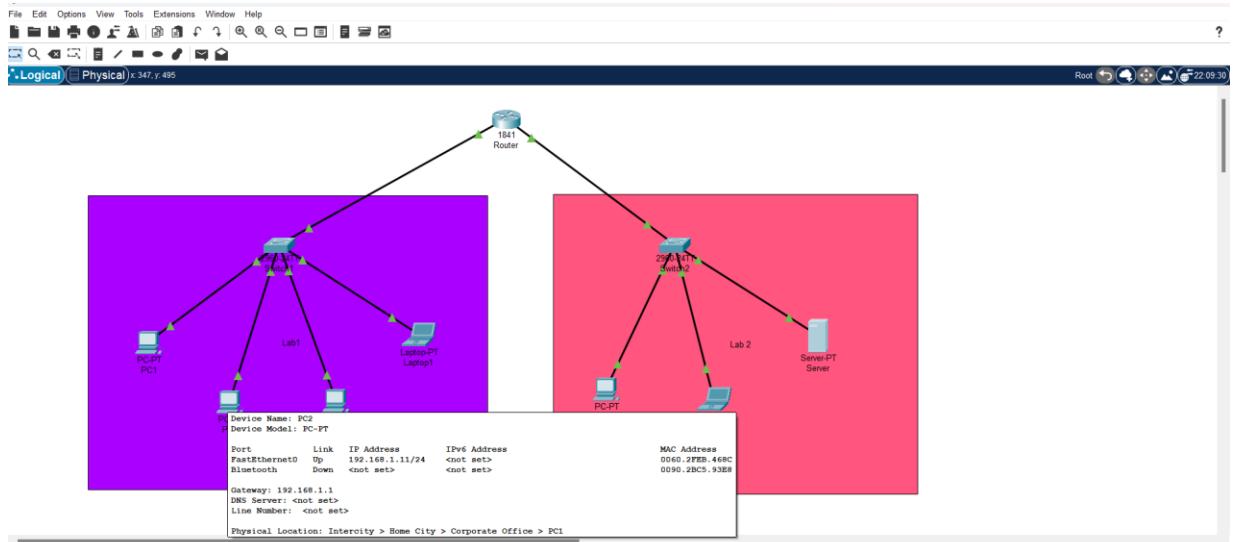


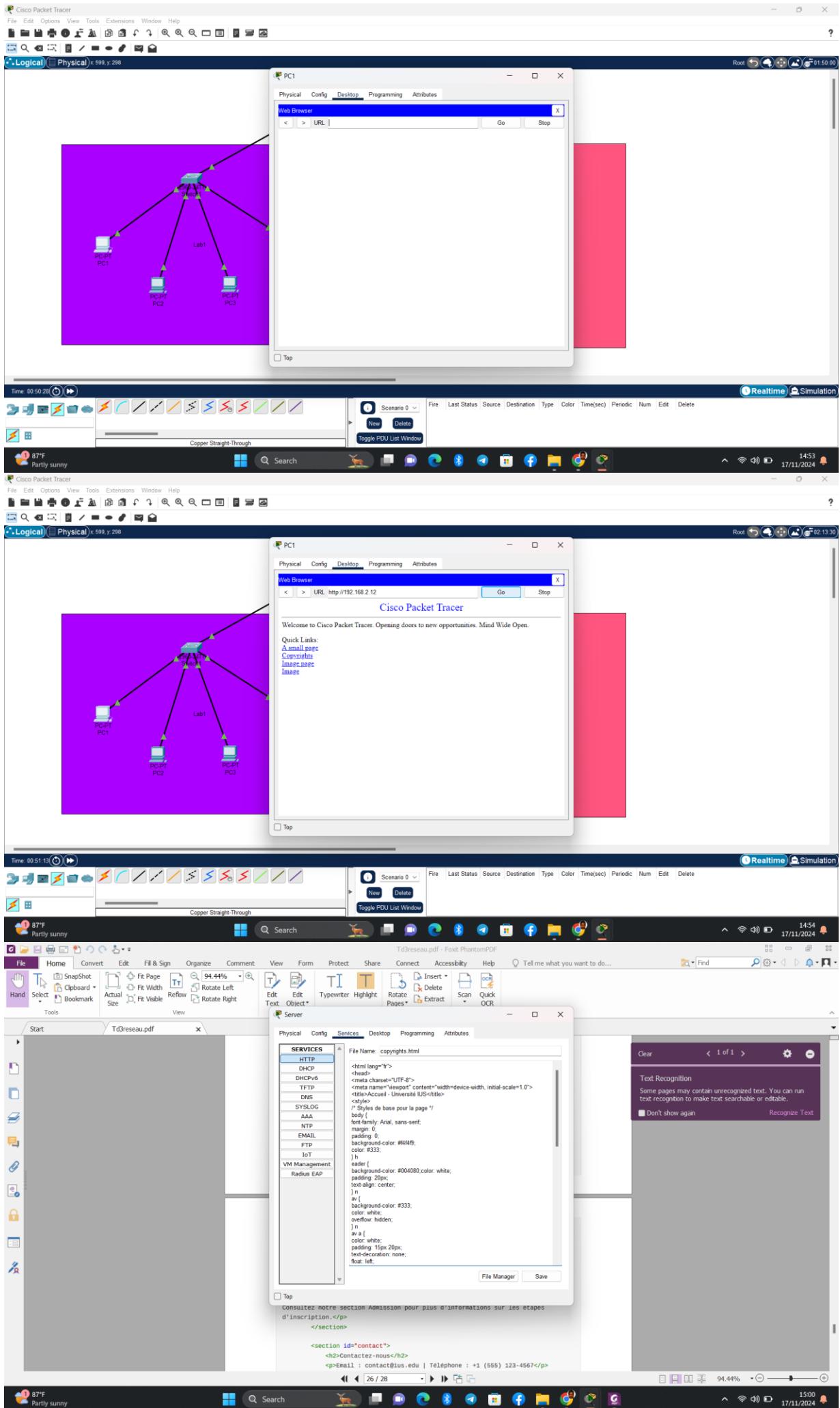


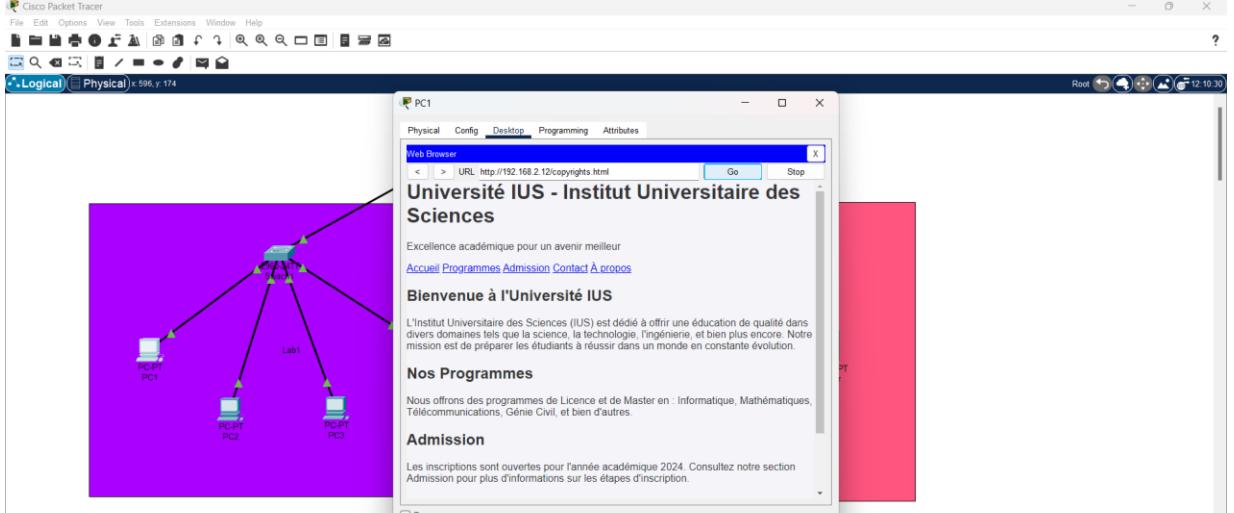
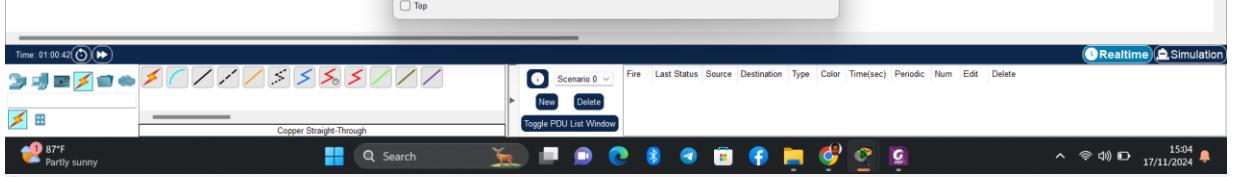
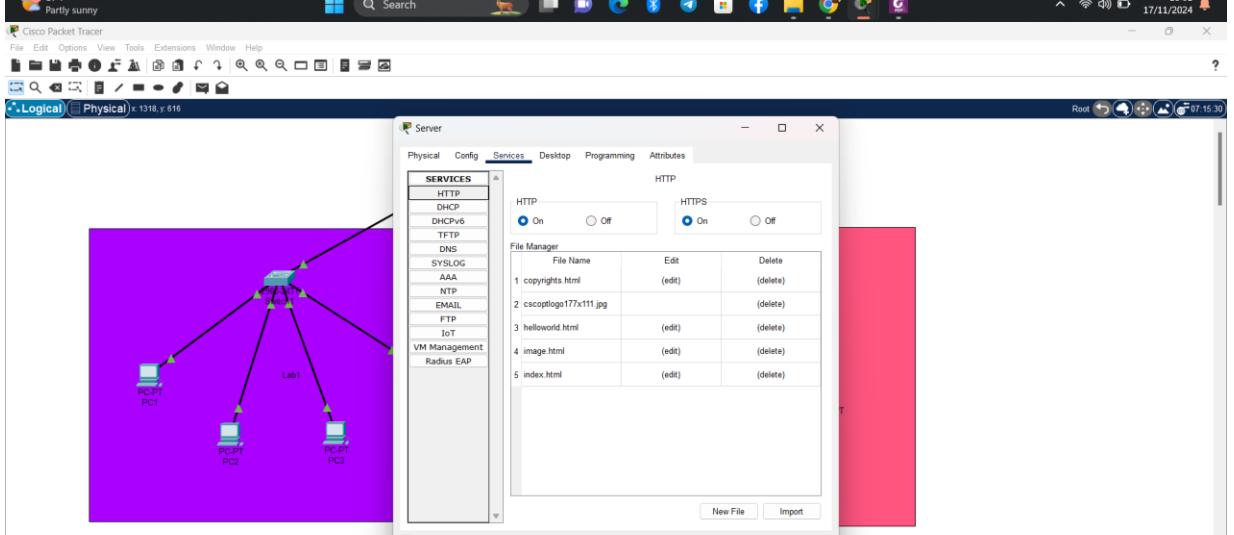
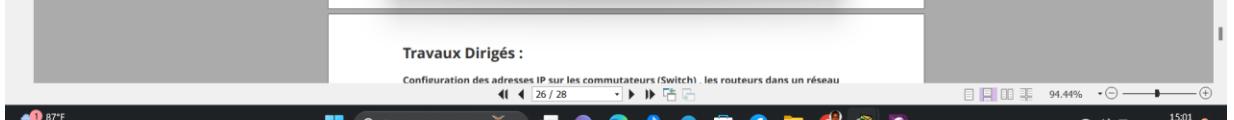
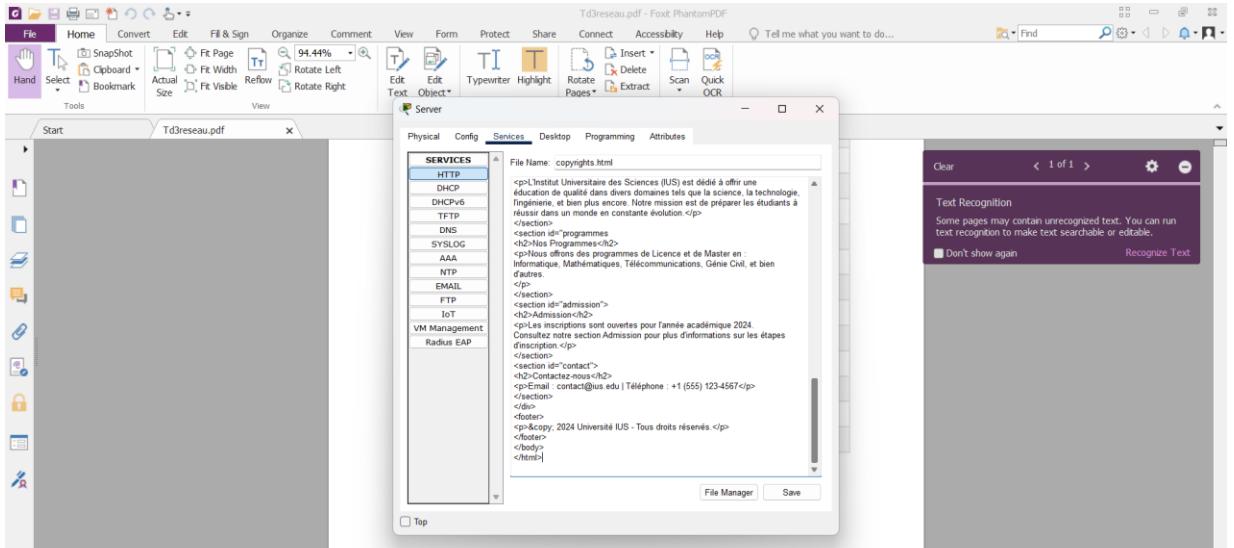












3. Configurez un serveur Web dans un réseau et choisissez l'architecture de votre choix.

Appareils	Interface	Adresse IP	Passerelle
R1	Fa0/0	192.168.1.1	-
R1	Fa0/1	192.168.2.1	-
S1	vlan 1	192.168.1.2	192.168.1.1
S2	vlan 1	192.168.2.2	192.168.2.1
PC1	Ethernet	192.168.1.10	192.168.1.1
PC 2	Ethernet	192.168.1.11	192.168.1.1
PC3	Ethernet	192.168.1.12	192.168.1.1
Printer	Ethernet	-	192.168.1.1
Admin	Ethernet	192.168.2.10	192.168.2.1
client 1	Ethernet	192.168.2.11	192.168.2.1
Server htpp	Ethernet	192.168.2.12	192.168.2.1
client 2	Ethernet	192.168.2.13	192.168.2.1

