



**IUS**  
INSTITUT  
UNIVERSITAIRE  
DES SCIENCES

**FACULTÉ DES SCIENCES ET DES TECHNOLOGIES  
(FST)**

**Troisième année**

**RAPPORT**

**Sur le Travail de Laboratoire N° 3**

**COURS**

**Réseaux I**

**Professeur**

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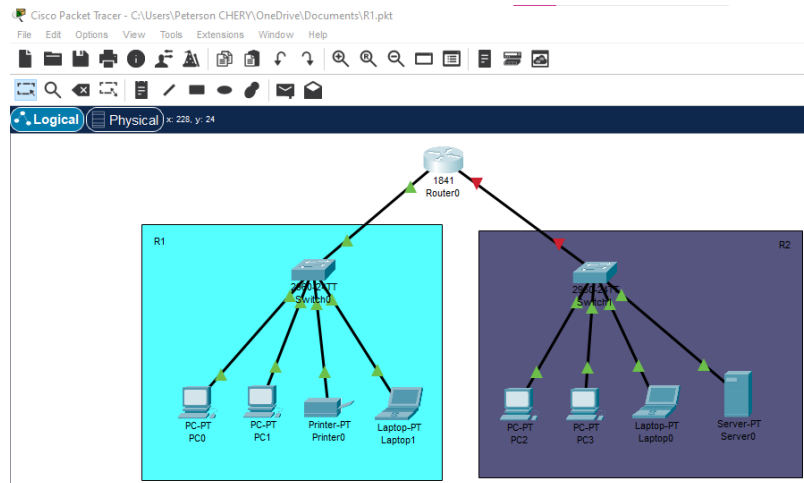
**SEMESTRE**

**I**

**Le 17/11/2024**

# 1. Reproduction d'une topologie, puis la configuration du routeur, des commutateurs, des adresses IP et testez la connectivité.

- Configuration du routeur et sa vérification



```
Router0
Physical Config CLI Attributes
IOS Command Line Interface
M860 processor: part number 0, mask 49
2 FastEthernet/IEEE 802.3 interface(s)
191K bytes of NVRAM
63480K bytes of ATA CompactFlash (Read/Write)
Cisco IOS Software, 1841 Software (C1841-ADVIPSERVICESK9-M), Version 12.4(15)T1, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Wed 18-Jul-07 04:52 by pt_team

--- System Configuration Dialog ---
Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#interface FastEthernet0/0
/
R1(config)#interface FastEthernet0/1
/
R1(config)#interface FastEthernet0/0
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#no shutdown

R1(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
```

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Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#interface FastEthernet0/0
/
R1(config)#interface FastEthernet0/1
/
R1(config)#interface FastEthernet0/0
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#no shutdown

R1(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

R1(config-if)#exit
R1(config)#interface FastEthernet0/1
R1(config-if)#ip address 192.168.2.1 255.255.255.0
R1(config-if)#no shutdown

R1(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

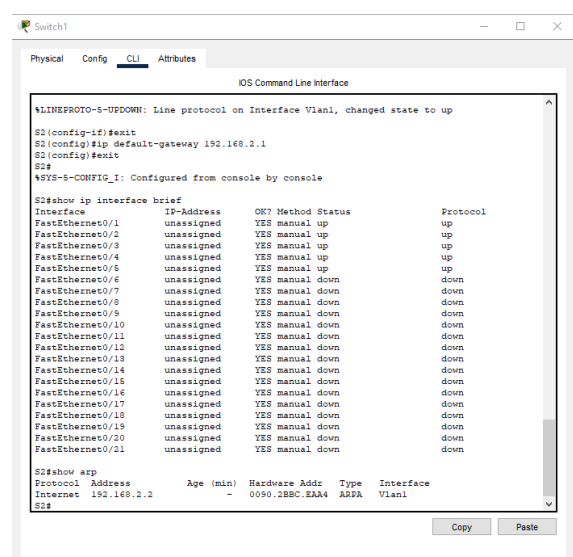
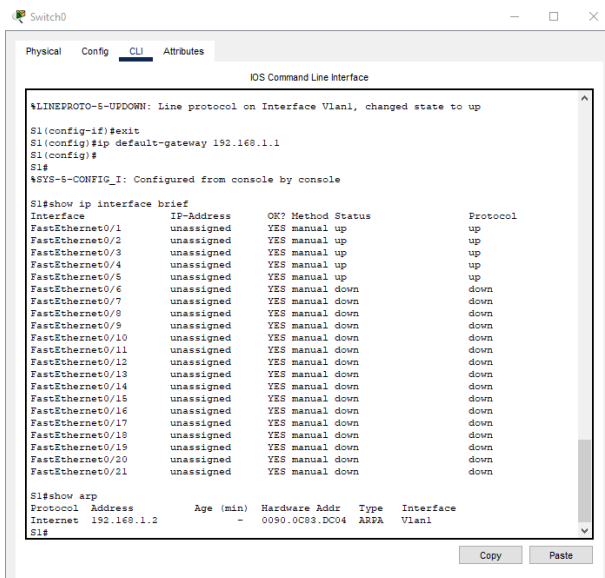
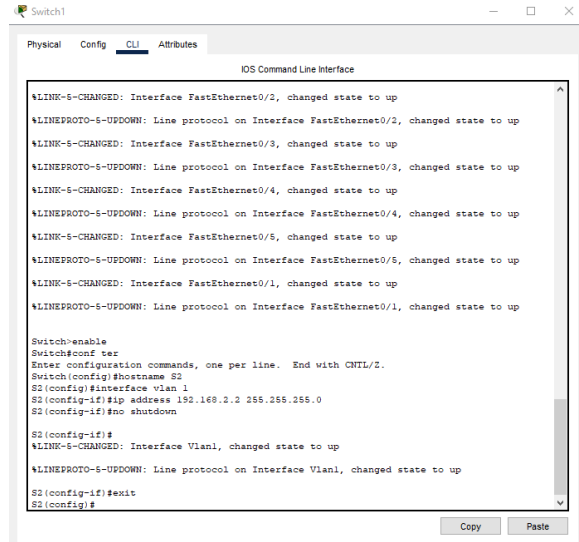
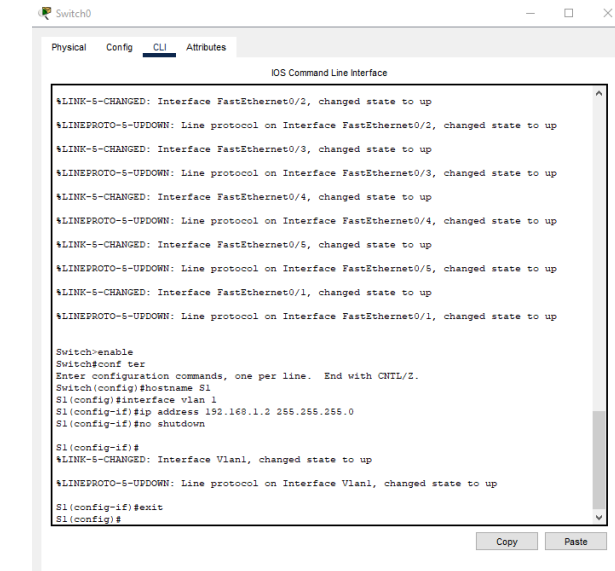
R1(config-if)#exit
R1(config)#
R1(config)#
```

```
R1(config-if)#exit
R1(config)#
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

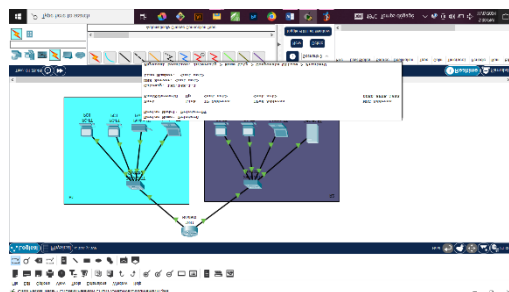
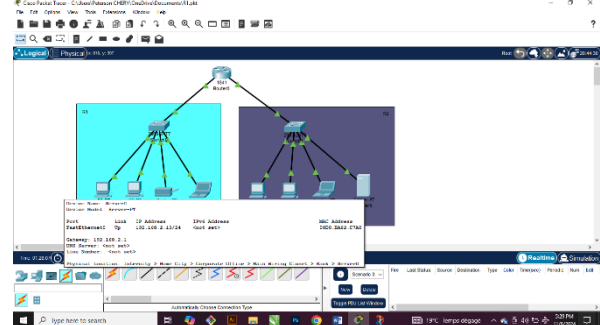
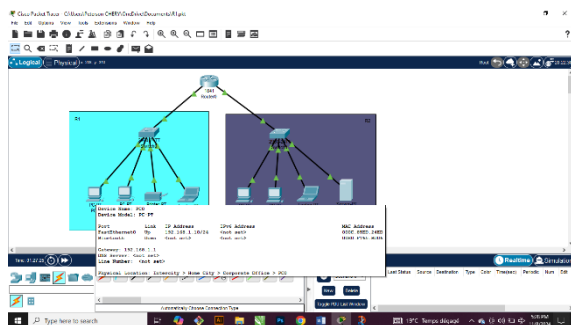
R1#show ip interface brief
Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 192.168.1.1 YES manual up up
FastEthernet0/1 192.168.2.1 YES manual up up
Vlan1 unassigned YES unset administratively down down

R1#show arp
Protocol Address Age (min) Hardware Addr Type Interface
Internet 192.168.1.1 - 000A.F39B.AA01 ARPA FastEthernet0/0
Internet 192.168.2.1 - 000A.F39B.AA02 ARPA FastEthernet0/1
R1#
```

## • Configuration des commutateurs



## • Les Adresses IP



## • Testez la connectivité

```

PC2

Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.10: bytes=32 time<1ms TTL=127
Reply from 192.168.1.10: bytes=32 time<1ms TTL=127
Reply from 192.168.1.10: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.1.11

Pinging 192.168.1.11 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.11: bytes=32 time<1ms TTL=127
Reply from 192.168.1.11: bytes=32 time<1ms TTL=127
Reply from 192.168.1.11: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.1.11:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.1.12

Pinging 192.168.1.12 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.12: bytes=32 time<1ms TTL=127
Reply from 192.168.1.12: bytes=32 time<1ms TTL=127
Reply from 192.168.1.12: bytes=32 time<1ms TTL=127

```

```

Router0

Physical Config CLI Attributes

IOS Command Line Interface

Press RETURN to get started.

%IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthernet0/0, sourced by
0003.E479.3BE1

R1>show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

C    192.168.1.0/24 is directly connected, FastEthernet0/0
C    192.168.2.0/24 is directly connected, FastEthernet0/1
R1>

```

```

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

R1>show interfaces status
% Invalid input detected at '^' marker.

R1>show interfaces status
% Invalid input detected at '^' marker.

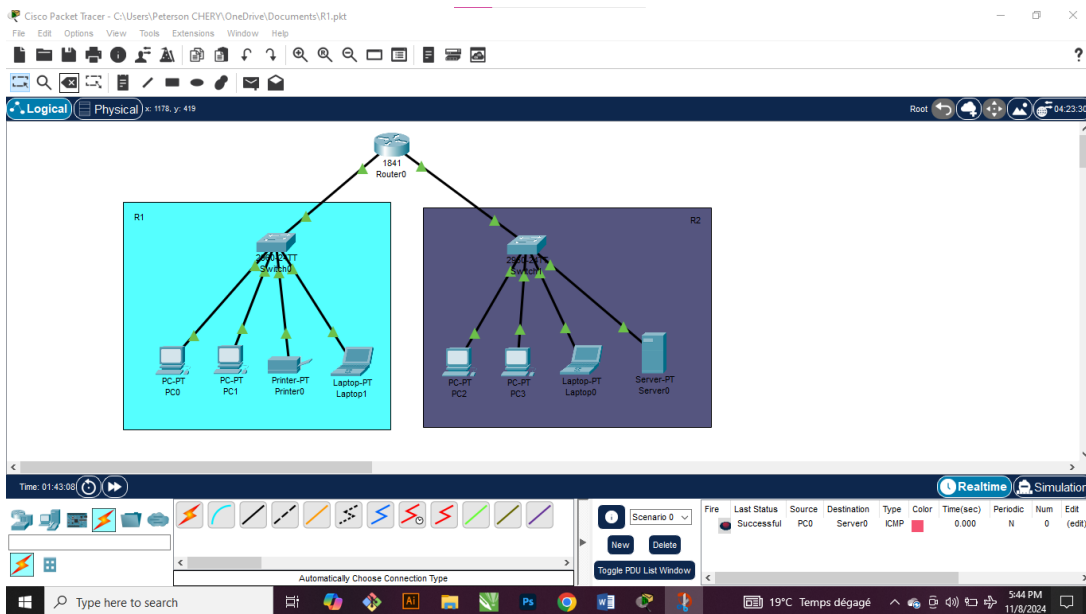
R1>show interface status
% Invalid input detected at '^' marker.

R1>enable
R1>show interfaces status

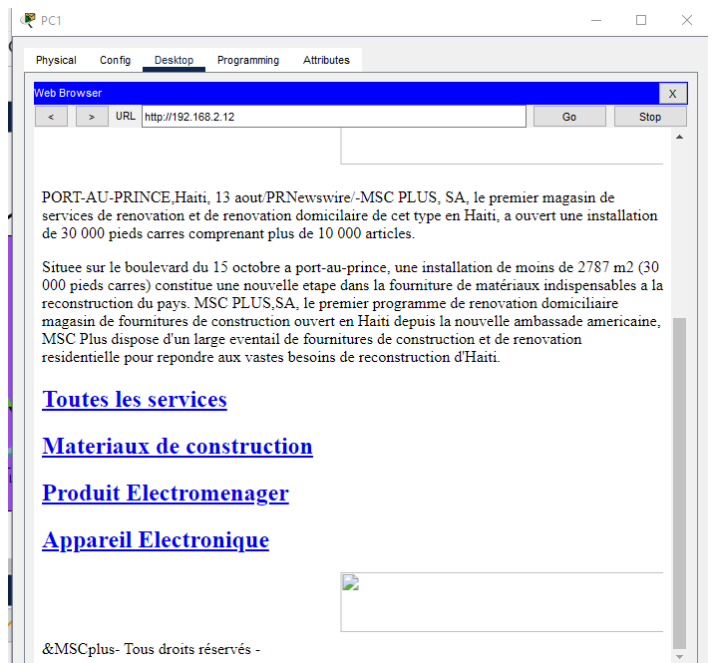
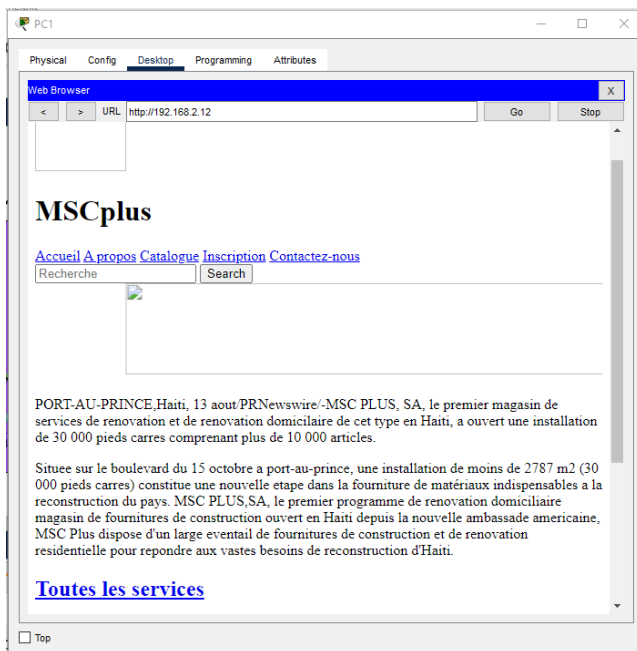
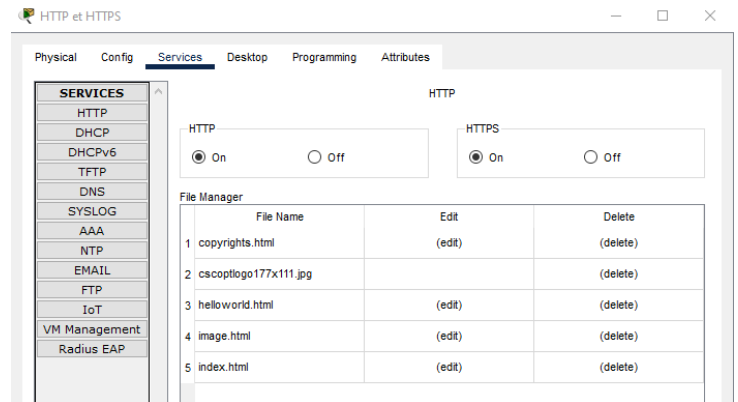
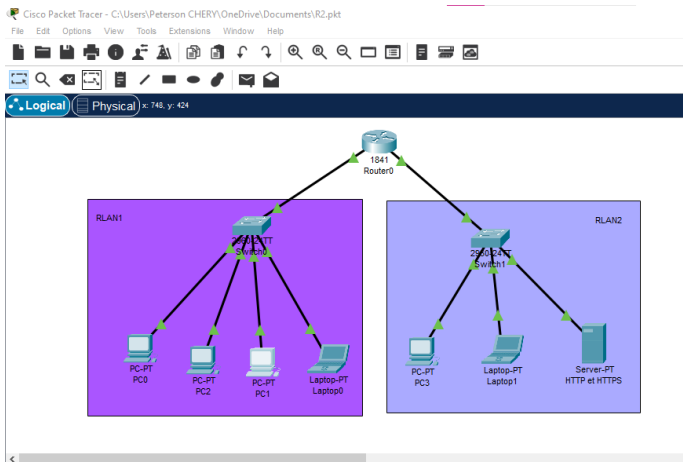
```

Port	Name	Status	Vlan	Duplex	Speed	Type
Fa0/1		connected	1	auto	auto	10/100BaseTX
Fa0/2		connected	1	auto	auto	10/100BaseTX
Fa0/3		connected	1	auto	auto	10/100BaseTX
Fa0/4		connected	1	auto	auto	10/100BaseTX
Fa0/5		connected	1	auto	auto	10/100BaseTX
Fa0/6		notconnect	1	auto	auto	10/100BaseTX
Fa0/7		notconnect	1	auto	auto	10/100BaseTX
Fa0/8		notconnect	1	auto	auto	10/100BaseTX
Fa0/9		notconnect	1	auto	auto	10/100BaseTX
Fa0/10		notconnect	1	auto	auto	10/100BaseTX
Fa0/11		notconnect	1	auto	auto	10/100BaseTX
Fa0/12		notconnect	1	auto	auto	10/100BaseTX
Fa0/13		notconnect	1	auto	auto	10/100BaseTX
Fa0/14		notconnect	1	auto	auto	10/100BaseTX
Fa0/15		notconnect	1	auto	auto	10/100BaseTX
Fa0/16		notconnect	1	auto	auto	10/100BaseTX
Fa0/17		notconnect	1	auto	auto	10/100BaseTX
Fa0/18		notconnect	1	auto	auto	10/100BaseTX
Fa0/19		notconnect	1	auto	auto	10/100BaseTX
Fa0/20		notconnect	1	auto	auto	10/100BaseTX
Fa0/21		notconnect	1	auto	auto	10/100BaseTX

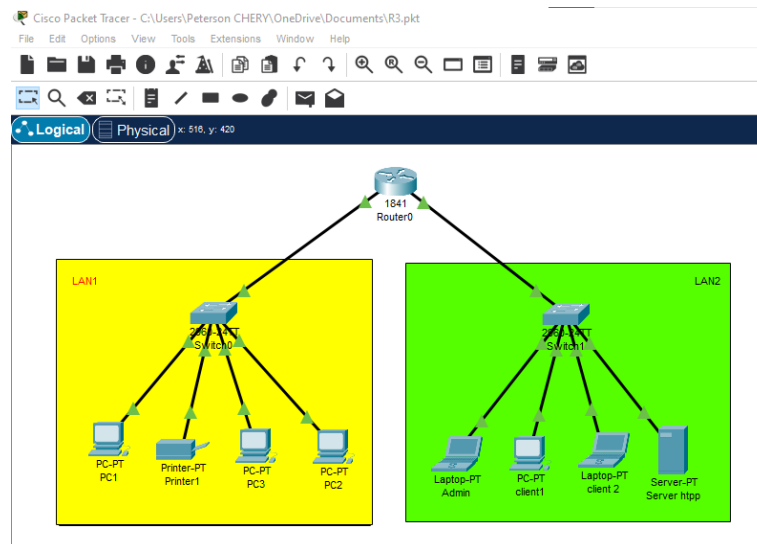
--More--

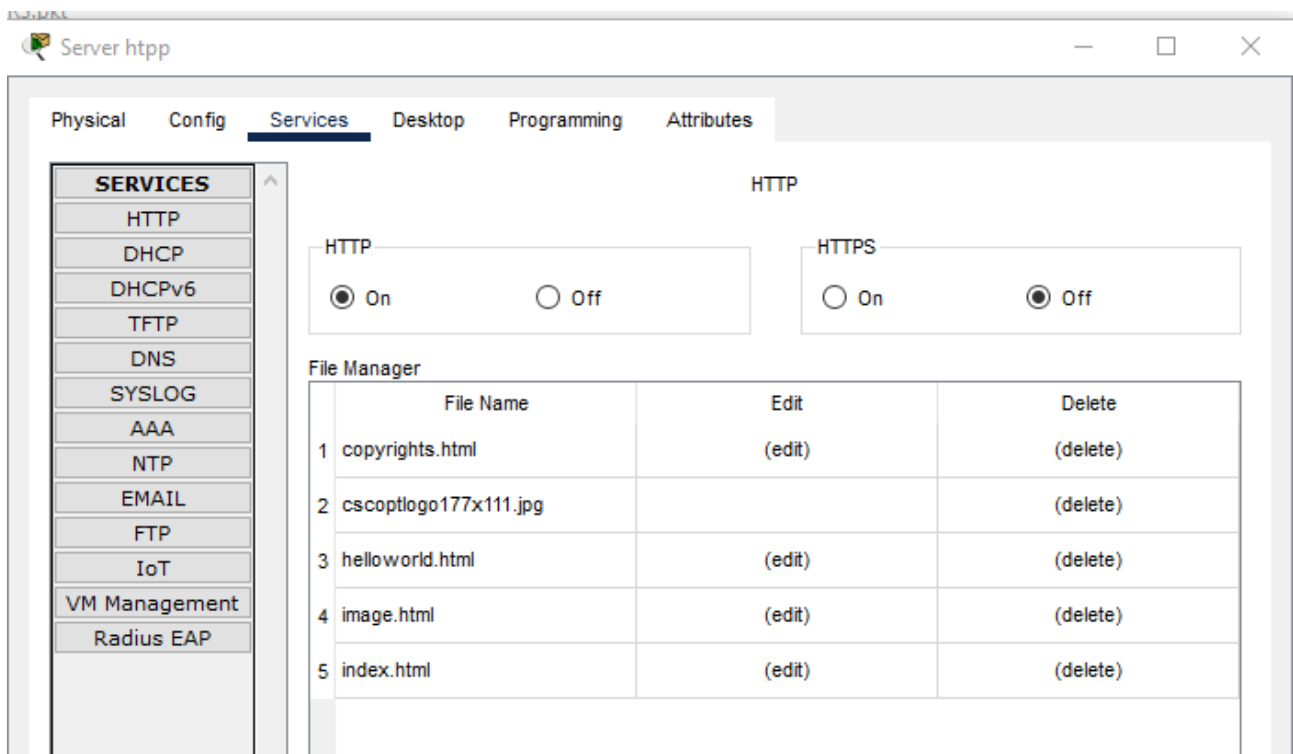
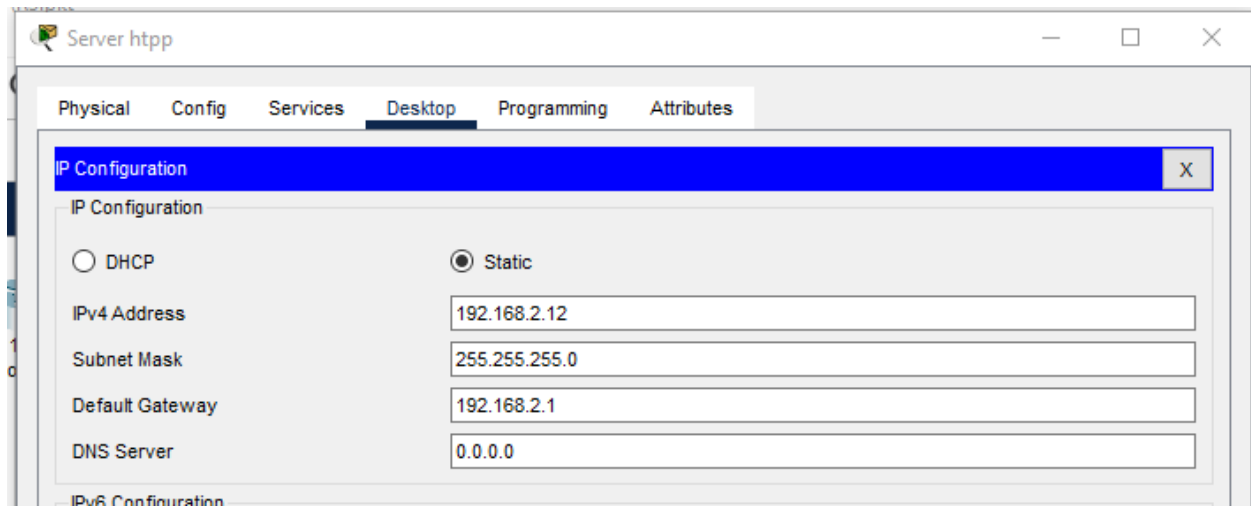


## 2. Reproduction d'une topologie, puis la configuration du serveur HTTP et HTTPS et affichage de ma page web.



## 3. Configuration d'un serveur web dans un réseau.





## CONCLUSION :

J'ai appris les compétences nécessaires pour Configurer un routeur, des commutateurs, d'un serveur Web et afficher une page web.