



IUS
INSTITUT
UNIVERSITAIRE
DES SCIENCES

Faculté des Sciences de Technologies

Rapport TD3 Réseau1

Nom : PIERRE

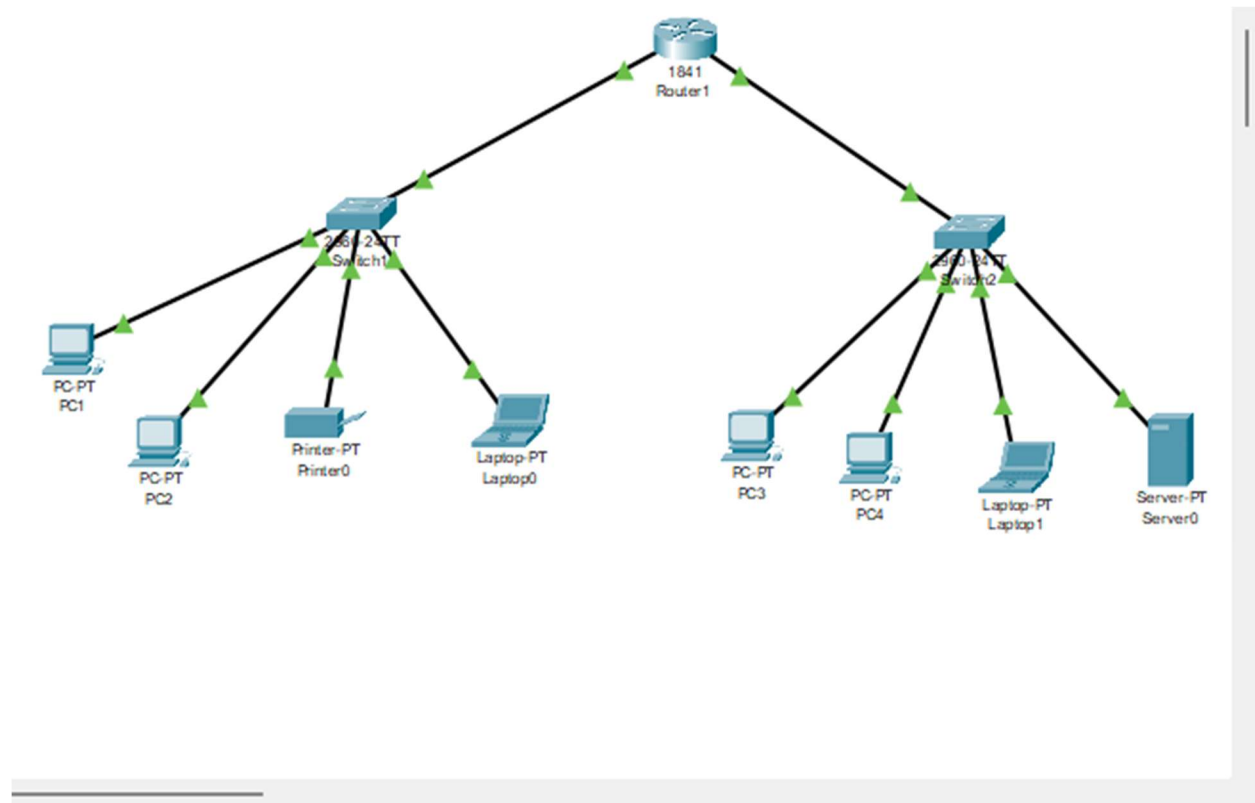
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Niveau : L3-Sciences Informatiques

Description :

- Comprendre et apprendre à configurer un routeur, un commutateur, de tester la connectivité ensuite d'apprendre à configurer un serveur http et https.

Configurer le routeur, les commutateurs, les adresses IP et tester la connectivité.



Configuration routeur

```

Lelay#enable
Lelay#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Lelay(config)#hostname Routeur
Routeur(config)#interface FastEthernet0/0
Routeur(config-if)#ip address 192.168.1.1 255.255.255.0
Routeur(config-if)#no shutdown
Routeur(config-if)#exit
Routeur(config)#interface FastEthernet0/1
Routeur(config-if)#ip address 192.168.2.1 255.255.255.0
Routeur(config-if)#no shutdown

Routeur(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

Routeur(config-if)#exit
Routeur(config)#

```

```

Routeur(config)#exit
Routeur#
%SYS-5-CONFIG_I: Configured from console by console

Routeur#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

```

Routeur#show arp

```

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	192.168.1.1	-	0001.421D.9C01	ARPA	FastEthernet0/0
Internet	192.168.2.1	-	0001.421D.9C02	ARPA	FastEthernet0/1

```

Routeur#

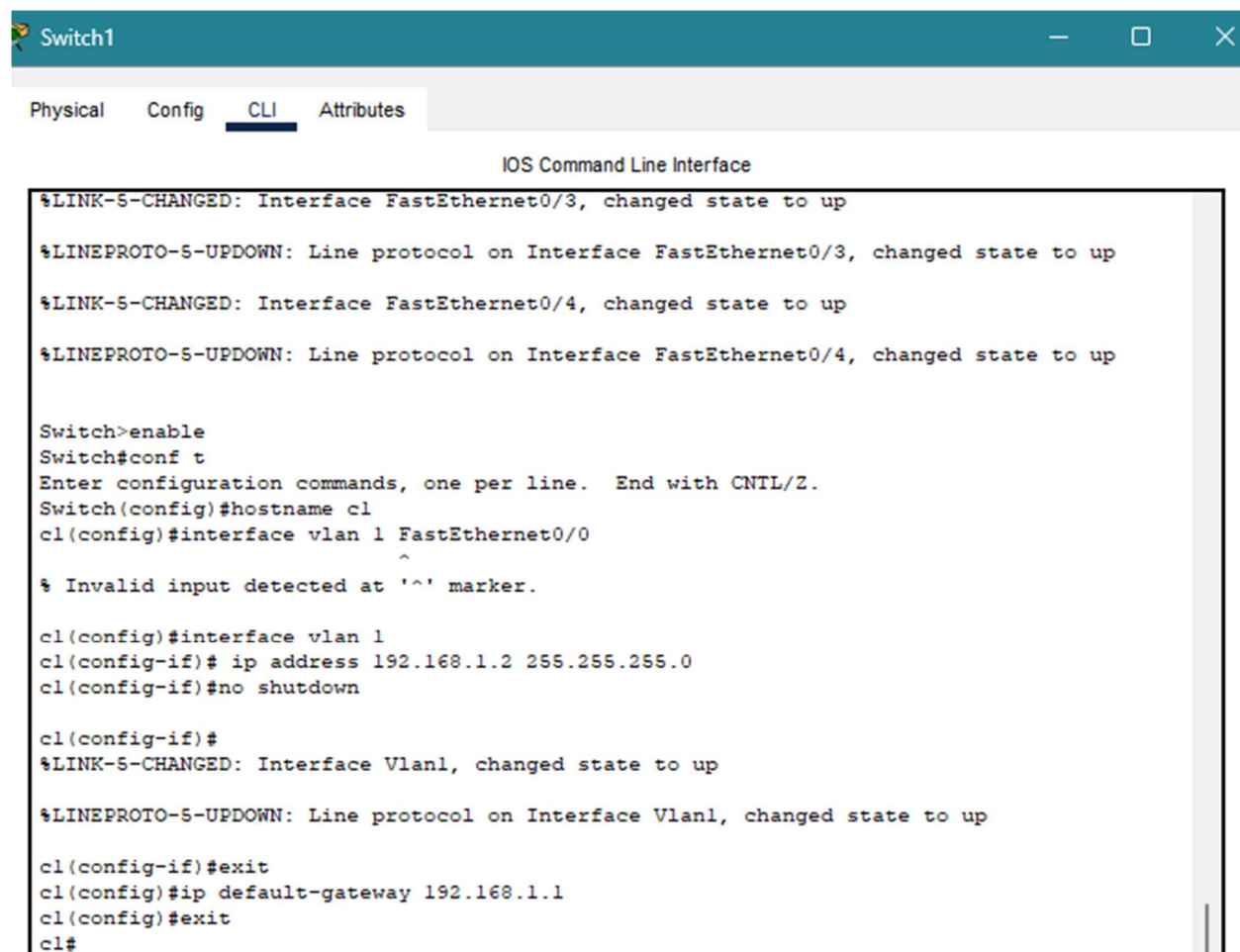
```

Copy

Paste

Commutateurs

C1-



The screenshot shows a network switch window titled "Switch1" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the "IOS Command Line Interface". The terminal output shows several status messages for interfaces FastEthernet0/3 and FastEthernet0/4, followed by configuration commands for a new interface "cl".

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

Switch>enable
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname cl
cl(config)#interface vlan 1 FastEthernet0/0
      ^
% Invalid input detected at '^' marker.

cl(config)#interface vlan 1
cl(config-if)# ip address 192.168.1.2 255.255.255.0
cl(config-if)#no shutdown

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

cl(config-if)#exit
cl(config)#ip default-gateway 192.168.1.1
cl(config)#exit
cl#
```

Teste de la connectivité cl

Switch1

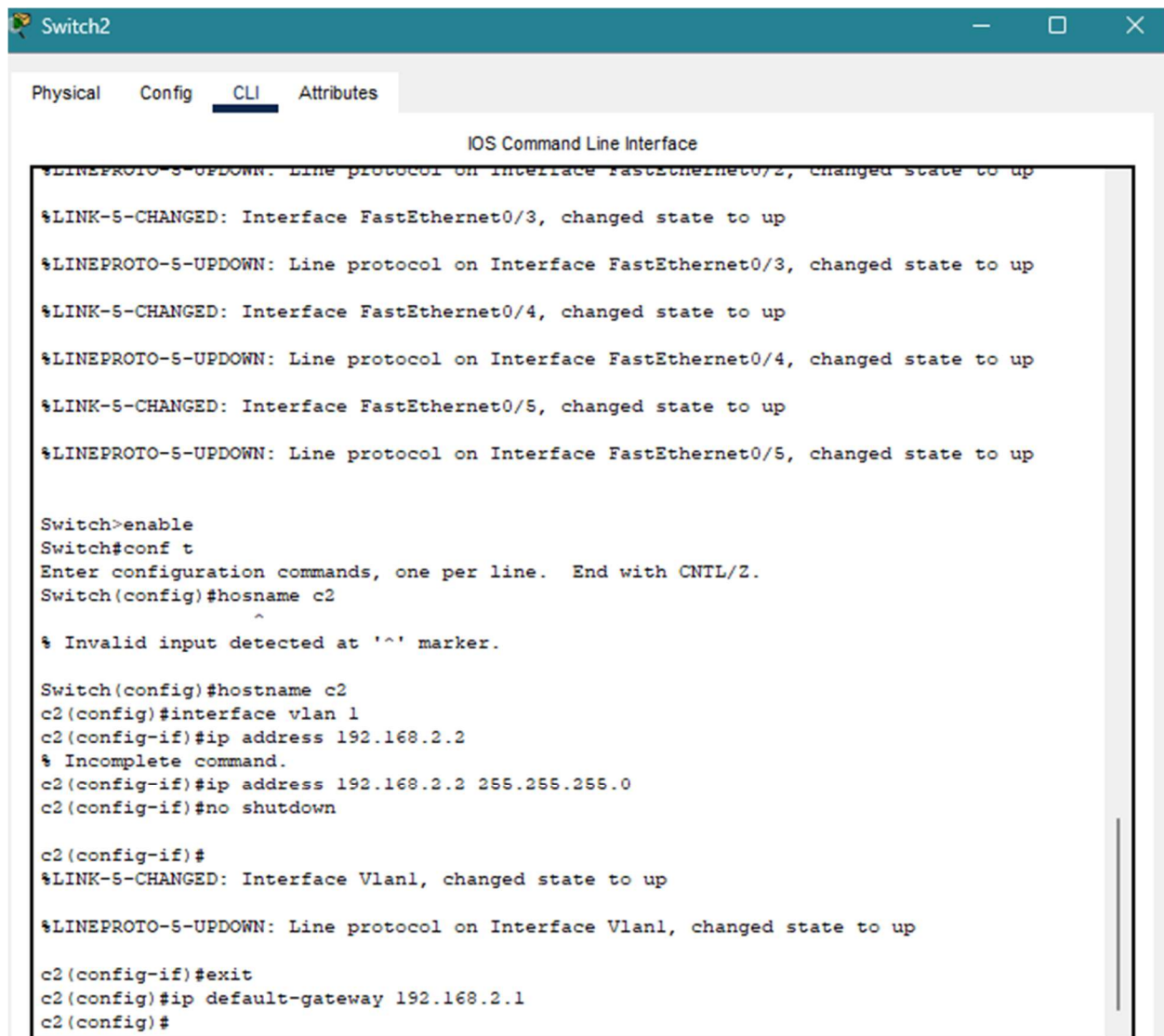
Physical
Config
CLI
Attributes

IOS Command Line Interface

```

cl>show ip interface brief
Interface                IP-Address      OK? Method Status      Protocol
FastEthernet0/1          unassigned      YES manual  up          up
FastEthernet0/2          unassigned      YES manual  up          up
FastEthernet0/3          unassigned      YES manual  up          up
FastEthernet0/4          unassigned      YES manual  up          up
FastEthernet0/5          unassigned      YES manual  down        down
FastEthernet0/6          unassigned      YES manual  down        down
FastEthernet0/7          unassigned      YES manual  down        down
FastEthernet0/8          unassigned      YES manual  down        down
FastEthernet0/9          unassigned      YES manual  down        down
FastEthernet0/10         unassigned      YES manual  down        down
FastEthernet0/11         unassigned      YES manual  down        down
FastEthernet0/12         unassigned      YES manual  down        down
FastEthernet0/13         unassigned      YES manual  down        down
FastEthernet0/14         unassigned      YES manual  down        down
FastEthernet0/15         unassigned      YES manual  down        down
FastEthernet0/16         unassigned      YES manual  down        down
FastEthernet0/17         unassigned      YES manual  down        down
FastEthernet0/18         unassigned      YES manual  down        down
FastEthernet0/19         unassigned      YES manual  down        down
FastEthernet0/20         unassigned      YES manual  down        down
FastEthernet0/21         unassigned      YES manual  down        down
FastEthernet0/22         unassigned      YES manual  down        down
FastEthernet0/23         unassigned      YES manual  down        down
FastEthernet0/24         unassigned      YES manual  down        down
GigabitEthernet0/1       unassigned      YES manual  down        down
GigabitEthernet0/2       unassigned      YES manual  down        down
Vlan1                    192.168.1.2     YES manual  up          up
cl>show arp
Protocol Address          Age (min)  Hardware Addr  Type   Interface
Internet 192.168.1.2      -          0040.0BE7.4C29 ARPA    Vlan1
cl>exit

```



```
Switch2
Physical Config CLI Attributes

IOS Command Line Interface

%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
%LINK-5-CHANGED: Interface FastEthernet0/5, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5, changed state to up

Switch>enable
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname c2
^
% Invalid input detected at '^' marker.

Switch(config)#hostname c2
c2(config)#interface vlan 1
c2(config-if)#ip address 192.168.2.2
% Incomplete command.
c2(config-if)#ip address 192.168.2.2 255.255.255.0
c2(config-if)#no shutdown

c2(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

c2(config-if)#exit
c2(config)#ip default-gateway 192.168.2.1
c2(config)#
```

Teste la connectivité c2

Switch2

Physical
Config
CLI
Attributes

IOS Command Line Interface

```

%SYS-5-CONFIG_I: Configured from console by console

c2#show ip interface brief
Interface                IP-Address      OK? Method Status      Protocol
FastEthernet0/1          unassigned      YES manual down        down
FastEthernet0/2          unassigned      YES manual up          up
FastEthernet0/3          unassigned      YES manual up          up
FastEthernet0/4          unassigned      YES manual up          up
FastEthernet0/5          unassigned      YES manual up          up
FastEthernet0/6          unassigned      YES manual down       down
FastEthernet0/7          unassigned      YES manual down       down
FastEthernet0/8          unassigned      YES manual down       down
FastEthernet0/9          unassigned      YES manual down       down
FastEthernet0/10         unassigned      YES manual down       down
FastEthernet0/11         unassigned      YES manual down       down
FastEthernet0/12         unassigned      YES manual down       down
FastEthernet0/13         unassigned      YES manual down       down
FastEthernet0/14         unassigned      YES manual down       down
FastEthernet0/15         unassigned      YES manual down       down
FastEthernet0/16         unassigned      YES manual down       down
FastEthernet0/17         unassigned      YES manual down       down
FastEthernet0/18         unassigned      YES manual down       down
FastEthernet0/19         unassigned      YES manual down       down
FastEthernet0/20         unassigned      YES manual down       down
FastEthernet0/21         unassigned      YES manual down       down
FastEthernet0/22         unassigned      YES manual down       down
FastEthernet0/23         unassigned      YES manual down       down
FastEthernet0/24         unassigned      YES manual down       down
GigabitEthernet0/1       unassigned      YES manual down       down
GigabitEthernet0/2       unassigned      YES manual down       down
Vlan1                    192.168.2.2     YES manual up          up

c2#show arp
Protocol Address          Age (min) Hardware Addr  Type   Interface
Internet 192.168.2.2      -         0000.0C65.AC75  ARPA    Vlan1

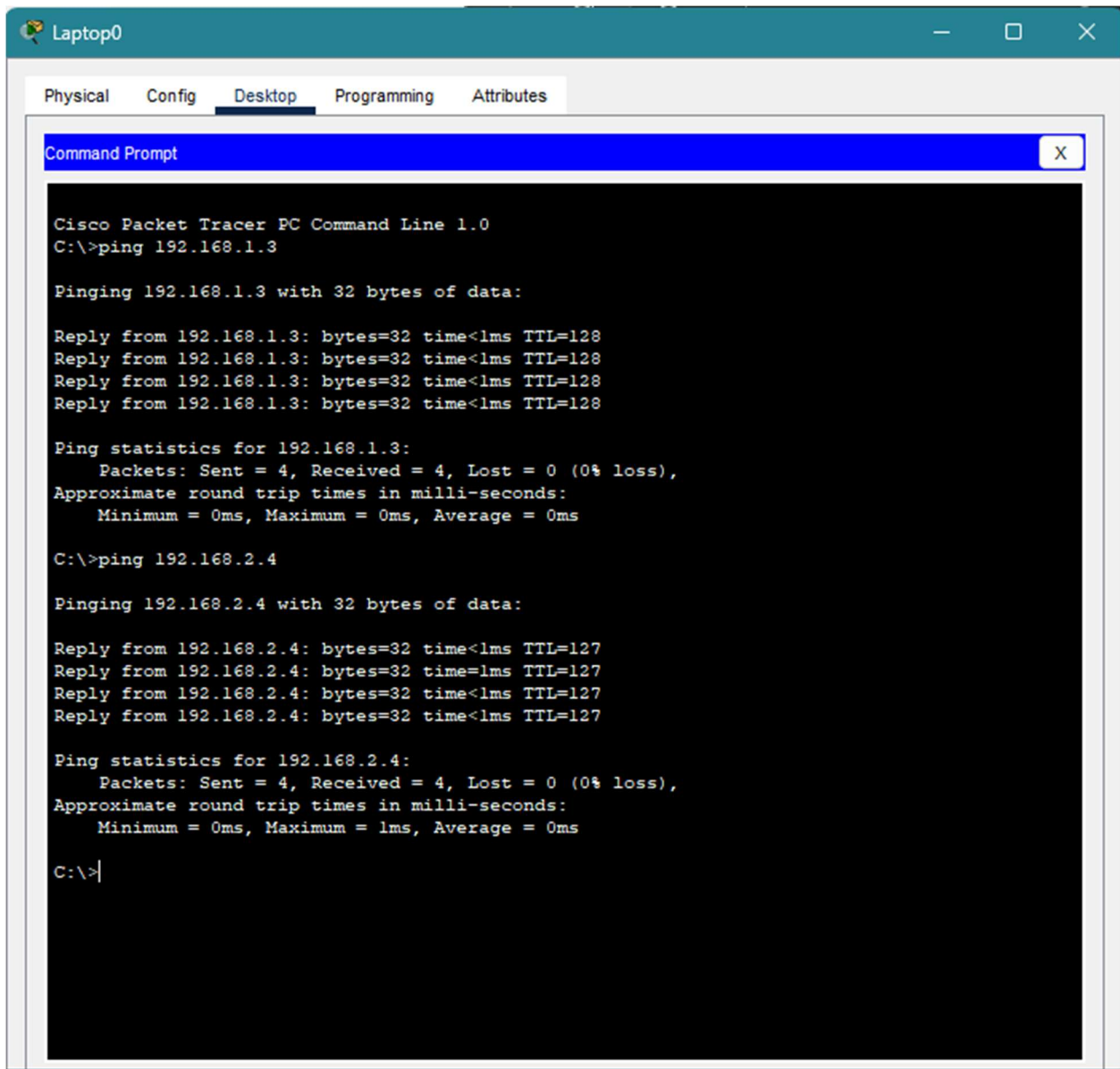
c2#exit

```

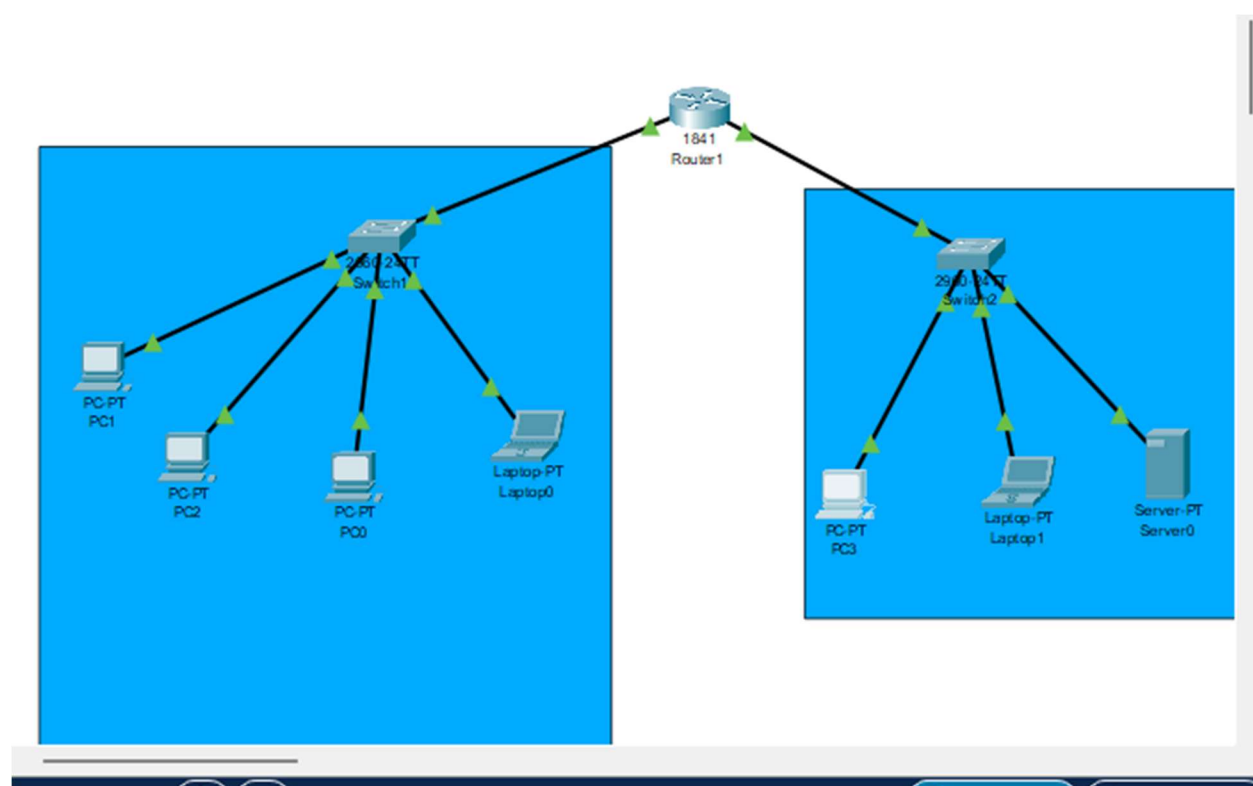
Copy
Paste

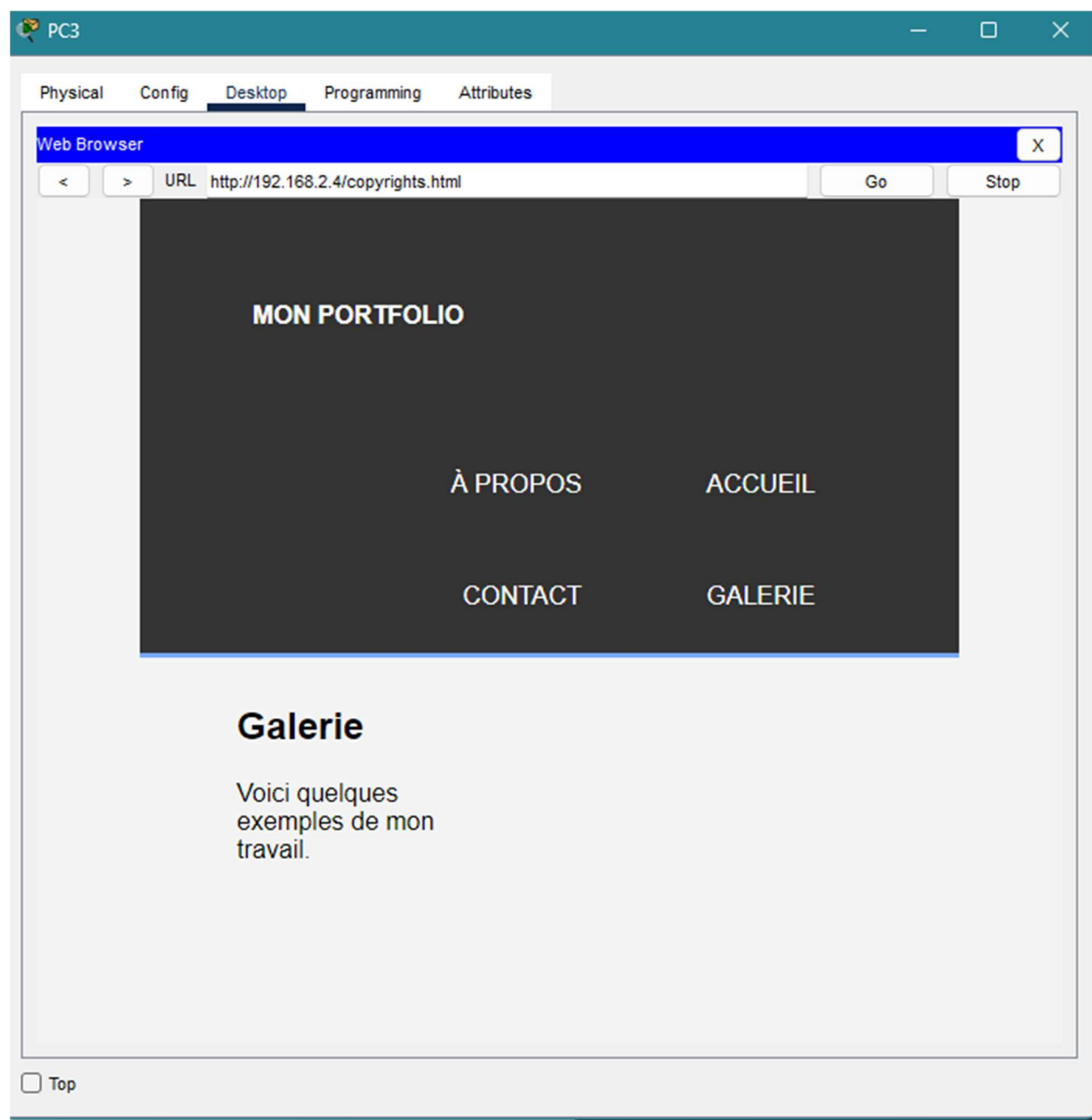
☐ Top

Tester la connectivité

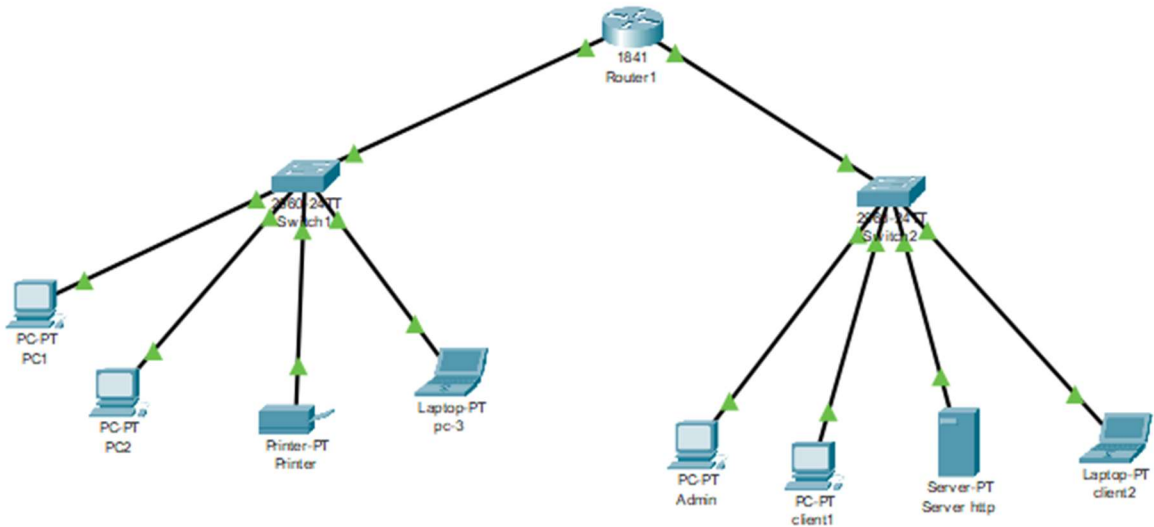


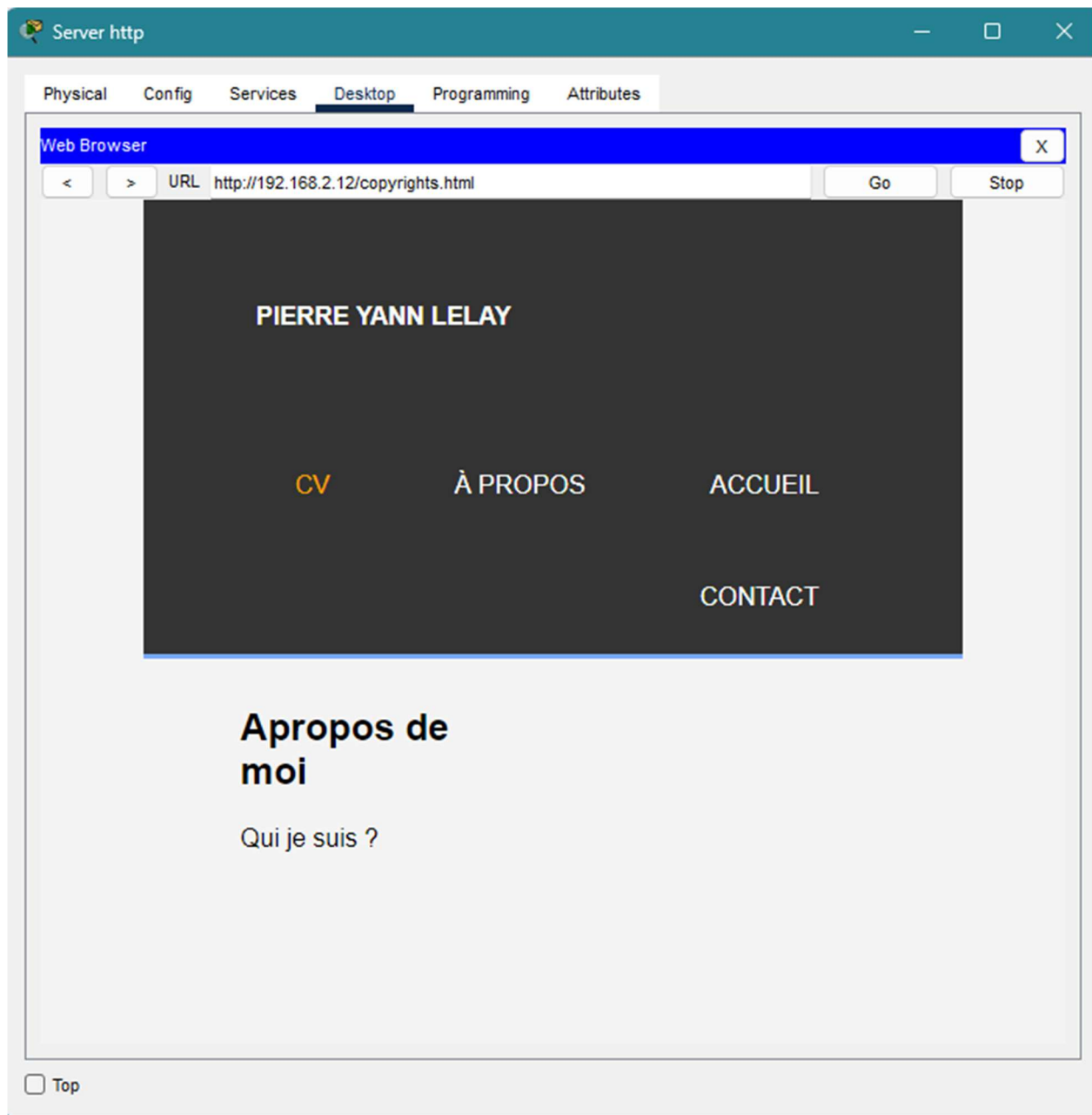
Configuration du server http et https





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





Conclusion :

Par la pratique j'arrive à cerner le cours et être prêt à mettre en pratique ces connaissances acquises.