

**Institut Universitaire des Sciences (IUS)**  
**FACULTÉ DES SCIENCES ET DES TECHNOLOGIES (FST)**

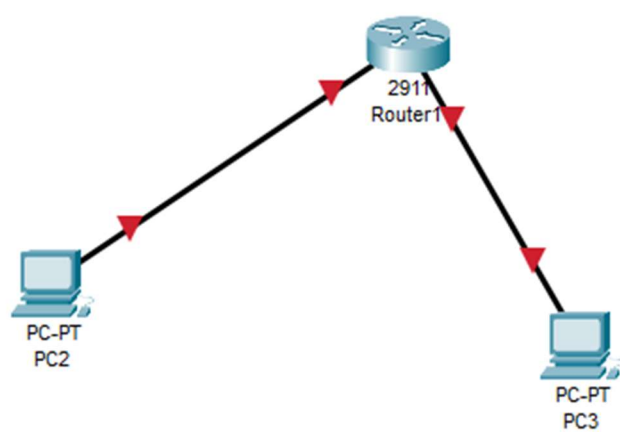
**RAPPORT**  
**SUR LE PROJET**

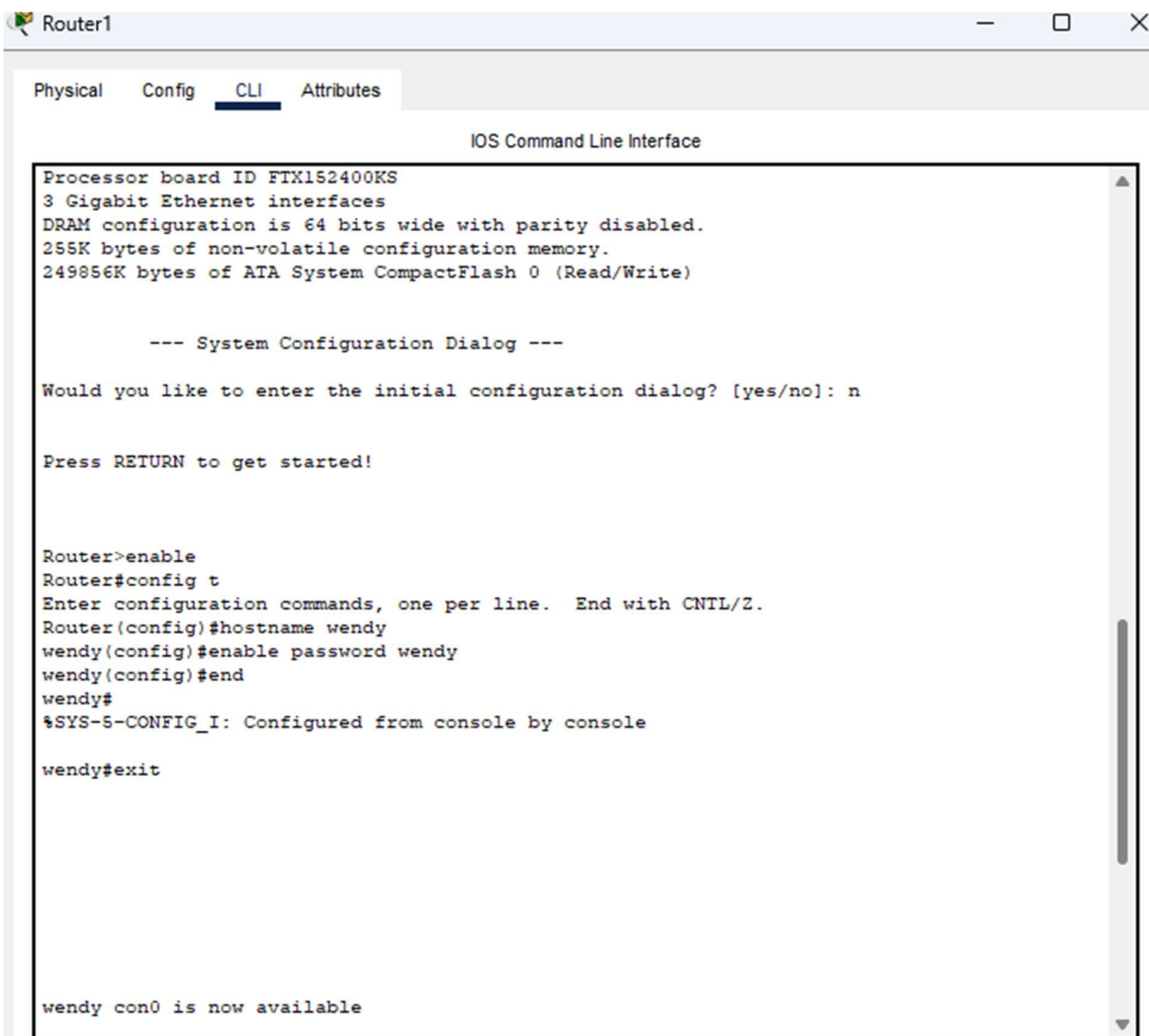
*Cours : Réseaux 1*

Étudiant : Wendy Colas  
Niveau : L3

2024

## 1. Configuration du protocole ssh





## IOS Command Line Interface

Press RETURN to get started.

```
wendy>enable
Password:
wendy#config t
Enter configuration commands, one per line. End with CNTL/Z.
wendy(config)#ip domain-name ius.com
wendy(config)#crypto key generate rsa
The name for the keys will be: wendy.ius.com
Choose the size of the key modulus in the range of 360 to 4096 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.

How many bits in the modulus [512]: 1024
% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]

wendy(config)#aaa new-model
*Mar 1 0:4:45.214: %SSH-5-ENABLED: SSH 1.99 has been enabled
wendy(config)#username wendy password colasssh
wendy(config)#line vty 0 4
wendy(config-line)#transport input ssh
wendy(config-line)#
```

Copy

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Router1

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
wendy>enable
Password:
wendy#config t
Enter configuration commands, one per line. End with CNTL/Z.
wendy(config)#ip domain-name ius.com
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a few minutes.

How many bits in the modulus [512]: 1024
% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]

wendy(config)#aaa new-model
*Mar 1 0:4:45.214: %SSH-5-ENABLED: SSH 1.99 has been enabled
wendy(config)#username wendy password colasssh
wendy(config)#line vty 0 4
wendy(config-line)#transport input ssh
wendy(config-line)#interface Gig0/0
wendy(config-if)#ip address 192.168.1.1 255.255.255.0
wendy(config-if)#no shutdown

wendy(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
exit
wendy(config)#interface Gig0/1
wendy(config-if)#ip address 192.168.2.1 255.255.255.0
wendy(config-if)#no shutdown

wendy(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
```

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☐ Top

PC2

Physical Config Desktop Programming Attributes

IP Configuration

InterfaceFastEthernet0

IP Configuration

☐ DHCP☒ Static

IPv4 Address192.168.1.2

Subnet Mask255.255.255.0

Default Gateway0.0.0.0

DNS Server0.0.0.0

IPv6 Configuration

☐ Automatic☒ Static

IPv6 Address

Link Local AddressFE80::20C:CFFF:FEE3:E7A5

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

AuthenticationMD5

Username

Password

☐ Top

PC3

Physical

Config

Desktop

Programming

Attributes

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

DHCP

Static

IPv4 Address

192.168.2.2

Subnet Mask

255.255.255.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

Automatic

Static

IPv6 Address

Link Local Address

FE80::2D0:58FF:FE13:E6B2

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

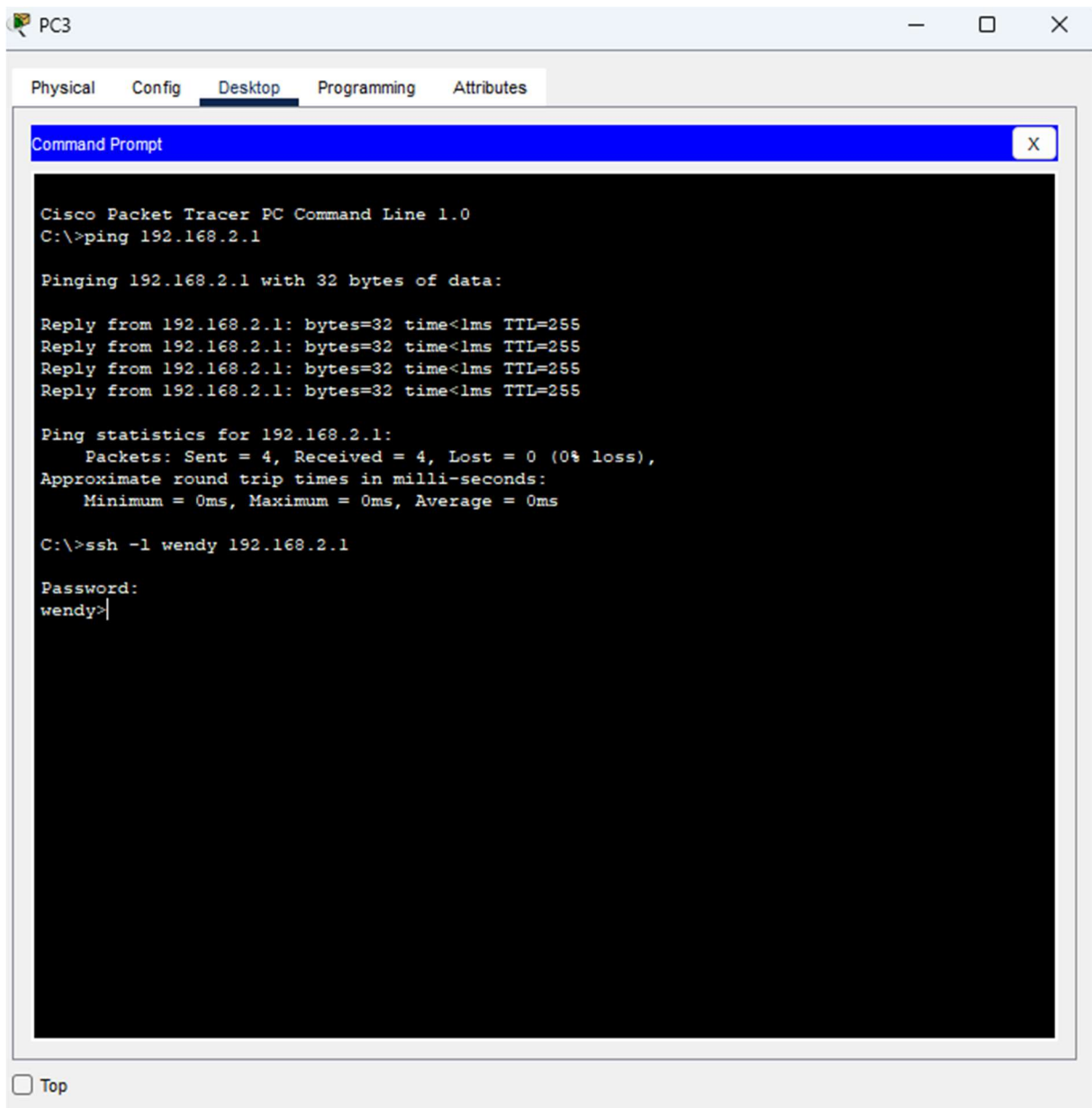
MD5

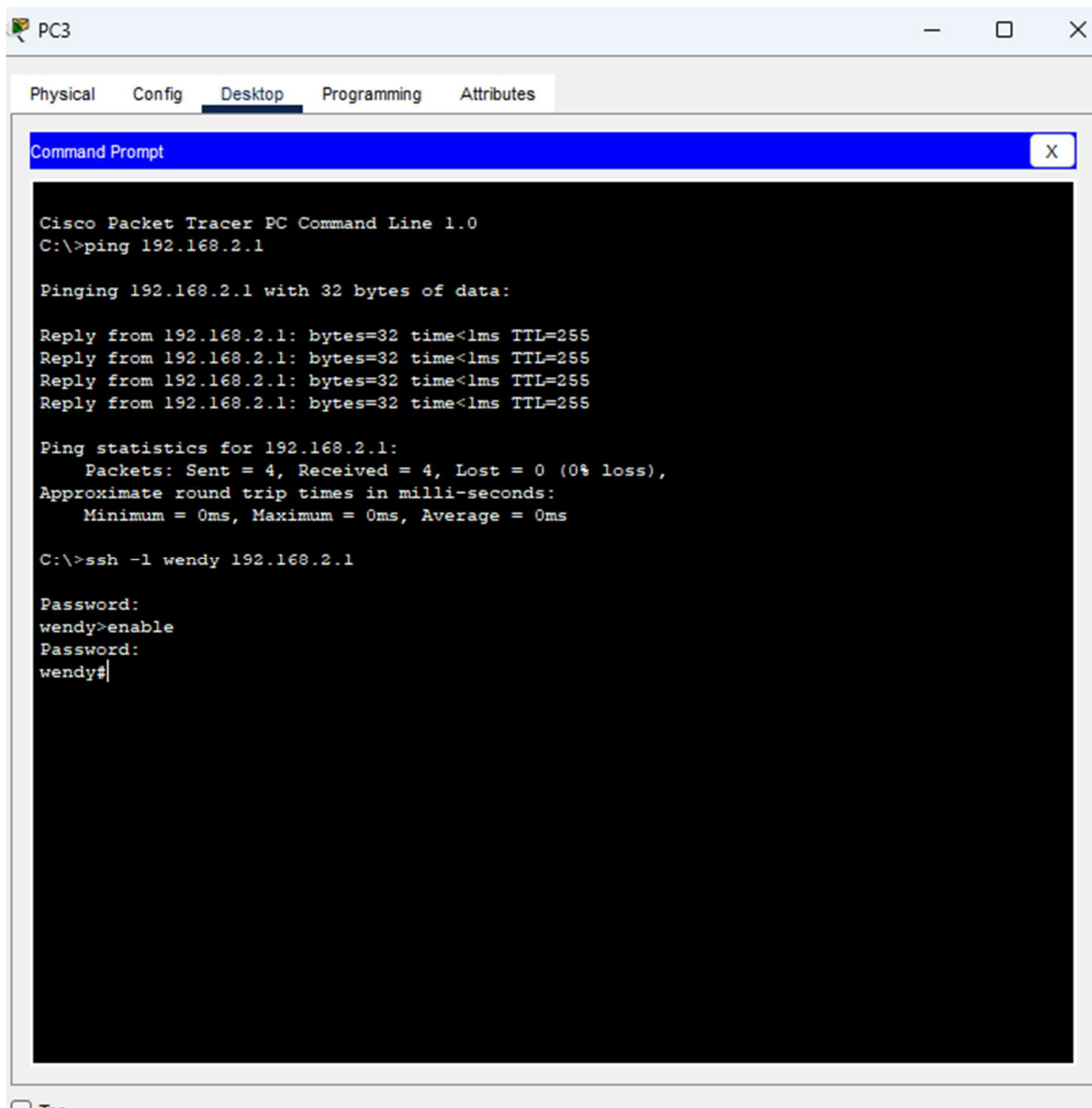
Username

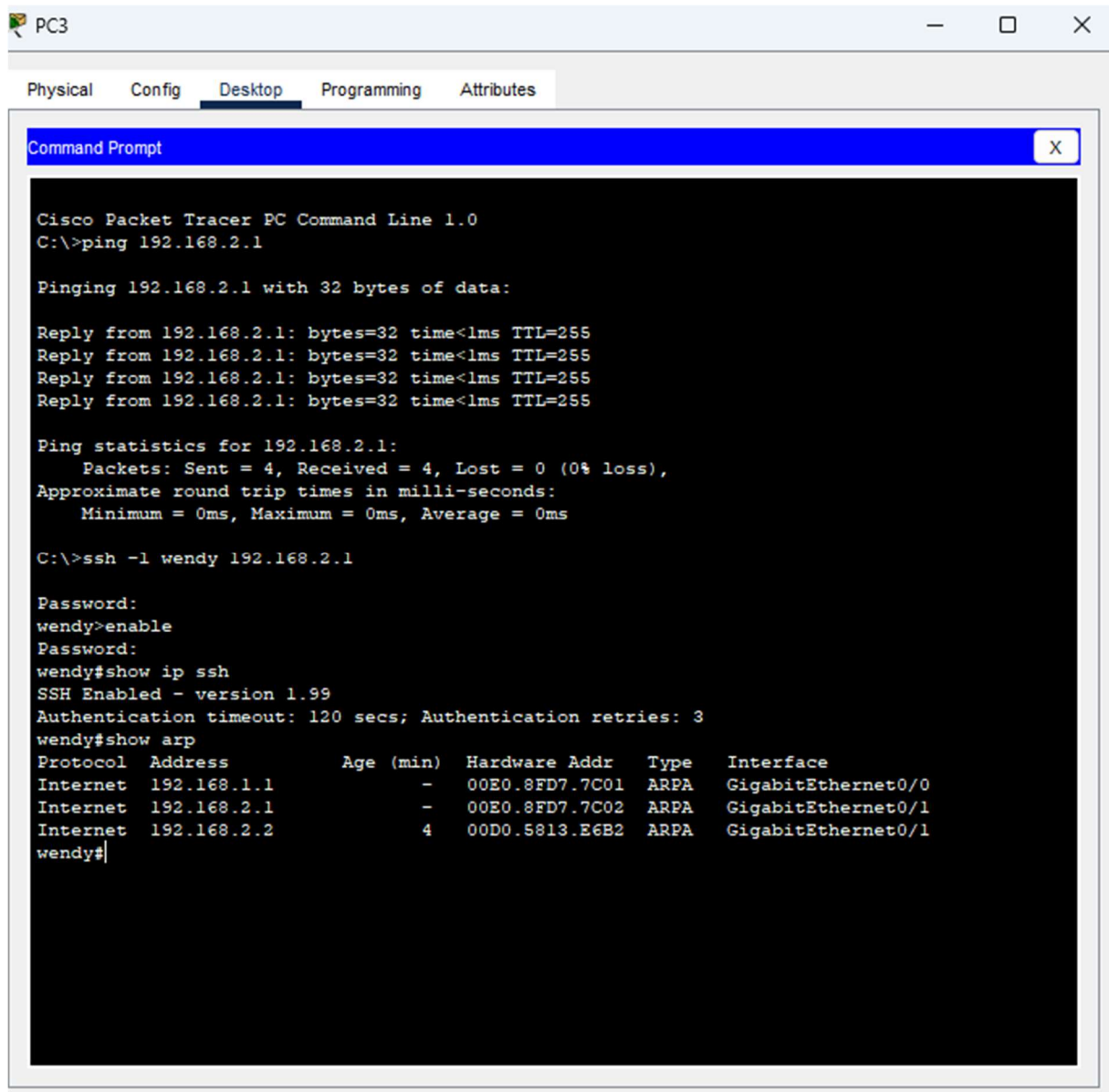
Password

Top



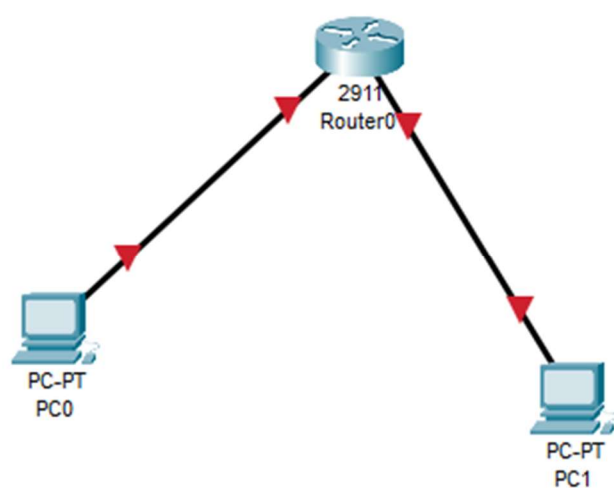






## 2. Configuration du protocole telnet

ow Help



Scenario 0

Fire

New

Delete

## IOS Command Line Interface

```
3 Gigabit Ethernet interfaces
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)

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: n

Press RETURN to get started!

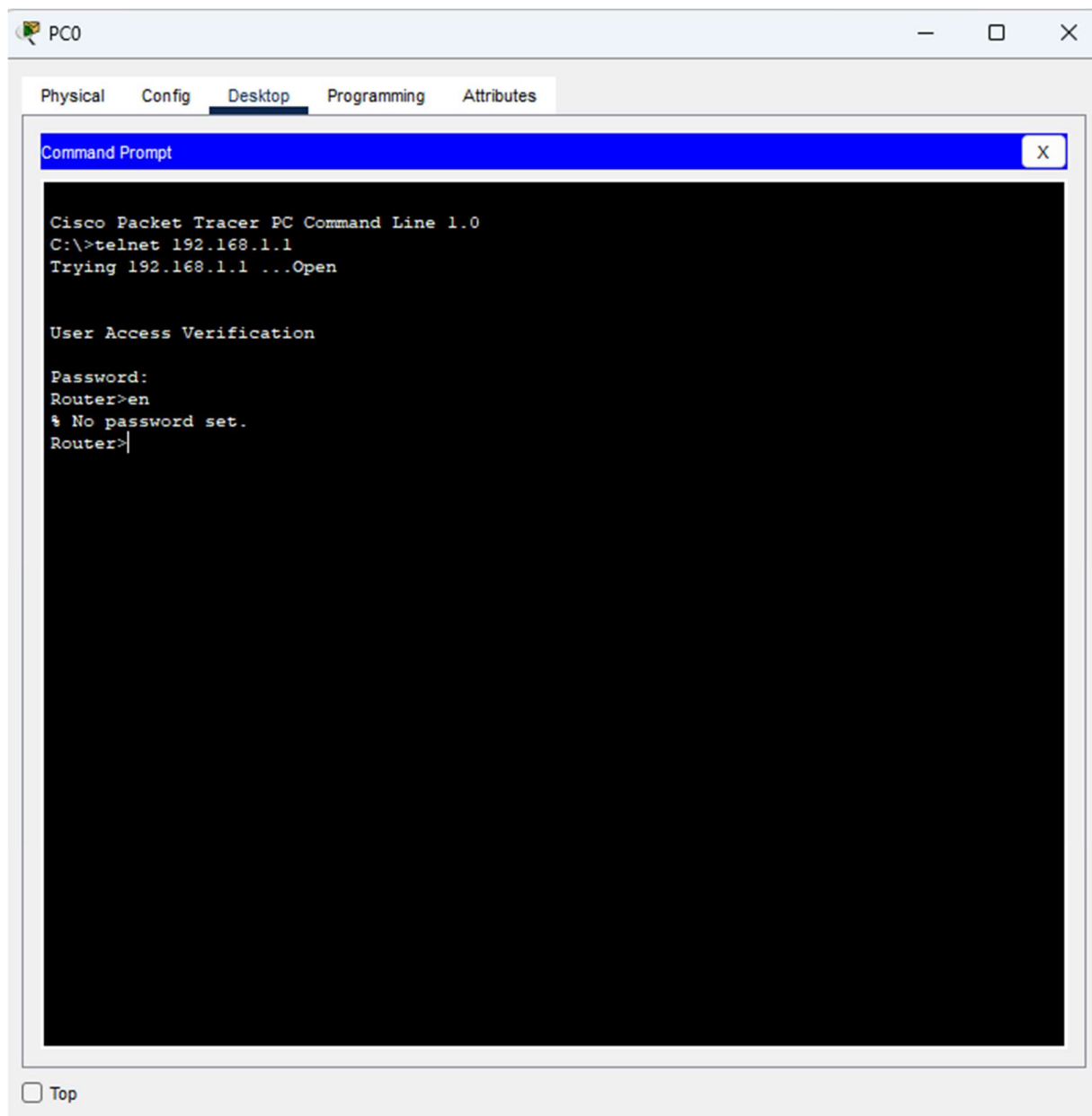
Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface Gig0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up
exit
Router(config)#interface Gig0/1
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
exit
Router(config)#line vty 0 4
Router(config-line)#password wendy
Router(config-line)#login
Router(config-line)#enable secret wendy
Router(config)#
```

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## Conclusion

J'ai réalisé ce travail en utilisant les documents du cours et quelques autres résultats de recherches sur le net concernant les protocoles telnet et ssh.