

FACULTÉ DES SCIENCES ET DES TECHNOLOGIES

(FST)

Troisieme Annee

RAPPORT

Sur le travail de Laboratoire #07

COURS

Reseau I

PROFESSEUR

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PREPARE PAR:

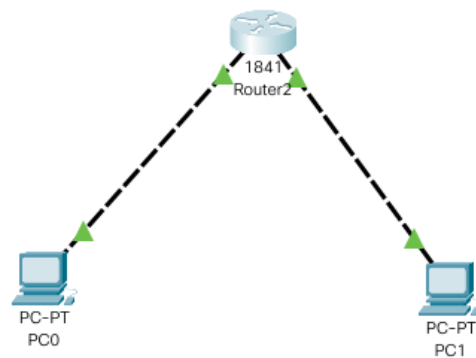
Peterson CHERY

SESSION

I

15/12/2024

1. Reproduction d'une Topologie en configurant le protocole SSH.



```
Router>enable
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#int f0/0
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#no shut

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)#no shutdown
R1(config-if)#exit
R1(config)#int f0/1
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)#ip domain-name peter.com
R1(config)#crypto key generate rsa
The name for the keys will be: R1.peter.com
Choose the size of the key modulus in the range of 360 to 2048 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]
```

```
R1(config-if)#exit
R1(config)#ip domain-name peter.com
R1(config)#crypto key generate rsa
The name for the keys will be: R1.peter.com
Choose the size of the key modulus in the range of 360 to 2048 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]

R1(config)#username admin privilege 15 secret admin123
*Mar 1 0:3:30.57: %SSH-5-ENABLED: SSH 1.99 has been enabled
R1(config)#line vty 0 10
R1(config-line)#transport input ssh
R1(config-line)#login local
R1(config-line)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#write memory
Building configuration...
[OK]
R1#
```

```

Ping statistics for 192.168.1.6:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.2.6

Pinging 192.168.2.6 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.6: bytes=32 time<1ms TTL=127
Reply from 192.168.2.6: bytes=32 time<1ms TTL=127
Reply from 192.168.2.6: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.2.6:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ssh -l admin 192.168.1.1

Password:

R1#show ip ssh
SSH Enabled - version 1.99
Authentication timeout: 120 secs; Authentication retries: 3
R1#

```

Physical
Config
Desktop
Programming
Attributes

SSH Client

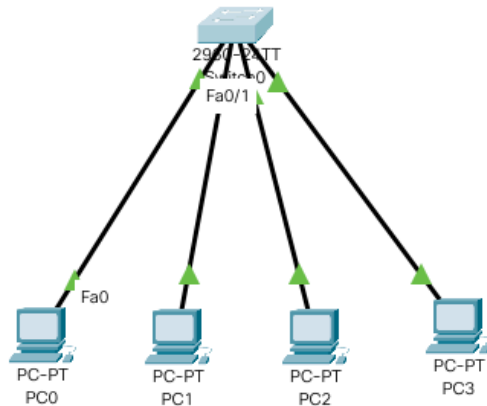
Password:

R1#show arp

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	192.168.1.1	-	0030.F286.B101	ARPA	FastEthernet0/0
Internet	192.168.1.5	3	0007.EC8A.C07E	ARPA	FastEthernet0/0
Internet	192.168.2.1	-	0030.F286.B102	ARPA	FastEthernet0/1
Internet	192.168.2.6	3	0002.4A6B.2AED	ARPA	FastEthernet0/1

R1#

2. Reproduction d'une Topologie en configurant et testant le protocole Telnet.



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

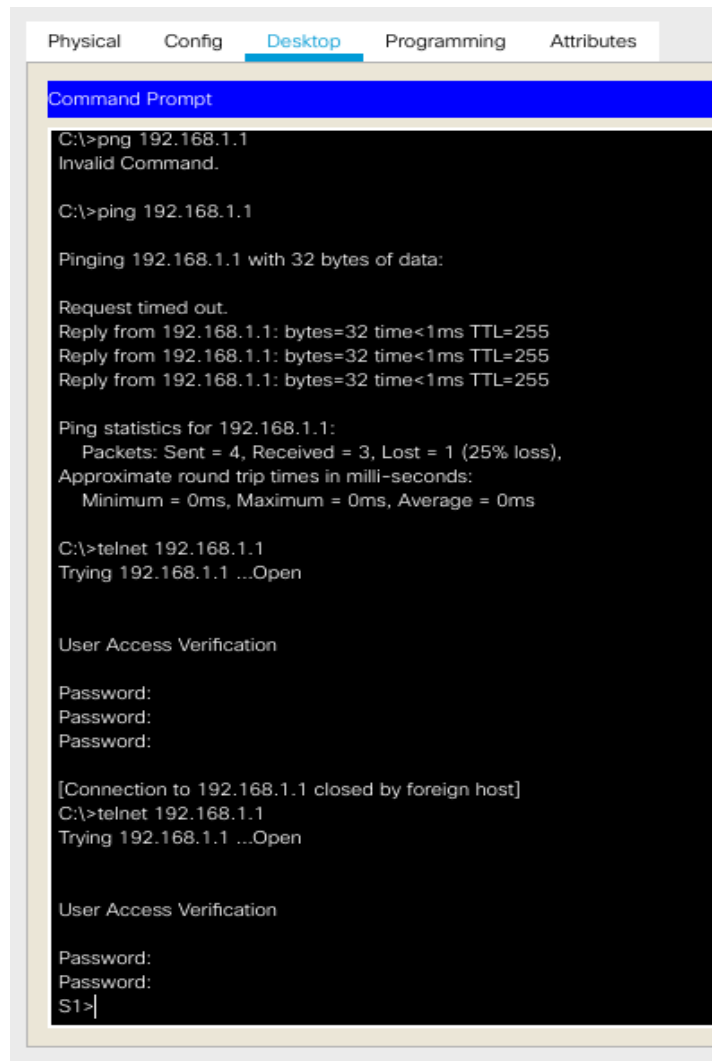
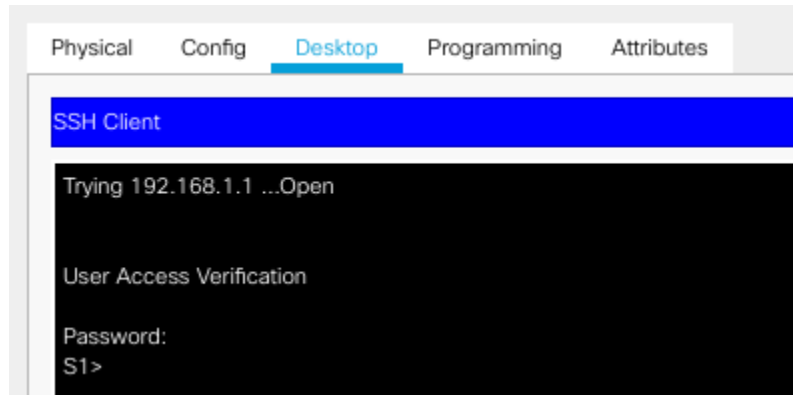
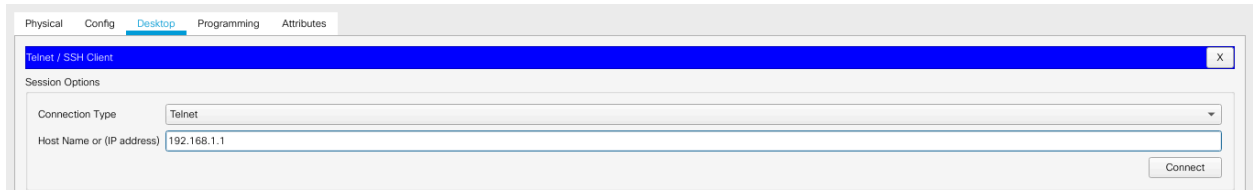
Switch(config)#hostname S1
S1(config)#int vlan 1
S1(config-if)#ip address 192.168.1.1 255.255.255.0
S1(config-if)#no shut

S1(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up

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

S1(config-if)#exit
S1(config)#line vty 0 4
S1(config-line)#login
% Login disabled on line 1, until 'password' is set
% Login disabled on line 2, until 'password' is set
% Login disabled on line 3, until 'password' is set
% Login disabled on line 4, until 'password' is set
% Login disabled on line 5, until 'password' is set
S1(config-line)#admin1234
      ^
% Invalid input detected at '^' marker.

S1(config-line)#password cisco
S1(config-line)#login
S1(config-line)#enable secret cisco
S1(config)#exit
S1#
%SYS-5-CONFIG I: Configured from console by console
```



Conclusion:

J'ai appris les competences necessaires pour reproduire une topologie et en configurant le protocole SSH puis de tester le protocole Telnet.