

FACULTÉ DES SCIENCES ET DES TECHNOLOGIES (FST)

Troisième année

RAPPORT

Sur le Travail de Laboratoire Nº3

COURS

Réseaux II

Professeur

Ismaël SAINT AMOUR

PRÉPARÉ PAR

Peterson CHERY

SEMESTRE

Ш

1. Reproduction de cette topologie en configurant le protocole Telnet.



Configuration des routeurs

```
ijube 💌 Gmaii 🔤 iraduire 💌 Gmaii 🛂 YouTube 💌 iviaps 😽
 🧬 R1
                                                                           \times
R1#1.895: %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administr ^
atively down
R1#en
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#hostname routeur1
routeur1(config)#int f0/0
routeur1(config-if)#ip address 192.168.1.1 255.255.255.0
routeur1(config-if)#no sh
routeur1(config-if)#exit
*Apr 25 12:39:21.399: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state t
*Apr 25 12:39:22.399: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/0, changed state to up
routeur1(config-if)#exit
```

```
₽ R2
                                                                                                      X
Copyright (c) 1986-2011 by Cisco Systems, Inc.
Compiled Fri 04-Mar-11 06:49 by prod_rel_team
*Apr 25 12:37:50.659: %SNMP-5-COLDSTART: SNMP agent on host R2 is undergoing a c
old start
Apr 25 12:37:50.735: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
t0/0, changed state to down
*Apr 25 12:37:50.755: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is OFF
*Apr 25 12:37:50.755: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
*Apr 25 12:37:52.015: %LINK-5-CHANGED: Interface FastEthernet0/0, changed state
R2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#hostname routeur2
routeur2(config)#int f0/0
routeur2(config-if)#ip address 192.168.1.2 255.255.255.0
routeur2(config-if)#no sh
routeur2(config-if)#exit
routeur2(config)#
Apr 25 12:40:12.127: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state t
 Apr 25 12:40:13.215: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
 t0/0, changed state to up
```

• Configuration du protocole Telnet sur le routeur 1

```
routeur1(config-if)#exit
routeur1(config)#line vty 0 4
routeur1(config-line)#password 1234
routeur1(config-line)#login
routeur1(config-line)#transport input telnet
routeur1(config-line)#exit
routeur1(config)#show running-config | include line vty

% Invalid input detected at '^' marker.

routeur1(config)#exit
```

• Testez la connectivité sur le routeur 2

```
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.1, timeout is 2 seconds:
.!!!!
Success rate is 80 percent (4/5), round-trip min/avg/max = 64/83/92 ms
routeur2#telnet 192.168.1.1
Trying 192.168.1.1 ... Open

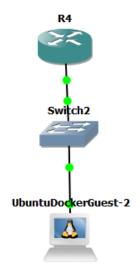
User Access Verification

Password:
routeur1>
[Connection to 192.168.1.1 closed by foreign host]
routeur2#
```

• Vérification du protocole Telnet

```
routeur1#show running-config | include line vty
line vty 0 4
routeur1#
```

• Deuxième Topologies



Configuration du routeur

```
*Mar 1 00:00:14.555: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern ct0/1, changed state to down
*Mar 1 00:00:14.559: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern ct0/0, changed state to down

*R4#

R4#

R4#en

R4#conf t

Enter configuration commands, one per line. End with CNTL/Z.

R4(config)#hostname routbenn

routbenn(config)#interface FastEthernet0/0

routbenn(config-if)#ip address 192.168.1.1 255.255.255.0

routbenn(config-if)#exit

routbenn(config)#

*Mar 1 00:01:22.319: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up

*Mar 1 00:01:23.319: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
routbenn(config)#line vty 0 4

routbenn(config-line)#password 1234

routbenn(config-line)#transport input telnet
routbenn(config-line)#transport input telnet
routbenn(config-line)#exit
routbenn(config-line)#exit
```

• Configuration du PC

```
# Uncomment this line to load custom interface files
# Uncomment this line to load custom interface files
# source /etc/network/interfaces.d/*
# Static config for eth0
auto eth0
iface eth0 inet static
    address 192.168.1.2
    netmask 255.255.255.0
    gateway 192.168.1.1
    up echo nameserver 192.168.0.1 > /etc/resolv.conf
# DHCP config for eth0
# auto eth0
# iface eth0 inet dhcp
# hostname UbuntuDockerGuest-1

**C Help **O Write Out **N Where Is **K Cut **T Execute **C Location **N Exit **R Read File **N Replace **N Paste **J Justify **/ Go To Line **Y Execute **C Location **N Exit **R Read File **N Replace **N Paste **J Justify **/ Go To Line **Y Execute **C Location **N Exit **R Read File **N Replace **N Paste **J Justify **/ Go To Line **
```

```
UbuntuDockerGuest-2:~

UbuntuDockerGuest-2 console is now available... Press RETURN to get started. root@UbuntuDockerGuest-2:~# ifconfig eth0: flags=4163<UP, RROADCAST, RUNNING, WULTICAST> mtu 1500 inet6 fe80::42:62ff:fe81:6400 prefixlen 64 scopeid 0x20k) ether 02:42:62:81:64:00 txqueuelen 1000 (Ethernet) RX packets 0 bytes 0 (0.0 B) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 7 bytes 586 (586.0 B) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK, RUNNING> mtu 65536 inet 127.0.0.1 netmask 255.0.0.0 inet6 ::1 prefixlen 128 scopeid 0x10
loop txqueuelen 1000 (Local Loopback) RX packets 0 bytes 0 (0.0 B) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 0 bytes 0 (0.0 B) TX errors 0 dropped 0 overruns 0 frame 0 TX packets 0 bytes 0 (0.0 B) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

• Commande Telnet sur le PC

```
root@UbuntuDockerGuest-2:~# telnet 192.168.1.1
Trying 192.168.1.1...
Connected to 192.168.1.1.
Escape character is '^]'.

User Access Verification
Password:
routbenn>
```

• Vérifier la configuration Telnet

```
routbenn(config)#exit
routbenn#en
*Mar 1 00:23:11.279: %SYS-5-CONFIG_I: Configured from console by console
routbenn#show running-config | include line vty
line vty 0 4
routbenn#
```

2. Reproduction de cette topologie en configurant le protocole SSH.



• Configuration du Routeur

```
R1#en
R1#
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#hostname R1peter
R1peter(config)#int f0/0
R1peter(config-if)#ip address 192.168.1.1 255.255.255.0
R1peter(config-if)#Routeur1(config-if)# no shutdown

"""

**Invalid input detected at '^' marker.

R1peter(config-if)#Routeur1(config-if)# exit

""

**Invalid input detected at '^' marker.

R1peter(config-if)#ip address 192.168.1.1 255.255.255.0
R1peter(config-if)#ip address 192.168.1.1 255.255.255.0
R1peter(config-if)#exit

**Apr 26 07:11:56.455: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up

**Apr 26 07:11:57.455: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
R1peter(config-if)#exit
R1peter(config)#
```

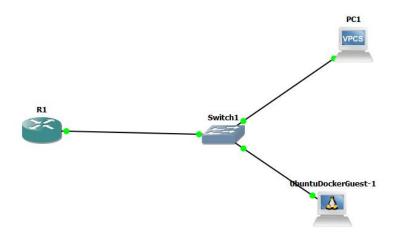
• Configuration du protocole SSH sur le Routeur

```
🔑 R1
  % Invalid input detected at '^' marker.
 R1peter(config)#ip domain-name petergraphic.com
 R1peter(config)#crypto key generate rsa
 The name for the keys will be: R1peter.petergraphic.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]: 2048
  % Generating 2048 bit RSA keys, keys will be non-exportable...
  *Apr 26 07:27:31.859: %SYS-3-CPUHOG: Task is running for (2020)msecs, more than
  (2000)msecs (0/0),process = crypto sw pk proc.
  -Traceback= 0x63086DDCz 0x6392B88Cz 0x6395448Cz 0x63954B04z 0x63951FE0z 0x639524
  04z 0x63952640z 0x639536F0z 0x6307E640z 0x6307E624z
  Apr 26 07:27:32.987: %SYS-3-CPUYLD: Task ran for (3148)msecs, more than (2000)m
 secs (0/0),process = crypto sw pk proc[OK]
 R1peter(config)#
  *Apr 26 07:27:39.731: %SSH-5-ENABLED: SSH 1.99 has been enabled
 R1peter(config)#username admin secret 1234
 R1peter(config)#line vty 0 4
  R1peter(config-line)#transport input ssh
  R1peter(config-line)#login local
 R1peter(config-line)#exit
 R1peter(config)#ip ssh version 2
 R1peter(config)#ssh time-out 60
 % Invalid input detected at '^' marker.
 R1peter(config)#ssh authentification-retries 5
 % Invalid input detected at '^' marker.
R1peter(config)#end
 R1peter#
  *Apr 26 07:38:20.203: %SYS-5-CONFIG I: Configured from console by console
 R1peter#wr
  Building configuration...
  [OK]
```

₽ R2

```
peter (config-if)#
ppter(config-if)#
ppr 26 09:19:30.183: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
0/0, sourced by ca01.14f4.0000
ppter(config-if)#exit
ppter(config-if)#exit
ppter(config-if)#exit
Apr 26 09:19:33.135: %LINEPROTO-5-UPI
t0/0, changed state to up
2peter(config-if)#exit
2peter(config)#ssh admin@192.168.1.1
Invalid input detected at '^' marker
ppeter (config)#
Apr 26 09:20:01.103: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
10/0, sourced by ca01.14f4.0000
Ppeter(config)#exit
     26 09:20:11.035: %SYS-5-CONFIG_I: Configured from console by console er#ssh admin@192.168.1.1
user specified nor available for SSH client
          . 09:20:31.339: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern sourced by ca01.14f4.0000
     ter#
26 09:21:01.355: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
8, sourced by ca01.14f4.0000
     26 09:21:31.371: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
, sourced by ca01.14f4.0000
     26 09:22:01.627: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
, sourced by ca01.14f4.0000
      26 09:22:31.631: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
, sourced by ca01.14f4.0000
    26 09:23:01.639: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
0. sourced by ca01.14f4.0800
 peter#
pr 26 09:23:33.367: %IP-4-DUPADDR: Duplicate address 192.168.1.1 on FastEthern
0/0, sourced by ca01.14f4.0000
```

3. Reproduction de cette topologie en configurant le protocole SSH.



Configuration du routeur

```
I INO SDAC... FREAGING I FREAGING Z THE SUBLICE SUBLICE FIN... EMBINASIS
🧬 R1
                                                                         X
et0/1, changed state to down
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#hostname R1graphic
R1graphic(config)#int f0/0
R1graphic(config-if)#ip address 192.168.1.1 255.255.255.0
R1graphic(config-if)#no sh
R1graphic(config-if)#exit
R1graphic(config)#
*Mar   1 00:01:56.751: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state t
*Mar   1 00:01:57.751: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/0, changed state to up
R1graphic(config)#ip domain-name petergraphic.com
```

Configuration du protocole SSH routeur

```
Rigraphic(config)#ip domain-name petergraphic.com
Rlgraphic(config)#crypto key generate rsa
The name for the keys will be: Rigraphic.petergraphic.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]
Rigraphic(config)#
*Mar 1 00:02:46:379: %SSH-5-ENABLED: SSH 1.99 has been enabled
Rigraphic(config)#line vty 0 4
Rigraphic(config)#line vty 0 4
Rigraphic(config)#line)#transport input ssh
Rigraphic(config-line)#transport input ssh
Rigraphic(config-line)#exit
Rigraphic(config-line)#exit
Rigraphic(config)#ip ssh version 2
Rigraphic(config)#ssh time-out 50

% Invalid input detected at '^' marker.

Rigraphic(config)#ssh time-out 60
% Invalid input detected at '^' marker.

Rigraphic(config)#ssh authentification-retries 5
% Invalid input detected at '^' marker.

Rigraphic(config)#shand
Rigraphic(#
Rigraphic(#
Rigraphic(#)
*Mar 1 00:04:19.243: %SYS-5-CONFIG_I: Configured from console by console
Rigraphic(#)
Rigraphic
```

• Configuration du PC Ubuntu

```
GNU nano 7.2 /etc/ssh/ssh_config

# Any configuration value is only changed the first time it is set.

# Thus, host-specific definitions should be at the beginning of the

# configuration file, and defaults at the end.

# Site-wide defaults for some commonly used options. For a comprehensive

# list of available options, their meanings and defaults, please see the

# ssh_config(5) man page.

Include /etc/ssh/ssh_config.d/*.conf

Host 192.168.1.1

KexAlgorithms +diffie-hellman-group1-sha1

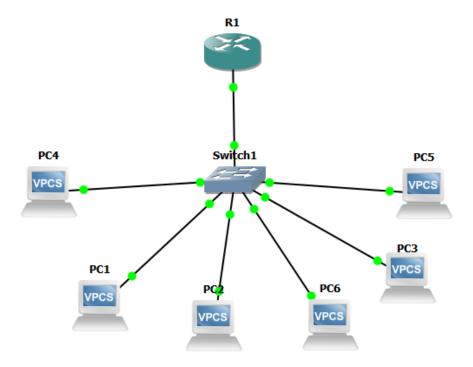
HostKeyAlgorithms +ssh-rsa
Ciphers +aes128-cbc

# ForwardAgent no
```

Vérification la configuration Ssh

```
R1graphic#show ip ssh
SSH Enabled - version 2.0
Authentication timeout: 120 secs; Authentication retries: 3
R1graphic#show ssh
%No SSHv2 server connections running.
%No SSHv1 server connections running.
R1graphic#
```

4. Reproduction d'une topologie en configurant le serveur DNS.



• Configuration du routeur

```
R1#en
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#hostname R1ismael
R1ismael(config)#int f0/0
R1ismael(config-if)#ip address 192.168.1.1 255.255.255.0
R1ismael(config-if)#no sh
R1ismael(config-if)#ex
*Apr 26 10:02:14.791: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Apr 26 10:02:15.791: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern et0/0, changed state to up
R1ismael(config-if)#exit
R1ismael(config)#
```

Configuration les adresses IP des PC

PC5>

```
PC1> ip 192.168.1.2 255.255.255.0 192.168.1.1
                                                                                    PC2> ip 192.168.1.3 255.255.255.0 192.168.1.1
 Checking for duplicate address...
                                                                                    Checking for duplicate address...
PC2 : 192.168.1.3 255.255.255.0 gateway 192.168.1.1
 PC1 : 192.168.1.2 255.255.255.0 gateway 192.168.1.1
 PC1>
                                                                                    PC2>
                                                                                    PC4> ip 192.168.1.5 255.255.255.0 192.168.1.1
PC3> ip 192.168.1.4 255.255.255.0 192.168.1.1
                                                                                    Checking for duplicate address...
Checking for duplicate address...
PC3 : 192.168.1.4 255.255.255.0 gateway 192.168.1.1
                                                                                    PC4 : 192.168.1.5 255.255.255.0 gateway 192.168.1.1
                                                                                    PC4>
PC3>
  PC5> ip 192.168.1.6 255.255.255.0 192.168.1.1
                                                                               PC6> ip 192.168.1.7 255.255.255.0 192.168.1.1
Checking for duplicate address...
PC6 : 192.168.1.7 255.255.255.0 gateway 192.168.1.1
  Checking for duplicate address...
PC5: 192.168.1.6 255.255.255.0 gateway 192.168.1.1
```

PC6>

• Configuration du serveur DNS sur le routeur

```
R1ismael#en
R1ismael#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1ismael(config)#ip dns server
R1ismael(config)#ip host pc1.local 192.168.1.2
R1ismael(config)#ip host pc2.local 192.168.1.3
R1ismael(config)#ip host pc3.local 192.168.1.4
R1ismael(config)#ip host google.com 8.8.8.8
R1ismael(config)#ip name-server 8.8.8.8
R1ismael(config)#ip domain-lookup
R1ismael(config)#
```

• Tester la connectivité

```
PC1> ping 192.168.1.1

84 bytes from 192.168.1.1 icmp_seq=1 ttl=255 time=46.112 ms
84 bytes from 192.168.1.1 icmp_seq=2 ttl=255 time=16.489 ms
84 bytes from 192.168.1.1 icmp_seq=3 ttl=255 time=3.313 ms
84 bytes from 192.168.1.1 icmp_seq=4 ttl=255 time=2.452 ms
84 bytes from 192.168.1.1 icmp_seq=5 ttl=255 time=2.876 ms

PC1>
```

```
PC2> ping 192.168.1.1

84 bytes from 192.168.1.1 icmp_seq=1 ttl=255 time=15.105 ms
84 bytes from 192.168.1.1 icmp_seq=2 ttl=255 time=3.026 ms
84 bytes from 192.168.1.1 icmp_seq=3 ttl=255 time=3.831 ms
84 bytes from 192.168.1.1 icmp_seq=4 ttl=255 time=4.119 ms
84 bytes from 192.168.1.1 icmp_seq=5 ttl=255 time=3.975 ms

PC2>
```

```
PC3> ping 192.168.1.1

84 bytes from 192.168.1.1 icmp_seq=1 ttl=255 time=14.912 ms
84 bytes from 192.168.1.1 icmp_seq=2 ttl=255 time=16.307 ms
84 bytes from 192.168.1.1 icmp_seq=3 ttl=255 time=15.588 ms
84 bytes from 192.168.1.1 icmp_seq=4 ttl=255 time=13.958 ms
84 bytes from 192.168.1.1 icmp_seq=5 ttl=255 time=15.285 ms

PC3>
```

• Configuration du serveur DNS sur les PC

• Tester la résolution DNS

```
PC1> ping pc2.local pc2.local resolved to 192.168.1.3

84 bytes from 192.168.1.3 icmp_seq=1 ttl=64 time=0.354 ms 84 bytes from 192.168.1.3 icmp_seq=2 ttl=64 time=0.582 ms 84 bytes from 192.168.1.3 icmp_seq=3 ttl=64 time=0.488 ms 84 bytes from 192.168.1.3 icmp_seq=4 ttl=64 time=0.590 ms 84 bytes from 192.168.1.3 icmp_seq=5 ttl=64 time=0.599 ms

PC1>
```

```
PC2> ping pc3.local
pc3.local resolved to 192.168.1.4

84 bytes from 192.168.1.4 icmp_seq=1 ttl=64 time=0.408 ms
84 bytes from 192.168.1.4 icmp_seq=2 ttl=64 time=0.507 ms
84 bytes from 192.168.1.4 icmp_seq=3 ttl=64 time=0.447 ms
84 bytes from 192.168.1.4 icmp_seq=4 ttl=64 time=0.399 ms
84 bytes from 192.168.1.4 icmp_seq=5 ttl=64 time=0.416 ms

PC2>
```

```
PC3> ping pc1.local
pc1.local resolved to 192.168.1.2

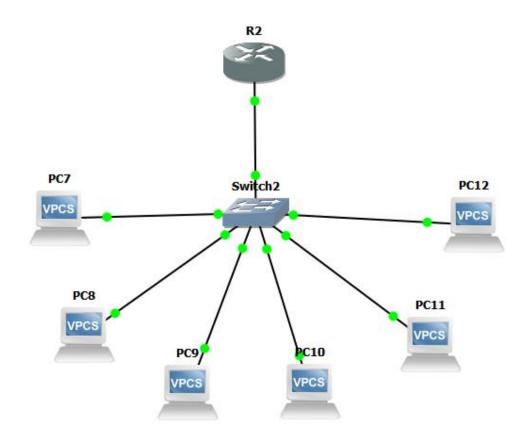
84 bytes from 192.168.1.2 icmp_seq=1 ttl=64 time=0.409 ms
84 bytes from 192.168.1.2 icmp_seq=2 ttl=64 time=0.379 ms
84 bytes from 192.168.1.2 icmp_seq=3 ttl=64 time=0.472 ms
84 bytes from 192.168.1.2 icmp_seq=4 ttl=64 time=0.430 ms
84 bytes from 192.168.1.2 icmp_seq=5 ttl=64 time=0.468 ms

PC3>
```

Vérification de la configuration DNS

```
R1ismael#show ip dns view
DNS View default parameters:
Logging is off
DNS Resolver settings:
  Domain lookup is enabled
  Default domain name:
  Domain search list:
  Lookup timeout: 3 seconds
  Lookup retries: 2
  Domain name-servers:
    8.8.8.8
DNS Server settings:
  Forwarding of queries is enabled
  Forwarder timeout: 3 seconds
  Forwarder retries: 2
  Forwarder addresses:
R1ismael#
```

5. Reproduction d'une topologie en configurant le serveur DHCP.



• Configuration du routeur

```
R2#en
R2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#hostname Routeur1
Routeur1(config)#int f0/0
Routeur1(config-if)#ip address 192.168.1.1 255.255.255.0
Routeur1(config-if)#no sh
Routeur1(config-if)#exit
Routeur1(config)#
*Mar 1 00:13:29.227: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Mar 1 00:13:30.227: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Routeur1(config)#
```

Configuration du serveur DHCP

```
Routeur1(config)#ip dhcp pool LAN_POOL
Routeur1(dhcp-config)#network 192.168.1.0 255.255.255.0
Routeur1(dhcp-config)#default-router 192.168.1.1
Routeur1(dhcp-config)#dns-server 8.8.8.8
Routeur1(dhcp-config)#exit
Routeur1(config)#ip dhcp excluded-address 192.168.1.1 192.168.1.10
Routeur1(config)#
```

• Configuration des PC pour utiliser DHCP

```
PC7> ip dhcp
DDORA IP 192.168.1.11/24 GW 192.168.1.1
PC7> show ip
NAME
          : PC7[1]
IP/MASK
          : 192.168.1.11/24
GATEWAY
          : 192.168.1.1
          : 8.8.8.8
DNS
DHCP SERVER : 192.168.1.1
DHCP LEASE : 86134, 86400/43200/75600
         : 00:50:79:66:68:06
MAC
LPORT
          : 20042
RHOST:PORT : 127.0.0.1:20043
          : 1500
MTU
PC7>
```

```
PC9> ip dhcp
DDORA IP 192.168.1.13/24 GW 192.168.1.1
PC9> show ip
NAME
          : PC9[1]
          : 192.168.1.13/24
IP/MASK
GATEWAY
          : 192.168.1.1
DNS
          : 8.8.8.8
DHCP SERVER : 192.168.1.1
DHCP LEASE : 86122, 86400/43200/75600
           : 00:50:79:66:68:08
MAC
          : 20046
LPORT
RHOST:PORT : 127.0.0.1:20047
MTU
          : 1500
PC9>
```

```
PC8> ip dhcp
DDORA IP 192.168.1.12/24 GW 192.168.1.1
PC8> show ip
NAME
           : PC8[1]
IP/MASK
           : 192.168.1.12/24
GATEWAY
           : 192.168.1.1
DNS
           : 8.8.8.8
DHCP SERVER : 192.168.1.1
DHCP LEASE : 86122, 86400/43200/75600
MAC : 00:50:79:66:68:07
LPORT : 20044
RHOST:PORT : 127.0.0.1:20045
           : 1500
MTU
PC8>
```

```
PC10> ip dhcp
DDORA IP 192.168.1.14/24 GW 192.168.1.1
PC10> show ip
NAME
          : PC10[1]
IP/MASK
          : 192.168.1.14/24
GATEWAY
          : 192.168.1.1
DNS
          : 8.8.8.8
DHCP SERVER : 192.168.1.1
DHCP LEASE : 86131, 86400/43200/75600
       : 00:50:79:66:68:09
MAC
          : 20048
LPORT
RHOST:PORT : 127.0.0.1:20049
          : 1500
MTU
PC10>
```

Tester les connectivités

```
PC7> ping 192.168.1.12

84 bytes from 192.168.1.12 icmp_seq=1 ttl=64 time=0.762 ms
84 bytes from 192.168.1.12 icmp_seq=2 ttl=64 time=0.433 ms
84 bytes from 192.168.1.12 icmp_seq=3 ttl=64 time=0.376 ms
84 bytes from 192.168.1.12 icmp_seq=4 ttl=64 time=0.490 ms
84 bytes from 192.168.1.12 icmp_seq=5 ttl=64 time=0.376 ms

PC7>
```

```
PC10> ping 192.168.1.12

84 bytes from 192.168.1.12 icmp_seq=1 ttl=64 time=0.274 ms
84 bytes from 192.168.1.12 icmp_seq=2 ttl=64 time=0.456 ms
84 bytes from 192.168.1.12 icmp_seq=3 ttl=64 time=0.612 ms
84 bytes from 192.168.1.12 icmp_seq=4 ttl=64 time=0.479 ms
84 bytes from 192.168.1.12 icmp_seq=5 ttl=64 time=0.466 ms

PC10>
```

CONCLUSION:

J'ai appris les compétences nécessaires pour Configurer le protocole de Telnet, SSH, DNS et DHCP.