

# Faculté des Sciences de Technologies

# Rapport TD5 réseau

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Niveau: L3-Sciences Informatiques

#### **DESCRIPTION:**

→ Apprendre à configure un serveur DHCP, DNS ainsi qu'un routeur comme serveur DHCP

#### Configuration Routeur:

```
R>
R>enable
R#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R(config) #hostname R1
Rl(config) #interface FastEthernet0/0
R1(config-if) #ip address 192.168.1.1 255.255.255.0
Rl(config-if) #no shutdown
R1(config-if) #exit
R1(config)#interface FastEthernet0/1
R1(config-if) #ip address 192.168.2.1 255.255.255.0
Rl(config-if) #no shutdown
R1(config-if) #exit
Rl(config) #exit
R1#
%SYS-5-CONFIG I: Configured from console by console
Rl#show ip interface brier
Interface IP-Address OK? Method Status
FastEthernet0/0 192.168.1.1 YES manual up up
FastEthernet0/1 192.168.2.1 YES manual up up
unassigned YES unset administratively down down
                                                                                                                    Protocol

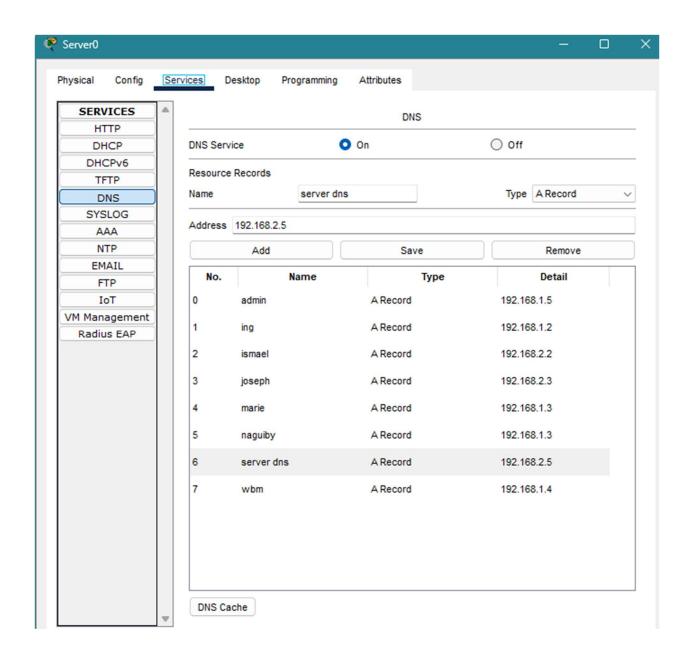
        Protocol Address
        Age (min)
        Hardware Addr
        Type
        Interface

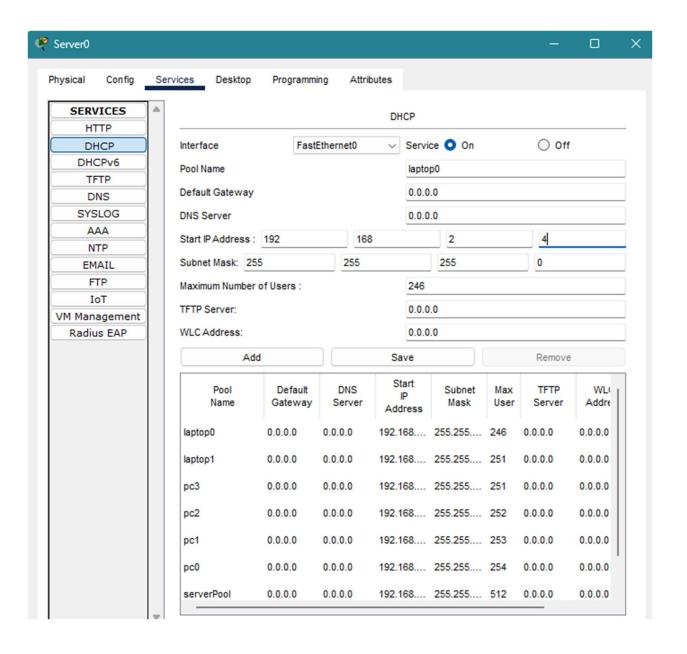
        Internet 192.168.1.1
        - 0006.2A52.4B01
        ARPA
        FastEthernet0/0

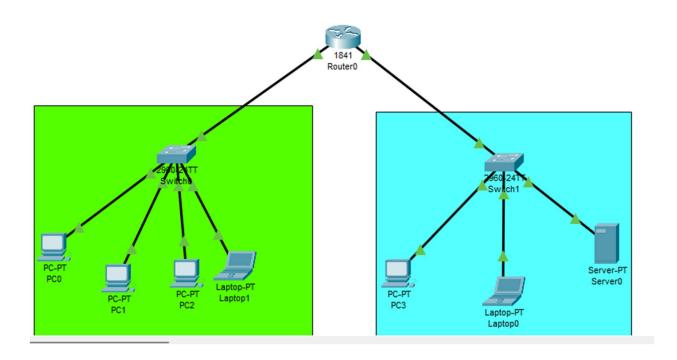
        Internet 192.168.2.1
        - 0006.2A52.4B02
        ARPA
        FastEthernet0/1

R1#
                                                                                                                       Copy
                                                                                                                                          Paste
```

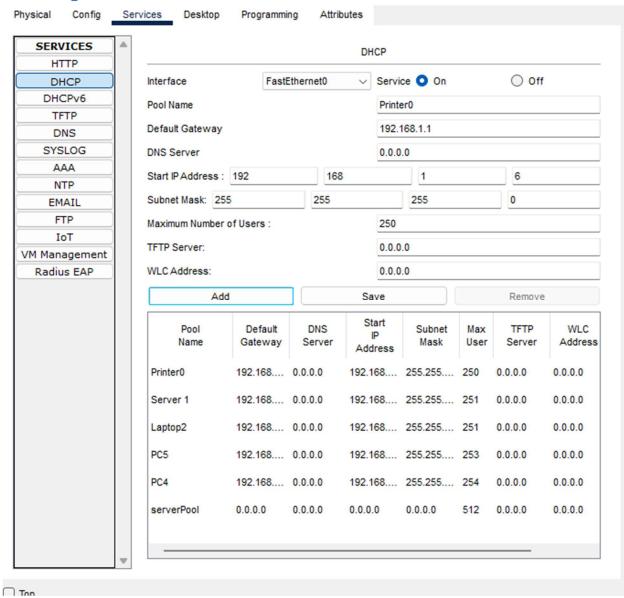
Configuration server DNS et le service DHCP

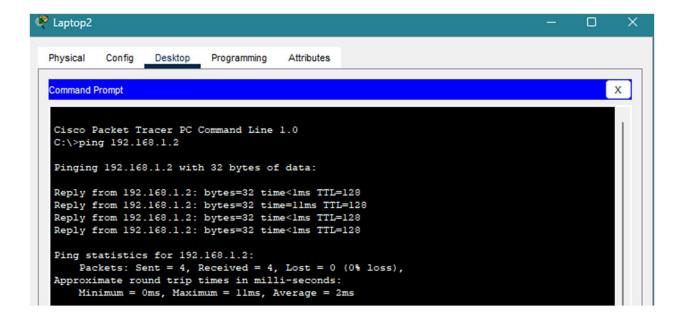




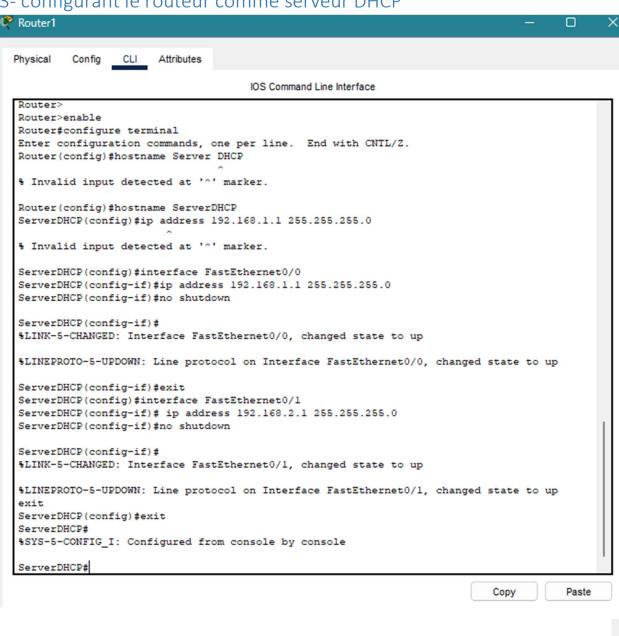


# 2- Configurer le serveur DHCP





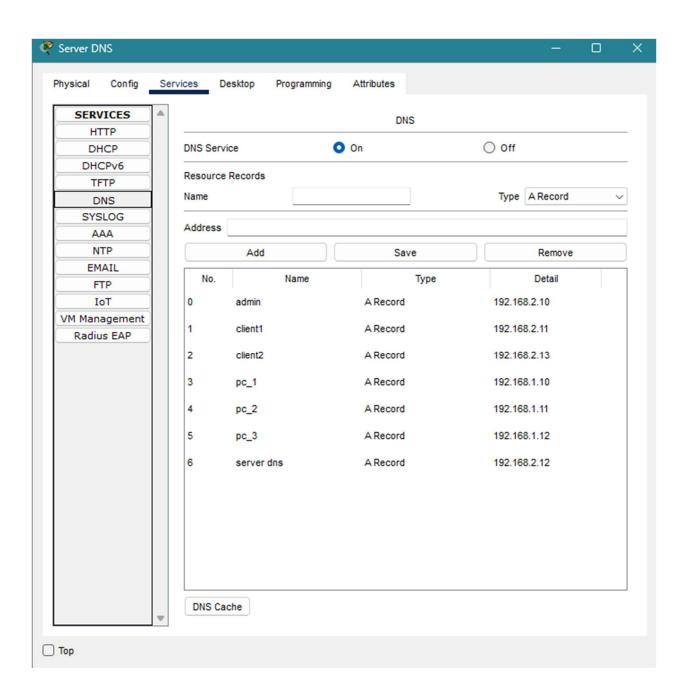
## 3- configurant le routeur comme serveur DHCP

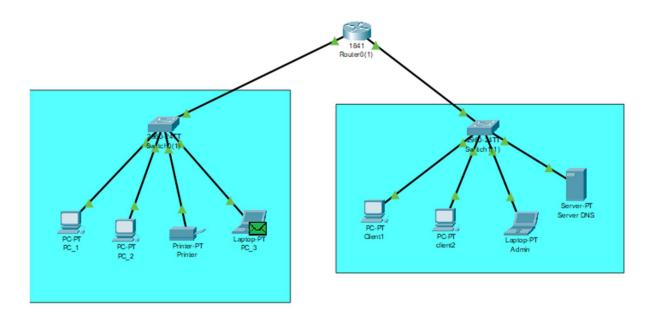


```
ServerDHCP> show arp
                         Age (min) Hardware Addr Type
- 0002.1768.E901 ARPA
                                                           Interface
FastEthernet0/0
Protocol Address
Internet 192.168.1.1
                                                           FastEthernet0/1
Internet 192.168.2.1
                                     0002.1768.E902 ARPA
ServerDHCP>show ip interface brief
                                     OK? Method Status
Interface
                      IP-Address
                                                                        Protocol
                                   YES manual up
FastEthernet0/0
                      192.168.1.1
FastEthernet0/1
                     192.168.2.1 YES manual up
                      unassigned
                                     YES unset administratively down down
Vlanl
C------DITCD
```

```
% Invalid input detected at '^' marker.
ServerDHCP>ip dhcp excluded-address 192.168.1.1
% Invalid input detected at '^' marker.
ServerDHCP> enable
ServerDHCP#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
ServerDHCP(config) #hostname S2
S2(config) #interface vlan 1
S2(config-if) # ip address 192.168.2.2 255.255.255.0
% 192.168.2.0 overlaps with FastEthernet0/1
S2(config-if) # no shutdown
S2(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
S2(config-if) #exit
S2(config) # ip default-gateway 192.168.2.1
S2(config) # exit
S2# show ip interface brief
                     IP-Address OK? Method Status
192.168.1.1 YES manual up
                                                                         Protocol
Interface
FastEthernet0/0
FastEthernet0/1 192.168.2.1 YES manual up
Vlan1 192.168.2.2 YES manual up
                                                                         down
Viani
S2# show arp
                          11
```

4- Reproduisez cette topologie en configurant le serveur DNS et le routeur comme serveur DHCP.





### Conclusion:

Par ce TD je parviens à mieux configurer mes réseaux, et savoir comment configurer un service DHCP, DNS etc....