INSTITUT UNIVERSITAIRE DES SCIENCES

Faculté des Sciences et Technologies (FST)

Td7 - réseau 2

Soumis au charge du Professeur : Ismaël St-Amour

Nom: PIERRE

Prénom: Yann Lelay

Niveau: L3- Sciences Informatiques

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Configurations des Switches

```
Switch>
Switch>enable
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch (config) #hostname
% Incomplete command.
Switch(config) #vlan 10
Switch(config-vlan) #name Admin
Switch(config-vlan) #vlan 20
Switch(config-vlan) #name Finance
Switch(config-vlan) #vlan 30
Switch (config-vlan) #name Production
Switch(config-vlan) #vlan 40
Switch(config-vlan) #name Guest
Switch(config-vlan) #vlan 99
Switch(config-vlan) #name Management
Switch(config-vlan) #interface range fa0/1 - 5
Switch(config-if-range) #switchport mode access
Switch(config-if-range) #switchport access vlan 10
Switch(config-if-range) #interface range fa0/6 - 10
Switch(config-if-range) #switchport mode access
Switch(config-if-range) #switchport access vlan 20
Switch(config-if-range) #interface f0/24
Switch(config-if) #switchport mode trunk
Switch(config-if)#
```

Routeur

```
Rl#enable
Rl#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Rl(config)#
Rl(config)#
Rl(config)#interface FastEthernet0/0
Rl(config-if)#ip address 192.168.1.1 255.255.255.0
Rl(config-if)#no shutdown

Rl(config-if)#exit
Rl(config)#
Rl(config)#
Rl(config)#interface FastEthernet0/1
Rl(config-if)#ip address 192.168.2.1 255.255.255.0
Rl(config-if)#no shutdown

Rl(config-if)#no shutdown

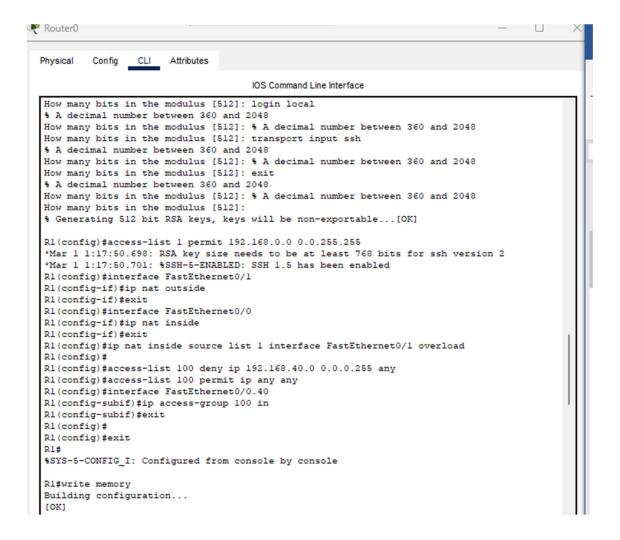
Rl(config-if)#exit
Rl(config)#
Rl(config)#
Rl(config)#ip routing
```

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-24-1-23-1-22-1-21-1-20-1-19-1-18-1-17-1-16-1-15-1-14-1-13-1-12-1-11-1-10-1-9-1
```

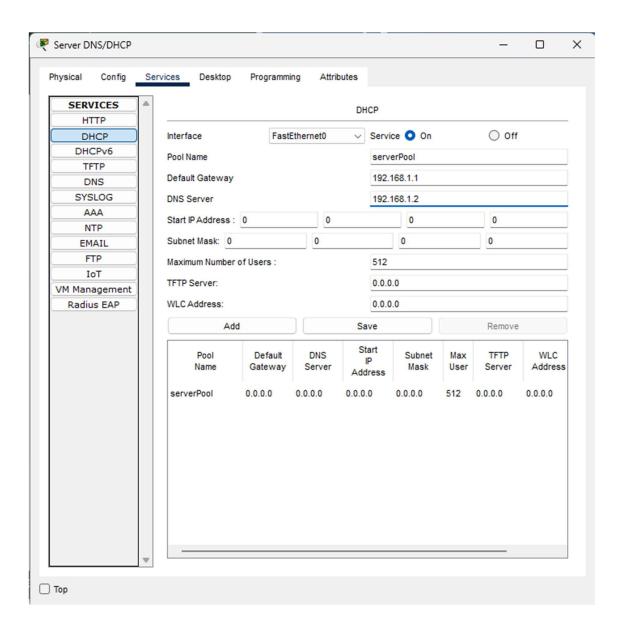
```
R1>enable
Rl#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#
Rl(config) #interface FastEthernet0/0.10
Rl(config-subif) #encapsulation dotlq 10
R1(config-subif) #ip address 192.168.10.1 255.255.255.0
Rl(config-subif) #exit
R1(config)#
Rl(config) #interface FastEthernet0/0.20
R1(config-subif) #encapsulation dot1q 20
R1(config-subif) #ip address 192.168.20.1 255.255.255.0
Rl(config-subif) #exit
R1(config)#
Rl(config) #interface FastEthernet0/0.30
R1(config-subif) #encapsulation dot1g 30
R1(config-subif) #ip address 192.168.30.1 255.255.255.0
Rl(config-subif) #exit
Rl(config)#
Rl(config)#interface FastEthernet0/0.40
Rl(config-subif) #encapsulation dotlq 40
R1(config-subif) #ip address 192.168.40.1 255.255.255.0
Rl(config-subif) #exit
R1(config)#
Rl(config) #interface FastEthernet0/0.99
Rl(config-subif) #encapsulation dotlg 99
Rl(config-subif) #ip address 192.168.99.1 255.255.255.0
Rl(config-subif) #exit
R1(config)#
R1(config) #ip dhep pool ADMIN
R1(dhcp-config) #network 192.168.10.0 255.255.255.0
Rl(dhcp-config) #default-router 192.168.10.1
R1(dhcp-config) #dns-server 8.8.8.8
R1(dhcp-config) #exit
R1(config)#
R1(config) #ip dhcp pool FINANCE
R1(dhcp-config) #network 192.168.20.0 255.255.255.0
```

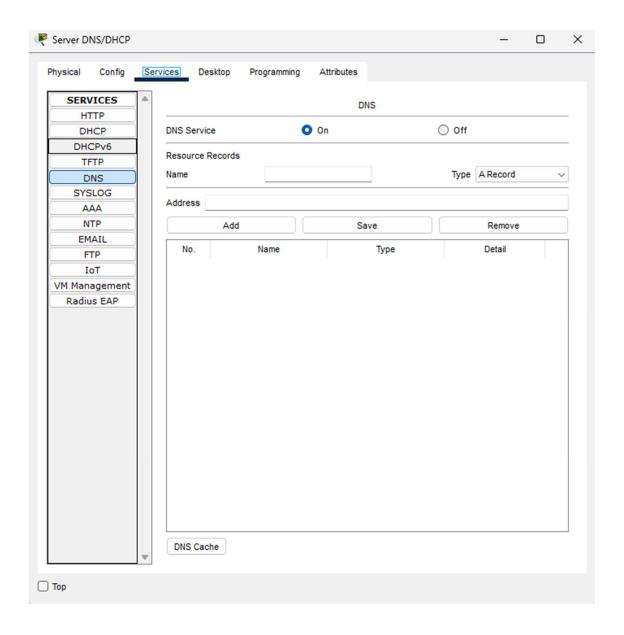
IUS Command Line Interrace

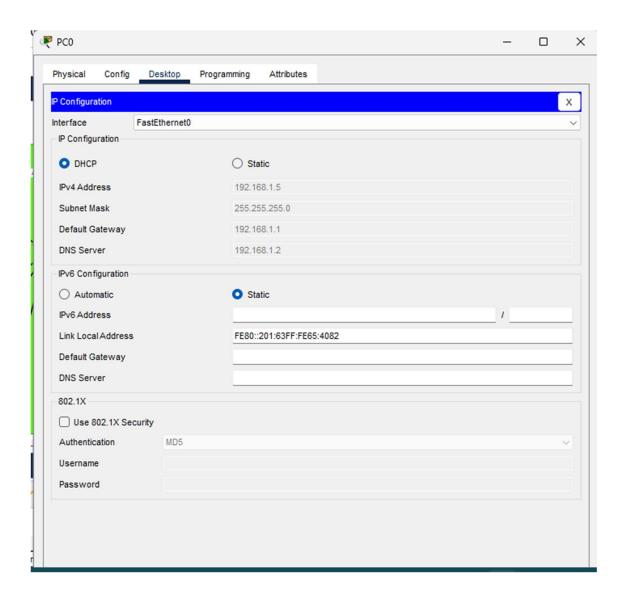
```
R1(config-subif) #encapsulation dot1q 99
R1(config-subif) #ip address 192.168.99.1 255.255.255.0
Rl(config-subif) #exit
R1(config)#
R1(config) #ip dhcp pool ADMIN
R1(dhcp-config) #network 192.168.10.0 255.255.255.0
R1(dhcp-config) #default-router 192.168.10.1
R1(dhcp-config) #dns-server 8.8.8.8
R1(dhcp-config) #exit
Rl(config)#
R1(config) #ip dhcp pool FINANCE
R1(dhcp-config) #network 192.168.20.0 255.255.255.0
R1(dhcp-config) #default-router 192.168.20.1
R1(dhcp-config) #dns-server 8.8.8.8
R1(dhcp-config) #exit
R1(config)#
R1(config) #ip dhcp pool PRODUCTION
R1(dhcp-config) #network 192.168.30.0 255.255.255.0
R1(dhcp-config) #default-router 192.168.30.1
R1(dhcp-config) #dns-server 8.8.8.8
R1(dhcp-config) #exit
R1(config) #
R1(config) #ip dhep pool GUEST
R1(dhcp-config) #network 192.168.40.0 255.255.255.0
R1(dhcp-config) #default-router 192.168.40.1
R1(dhcp-config) #dns-server 8.8.8.8
R1(dhcp-config) #exit
R1(config)#
Rl(config) #ip domain-name smarttech.local
Rl(config) #crypto key generate rsa
The name for the keys will be: Rl.smarttech.local
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]: username admin privilege 15 secret admin123
```

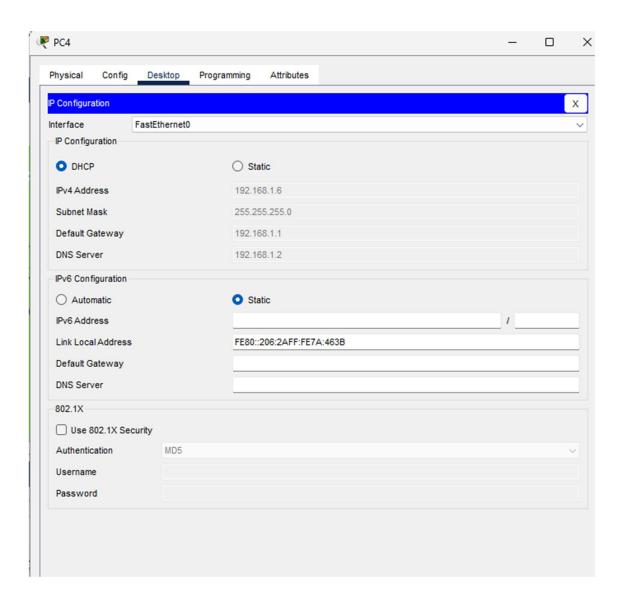


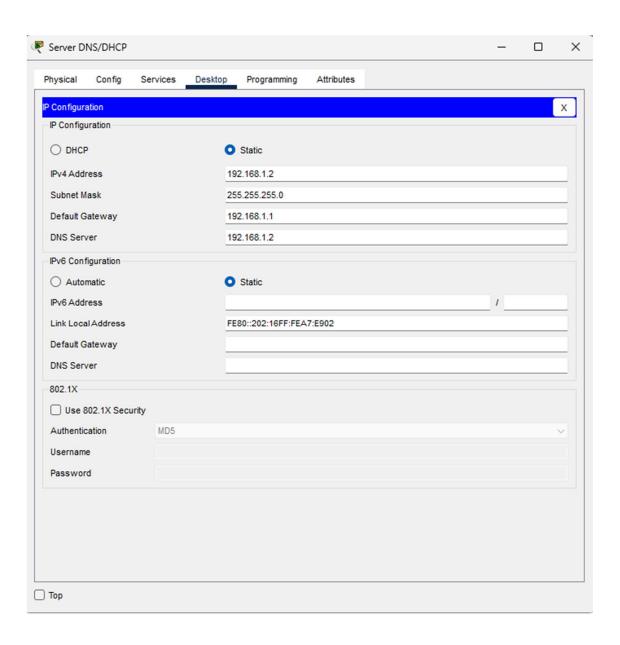
Configuration serveur Web

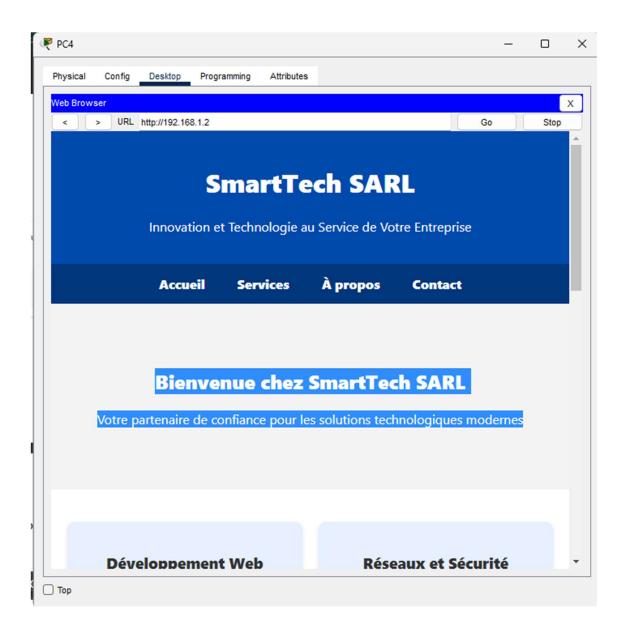












```
C:\>ping 192.168.1.6
Pinging 192.168.1.6 with 32 bytes of data:
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128
Request timed out.
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128
Request timed out.
Ping statistics for 192.168.1.6:
  Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.2:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
```