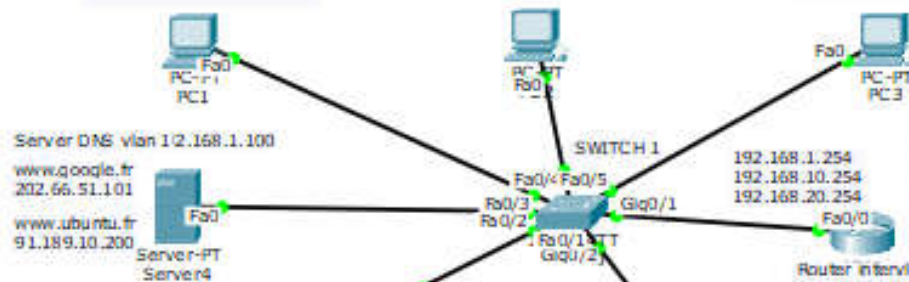




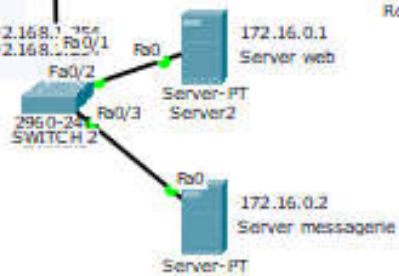
PC 1: 192.168.1.110 vlan 1      PC 2: 192.168.10.2 vlan 2      PC 3: 192.168.20.1 vlan 3      Réseau privé



```
Router 3
(config)#interface fa0/0
(config-if)#ip address 192.168.1.252 255.255.255.0
(config-if)#no shutdown
(config)#interface fa0/1
(config-if)#ip address 172.16.0.254 255.255.255.0
(config-if)#no shutdown
```

```
(config)#ip route 192.168.10.0 255.255.255.0 192.168.1.252
(config)#ip route 192.168.20.0 255.255.255.0 192.168.1.252
(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.253
#copy running-config startup-config
```

```
SWITCH 1
(config)#interface range fa0/1-3
(config-if-range)#switchport mode access
(config-if-range)#switchport access vlan 1
(config-if-range)#no shutdown
(config)#interface fa0/4
(config-if)#switchport mode access
(config-if)#switchport access vlan 2
(config)#interface fa0/5
(config-if)#switchport mode access
(config-if)#switchport access vlan 3
(config)#interface gigabitEthernet 0/1
(config-if)#switchport mode trunk
(config-if)#no shutdown
#copy running-config startup-config
```



```
Router Intervlan
(config)#interface fa0/0
(config-if)#no ip address
(config-if)#no shutdown
(config)#interface fa0/0.1
(config-subif)#no ip address
(config-subif)#ip address 192.168.1.254 255.255.255.0
(config)#interface fa0/0.2
(config-subif)#no ip address
(config-subif)#ip address 192.168.10.254 255.255.255.0
(config)#interface fa0/0.3
(config-subif)#no ip address
(config-subif)#ip address 192.168.20.254 255.255.255.0
(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.253
(config)#ip route 172.16.0.0 255.255.0.0 192.168.1.252
#copy running-config startup-config
```

```
Router RA1
(config)#interface fa0/0
(config-if)#ip address 192.168.1.253 255.255.255.0
(config-if)#no shutdown
(config)#interface fa0/1
(config-if)#ip address 15.0.0.1 255.0.0.0
(config-if)#no shutdown
(config)#ip route 0.0.0.0 0.0.0.0 15.0.0.2
(config)#ip route 192.168.10.0 255.255.255.0 192.168.1.254
(config)#ip route 192.168.20.0 255.255.255.0 192.168.1.254
(config)#ip route 172.16.0.0 255.255.0.0 192.168.1.252
(config)#access-list 1 permit 192.168.1.0 0.0.0.255
(config)#access-list 1 permit 192.168.10.0 0.0.0.255
(config)#access-list 1 permit 192.168.20.0 0.0.0.255
(config)#access-list 1 permit 172.16.0.0 0.0.0.255
(config)#ip nat inside source list 1 interface fa0/1 overload
#copy running-config startup-config
```

```
Router Intervlan+DHCP
Router(config)#ip dhcp pool servidor1
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.254
Router(dhcp-config)#dns-server 192.168.1.100
Router(dhcp-config)#lease jour heures minutes

Router(config)#ip dhcp pool servidor2
Router(dhcp-config)#network 192.168.10.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.10.254
Router(dhcp-config)#dns-server 192.168.1.100
Router(dhcp-config)#lease jour heures minutes

Router(config)#ip dhcp pool servidor3
Router(dhcp-config)#network 192.168.20.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.20.254
Router(dhcp-config)#dns-server 192.168.1.100
Router(dhcp-config)#lease jour heures minutes
```

```
Internet
Router FA1
(config)#interface ethernet 0/1/0
(config-if)#ip address 15.0.0.2 255.0.0.0
(config-if)#no shutdown
(config)#interface fa0/0
(config-if)#ip address 202.66.51.102 255.255.255.0
(config-if)#no shutdown
(config)#interface fa0/1
(config-if)#ip address 91.189.10.201 255.0.0.0
(config-if)#no shutdown
```

