

Mission 2
PPE 3 G1
SISR

VLAN 2 Serveur : fa0/2-10 172.15.1.X /24

VLAN 3 Poste : fa0/11-20 172.15.2.X /24 DHCP (fa0/15-fa0/20)

VLAN 4 Voice : fa0/21-30 172.15.3.X /24

VLAN 5 tests : fa0/30-40 172.15.4.X /24

Telnet router : 192.168.44.36 MDP : sio

Telnet switch : 172.15.6.1 MDP : sio

Configuration Routeur :

```
Router(config)#hostname R1-PPE3-G1
```

```
R1-PPE3-G1(config)#enable secret sio
```

```
R1-PPE3-G1(config)#int gigabitEthernet 0/1
```

```
R1-PPE3-G1(config-if)#no sh
```

```
R1-PPE3-G1(config-if)#ip address 192.168.44.36 255.255.255.0
```

```
R1-PPE3-G1(config)#int gigabitEthernet 0/0
```

```
R1-PPE3-G1(config-if)#no sh
```

```
R1-PPE3-G1(config)#line vty 0 4
```

```
R1-PPE3-G1(config)#password sio
```

```
R1-PPE3-G1(config)#int gi0/0
```

```
R1-PPE3-G1(config-if)#no sh
```

```
R1-PPE3-G1(config-if)#int gi0/0.2
```

```
R1-PPE3-G1(config-subif)#encapsulation dot1Q 2
```

```
R1-PPE3-G1(config-subif)#ip address 172.15.1.254 255.255.255.0
```

```
R1-PPE3-G1(config)#int gi0/0
```

```
R1-PPE3-G1(config-if)#no sh
```

#

R1-PPE3-G1(config-if)#int gi0/0.3

R1-PPE3-G1(config-subif)#encapsulation dot1Q 3

R1-PPE3-G1(config-subif)#ip address 172.15.2.254 255.255.255.0

R1-PPE3-G1(config)#int gi0/0

R1-PPE3-G1(config-if)#no sh

R1-PPE3-G1(config-if)#int gi0/0.4

R1-PPE3-G1(config-subif)#encapsulation dot1Q 4

R1-PPE3-G1(config-subif)#ip address 172.15.3.254 255.255.255.0

R1-PPE3-G1(config)#int gi0/0

R1-PPE3-G1(config-if)#no sh

R1-PPE3-G1(config-if)#int gi0/0.5

R1-PPE3-G1(config-subif)#encapsulation dot1Q 5

R1-PPE3-G1(config-subif)#ip address 172.15.4.254 255.255.255.0

#

R1-PPE3-G1(config)#ip dhcp pool VLAN3

R1-PPE3-G1(dhcp-config)#network 172.15.2.0 255.255.255.0

R1-PPE3-G1(dhcp-config)#default-router 172.15.2.254

R1-PPE3-G1(dhcp-config)#ip dhcp excluded-address 172.15.2.11 172.15.2.254

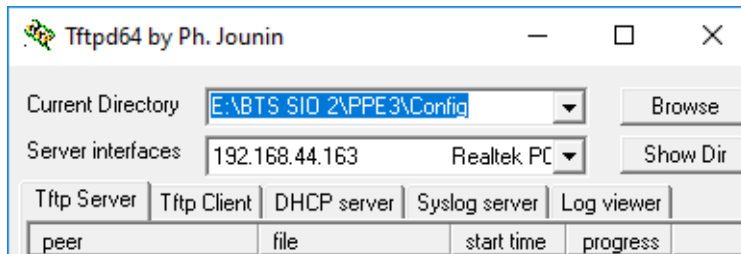
```
interface GigabitEthernet0/0.2
 encapsulation dot1Q 2
 ip address 172.15.1.254 255.255.255.0
!
interface GigabitEthernet0/0.3
 encapsulation dot1Q 3
 ip address 172.15.2.254 255.255.255.0
!
interface GigabitEthernet0/0.4
 encapsulation dot1Q 4
 ip address 172.15.3.254 255.255.255.0
!
interface GigabitEthernet0/0.5
 encapsulation dot1Q 5
 ip address 192.168.44.254 255.255.255.0
```

```
R1-PPE3-G1#sh ip dhcp binding
Bindings from all pools not associated with VRF:
IP address      Client-ID/      Lease expiration        Type
                Hardware address/
                User name
172.15.2.3       0130.9c23.b8de.59  Oct 05 2019 08:11 AM    Automatic
```

```

R1-PPE3-G1#copy running-config tftp:
Address or name of remote host []? 192.168.44.163
Destination filename [r1-ppe3-g1-config]?
.....
%Error opening tftp://192.168.44.163/r1-ppe3-g1-config (Timed out)
R1-PPE3-G1#
*Oct  4 08:11:14.435: %LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to up
*Oct  4 08:11:15.435: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
R1-PPE3-G1#
R1-PPE3-G1#copy running-config tftp:
Address or name of remote host []? 172.15.2.3
Destination filename [r1-ppe3-g1-config]?
!!
1024 bytes copied in 0.044 secs (23273 bytes/sec)

```



Configuration Switch :

Switch(config)#hostname S1-PPE3-G1

S1-PPE3-G1(config)#enable secret sio

S1-PPE3-G1(config)#vlan 2

S1-PPE3-G1(config-vlan)#name SERVEURS

S1-PPE3-G1(config)#int vlan 2

S1-PPE3-G1(config)#vlan 3

S1-PPE3-G1(config-vlan)#name POSTES

S1-PPE3-G1(config)#int vlan 3

S1-PPE3-G1(config)#vlan 4

S1-PPE3-G1(config-vlan)#name VOICE

S1-PPE3-G1(config)#int vlan 4

S1-PPE3-G1(config)#vlan 5

S1-PPE3-G1(config-vlan)#name TESTS

S1-PPE3-G1(config)#interface range fastEthernet2/0/2 - 10

S1-PPE3-G1(config-if-range)#switchport mode access

S1-PPE3-G1(config-if-range)#switchport access vlan 2

S1-PPE3-G1(config)#interface range fastEthernet2/0/11 - 20

S1-PPE3-G1(config-if-range)#switchport mode access

```
S1-PPE3-G1(config-if-range)#switchport access vlan 3
S1-PPE3-G1(config)#interface range fastEthernet2/0/21 - 30
S1-PPE3-G1(config-if-range)#switchport mode access
S1-PPE3-G1(config-if-range)#switchport access vlan 4
S1-PPE3-G1(config)#interface range fastEthernet2/0/31 - 40
S1-PPE3-G1(config-if-range)#switchport mode access
S1-PPE3-G1(config-if-range)#switchport access vlan 5
```

```
S1-PPE3-G1(config)#interface fastEthernet2/0/1
S1-PPE3-G1(config-if)#switchport trunk encapsulation dot1q
S1-PPE3-G1(config-if)#switchport mode trunk
```

```
S1-PPE3-G1(config)#int vlan 1
S1-PPE3-G1(config-if)#ip address 172.15.6.1 255.255.255.0
S1-PPE3-G1(config-if)#no sh
S1-PPE3-G1(config-if)#exit
```

```
S1-PPE3-G1(config)#service password-encryption
S1-PPE3-G1(config)#line vty 0 15
S1-PPE3-G1(config-line)#password sio
S1-PPE3-G1(config-line)#login
```

Tuto mise en place serveur TFTP : <https://flalogue.files.wordpress.com/2016/12/tutoriel-tftp-sous-debian-8.pdf>