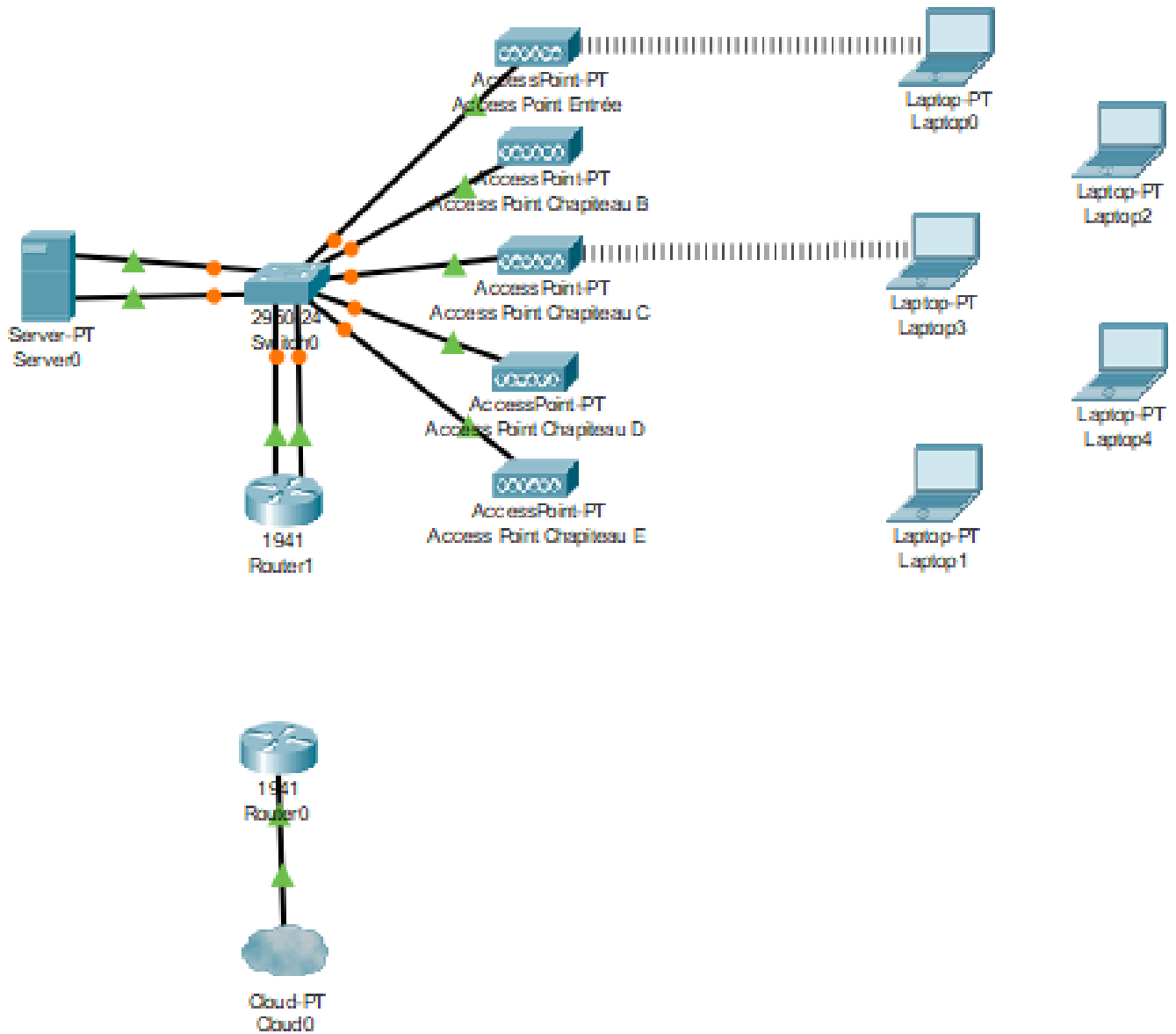


Mission 3 PPE 2

Schéma réseau :



Configuration routeur :

Configuration des ports :

```
interface GigabitEthernet0/0
  no ip address
  duplex auto
  speed auto
!
interface GigabitEthernet0/0.2
  encapsulation dot1Q 2
  ip address 10.0.0.254 255.0.0.0
!
interface GigabitEthernet0/1
  no ip address
  duplex auto
  speed auto
!
interface GigabitEthernet0/1.3
  encapsulation dot1Q 3
  ip address 172.31.1.254 255.255.0.0
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
!
!
!
!
control-plane
!
!
line con 0
line aux 0
line vty 0 4
  login
!
scheduler allocate 20000 1000
end
Router#
```

Configuration DHCP :

```
!
ip dhcp excluded-address 10.10.10.1 10.10.10.9
ip dhcp excluded-address 10.10.10.21 10.10.10.254
ip dhcp excluded-address 172.31.1.1 172.31.1.9
ip dhcp excluded-address 172.31.1.21 172.31.1.254
!
ip dhcp pool vlan2
  network 10.0.0.0 255.0.0.0
  default-router 10.0.0.1
!
ip dhcp pool vlan3
  network 172.31.0.0 255.255.0.0
  default-router 172.31.1.1
!
```

Configuration des routes du routeur :

```
Router#sh ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
       ia - IS-IS inter area, * - candidate default, U - per-user static route
       o - ODR, P - periodic downloaded static route, + - replicated route

Gateway of last resort is not set

  10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C       10.0.0.0/8 is directly connected, GigabitEthernet0/0.2
L       10.0.0.254/32 is directly connected, GigabitEthernet0/0.2
  172.31.0.0/16 is variably subnetted, 2 subnets, 2 masks
C       172.31.0.0/16 is directly connected, GigabitEthernet0/1.3
L       172.31.1.254/32 is directly connected, GigabitEthernet0/1.3
Router#
```

Configuration Switch :

Configuration des ports sur les vlans :

```
Switch#  
Switch#sh vlan br
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Gi0/1 Gi0/2
2	orga	active	Fa0/4, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12
3	public	active	Fa0/13, Fa0/14, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	

```
Switch#
```

Configuration des vlans :

```
interface Vlan1  
 ip address 192.168.12.10 255.255.255.0  
 no ip route-cache  
 !  
interface Vlan2  
 ip address 10.0.0.254 255.0.0.0  
 no ip route-cache  
 shutdown  
 !  
interface Vlan3  
 ip address 172.31.1.254 255.255.0.0  
 no ip route-cache  
 shutdown  
 !  
ip http server  
 !  
line con 0  
line vty 0 4  
 password sio2018  
 login  
line vty 5 15  
 password sio2018  
 login  
 !  
 !  
end  
Switch#
```

Configuration des ports :

```
interface FastEthernet0/5  
 switchport access vlan 2  
 switchport mode trunk  
 !
```

```
interface FastEthernet0/15  
 switchport access vlan 3  
 switchport mode trunk  
 !
```

Interface borne Wifi :

Connexion interface Web borne Wifi :

Ouvrir une session

http://172.31.1.8

Votre connexion à ce site n'est pas privée

Nom d'utilisateur

Cisco

Mot de passe

.....

Ouvrir une session

Annuler

Configuration SSID du réseau Wifi :

SSID Table							
Delete	SSID	VLAN	Encryption	Authentication	Key Management	Native VLAN	Broadcast SSID
⊕	PPE202	none	wep mandatory	open	none		✓

Sauvegarde des configurations :

Sauvegarde des configurations du matériel via Putty :

📁 > Enzo (F:) > PPE2 > Mission 3 > Save conf				
Server	Nom	Modifié le	Type	Taille
	📄 router-confg	09/05/2019 15:35	Fichier	2 Ko
	📄 switch-confg	09/05/2019 15:08	Fichier	2 Ko
	📄 wifig2-confg	09/05/2019 15:28	Fichier	2 Ko