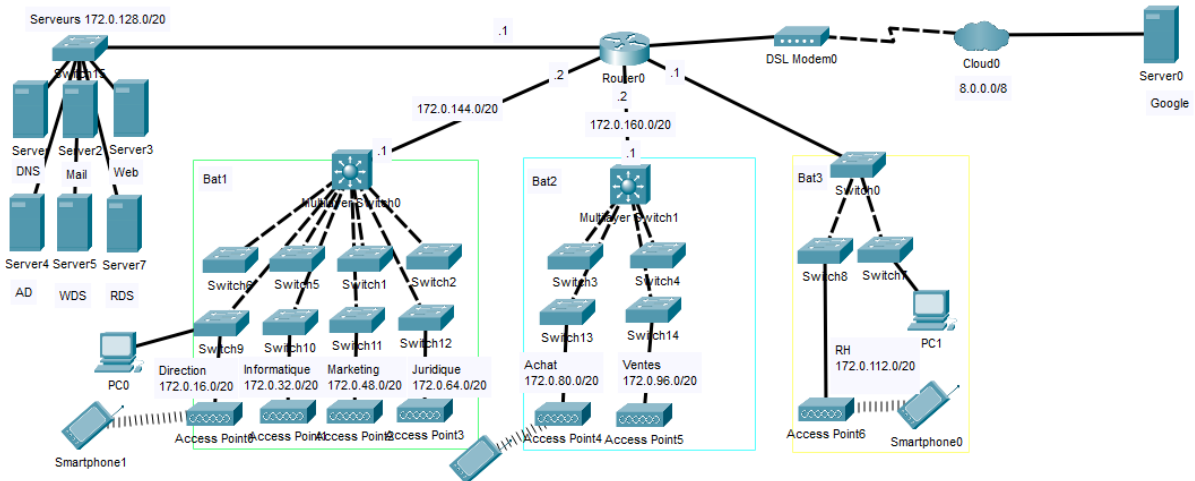


Corrigé Administration des réseaux locaux



serveurs:0.5*4

internet:0.5

router:0.5+ips0.5

bat1 SVI/ROAS:1+ips0.5

bat2 SVI/ROAS:1+ips0.5

bat3:1

wifi:1.75+ip/DHCP0.75

(1pt*7services)

DHCP(Network,Gateway,DNS,Excluded)

Router 0

```
interface GigabitEthernet0/0
ip address 8.0.0.1 255.0.0.0
interface GigabitEthernet1/0
ip address 172.0.144.2 255.255.240.0
interface GigabitEthernet2/0
ip address 172.0.160.2 255.255.240.0
interface GigabitEthernet3/0
ip address 172.0.112.1 255.255.240.0
interface GigabitEthernet4/0
ip address 172.0.128.1 255.255.240.0

ip dhcp excluded-address 172.0.112.1
```

ip dhcp pool RH

network 172.0.112.0 255.255.240.0

default-router 172.0.112.1

dns-server 172.0.128.2

Multilayer Switch0

ip dhcp excluded-address 172.0.16.1

ip dhcp excluded-address 172.0.32.1

ip dhcp excluded-address 172.0.48.1

ip dhcp excluded-address 172.0.64.1

!

ip dhcp pool direction

network 172.0.16.0 255.255.240.0

default-router 172.0.16.1

dns-server 172.0.128.2

ip dhcp pool informatique

network 172.0.32.0 255.255.240.0

default-router 172.0.32.1

dns-server 172.0.128.2

ip dhcp pool marketing

network 172.0.48.0 255.255.240.0

default-router 172.0.48.1

dns-server 172.0.128.2

ip dhcp pool juridique

network 172.0.64.0 255.255.240.0

default-router 172.0.64.1

dns-server 172.0.128.2

interface GigabitEthernet0/1

no switchport

ip address 172.0.144.1 255.255.240.0

interface Vlan10

ip address 172.0.16.1 255.255.240.0

interface Vlan20

ip address 172.0.32.1 255.255.240.0

interface Vlan30

ip address 172.0.48.1 255.255.240.0

interface Vlan40

ip address 172.0.64.1 255.255.240.0

Multilayer Switch1

ip dhcp excluded-address 172.0.80.1

```
ip dhcp excluded-address 172.0.96.1
```

```
ip dhcp pool achat
```

```
network 172.0.80.0 255.255.240.0
```

```
default-router 172.0.80.1
```

```
dns-server 172.0.128.2
```

```
ip dhcp pool ventes
```

```
network 172.0.96.0 255.255.240.0
```

```
default-router 172.0.96.1
```

```
dns-server 172.0.128.2
```

```
interface GigabitEthernet0/1
```

```
no switchport
```

```
ip address 172.0.160.1 255.255.240.0
```

```
interface Vlan50
```

```
ip address 172.0.80.1 255.255.240.0
```

```
interface Vlan60
```

```
ip address 172.0.96.1 255.255.240.0
```

Les contrôles (3pts) :

Internet : ping www.google.dz

Site et Dns : ping www.site.dz

Web : ping IP serveur Web

Mail : envoi d'emails entre deux comptes

Communication entre PC : Ping (entre PC)

Wifi : Ping d'un mobile à un autre appareil

Routing : Ping entre appareils de réseaux différents

DHCP : Click sur l'option DHCP d'un PC. Test de la passerelle (Ping un autre réseau). Test du DNS (Ping url)

AD : Test de connexion d'un utilisateur. Test d'accès aux ressources. ...