

# Routage Dynamique OSPF et RIP :

## Configuration Outside:

```
Int f0/1
Ip address 172.16.32.254 255.255.255.0
No shut
Exit
```

## Configuration VREF:

```
Int loopback 0
Ip address 10.0.0.1 255.255.255.255
Ex

Int f1/0
Ip ospf priority 4
Ip address 172.16.32.252 255.255.255.0
No shut

Int f0/0
Ip address 172.21.1.254 255.255.255.0
Ip ospf priority 4
No shut
Exit

Int f0/1
Ip address 172.21.2.254 255.255.255.0
Ip ospf priority 4
No shut
Exit

Ip route 0.0.0.0 0.0.0.0 fastEthernet 1/0
Router ospf 10
Network 172.21.1.0 0.0.0.255 area 0
Network 172.21.2.0 0.0.0.255 area 0
Network 172.19.32.0 0.0.0.255 area 0
Redistribute static metric 1
Default-information originate
Passive-interface f1/0
```

## Configuration Routeur C:

```
Int loopback 0
ip address 10.0.0.2 255.255.255.255
ex
```

```
Int f0/1
ip ospf priority 3
ip address 192.168.3.253 255.255.255.0
no shut
exit
```

```
In f0/0
ip ospf priority 3
ip address 172.21.1.254 255.255.255.0
no shut
exit
```

```
Ip dhcp pool LAN1
network 192.168.3.0 255.255.255.0
default-router 192.168.3.254
```

```
Router ospf 10
network 172.21.1.0 0.0.0.255 area 0
network 192.168.3.0 0.0.0.255 area 1
passive-interface f0/1
```

### **Configuration Routeur B:**

```
Int loopback 0
ip address 10.0.0.3 255.255.255.255
```

```
Int f0/1
ip ospf priority 2
ip address 172.21.2.253 255.255.255.0
no shut
exit
```

```
int f0/0
ip ospf priority 2
ip address 193.168.1.254 255.255.255.0
no shut
exit
```

```
Int s0/0
ip ospf priority 2
ip address 192.168.1.2 255.255.255.252
bandwidth 4096
```

```
clockrate 148000
no shut
exit
```

```
Int s0/1
ip ospf priority 2
ip address 192.168.1.6 255.255.255.252
bandwidth 2048
clockrate 148000
no shut
exit
```

```
Ip dhcp pool LAN2
network 193.168.1.0 255.255.255.0
default-router 192.168.1.254
```

```
Router ospf 10
network 172.21.2.0 0.0.0.255 area 0
network 193.168.1.0 0.0.0.255 area 2
network 192.168.1.0 0.0.0.3 area 2
network 192.168.1.4 0.0.0.3 area 2
passive-interface f0/0
```

### **Configuration Routeur A:**

```
Int loopback 0
ip address 10.0.0.4 255.255.255.255
```

```
Int f0/1
ip ospf priority 1
ip address 193.168.2.254 255.255.255.0
no shut
exit
```

```
Int s0/0
ip ospf priority 1
ip address 192.168.1.1 255.255.255.252
bandwidth 4096
clockrate 148000
no shut
exit
```

```
Int s0/1
ip ospf priority 1
ip address 192.168.1.5 255.255.255.252
bandwidth 2048
```

```
clockrate 148000
no shut
exit
```

```
Router ospf 10
network 193.168.2.0 0.0.0.255 area 2
network 192.168.1.0 0.0.0.3 area 2
network 192.168.1.4 0.0.0.3 area 2
passive-interface f0/1
```

### **Configuration Routeur E:**

```
Interface s0/0
clockrate 128000
ip address 172.21.3.253 255.255.255.0
no shut
```

```
Interface s0/1
clockrate 128000
ip address 192.168.4.2 255.255.255.252
no shut
bandwidth 500
```

```
Router rip
version 2
network 172.21.3.0
network 192.168.4.0
```

### **Configuration Routeur D:**

```
Interface s0/0
ip address 192.168.4.1 255.255.255.252
clockrate 128000
bandwidth 500
no shut
```

```
Interface f0/0
ip address 192.168.10.254 255.255.255.0
no shut
```

```
Router rip
version 2
network 192.168.10.0
network 192.168.4.0
```

### **Configuration VREF:**

```
Interface s0/0
ip address 172.21.3.254 255.255.255.0
clockrate 128000
no shut
```

```
Router rip
version 2
network 172.21.0.0
redistribute static
redistribute ospf 10 metric 10
```

```
Router ospf 10
redistribute rip metric 10 metric-type 1 subnets
```