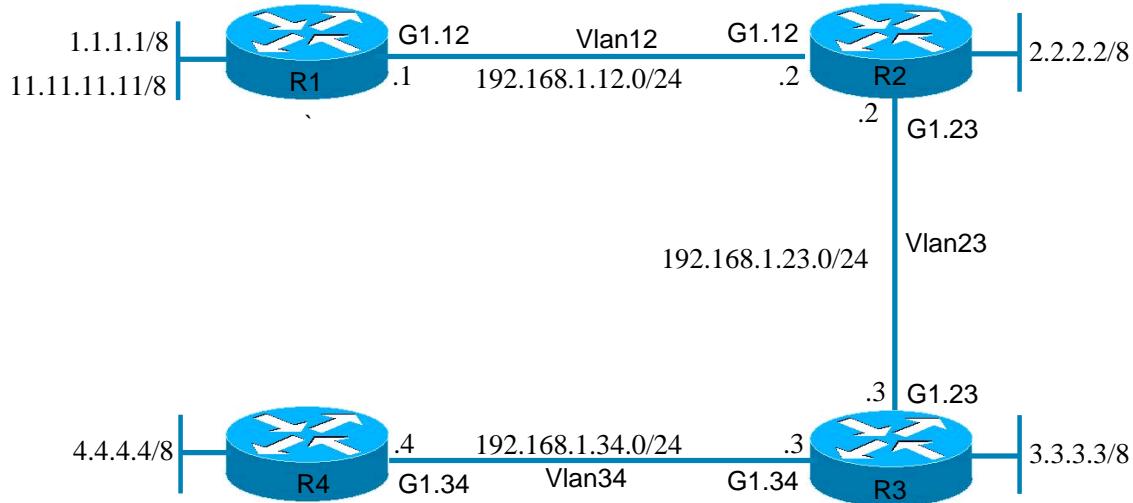


# Lab EIGRP 03

## Redistributing Directly Connected Networks



Cáu hình EIGRP trên R1 – R4. Không quảng bá Loopbacks vào EIGRP trên R1

### **R1**

```
R1#conf t
R1(config)#Router eigrp 1
R1(config-router)#no auto-summary
R1(config-router)#net 192.1.12.0
```

### **R2**

```
R2#conf t
R2(config)#Router eigrp 1
R2(config-router)#no auto-summary
R2(config-router)#net 2.0.0.0
R2(config-router)#net 192.1.12.0
R2(config-router)#net 192.1.23.0
```

### **R3**

```
R3#conf t
R3(config)#Router eigrp 1
R3(config-router)#no auto-summary
R3(config-router)#net 3.0.0.0
R3(config-router)#net 192.1.23.0
R3(config-router)#net 192.1.34.0
```

### **R4**

```
R4#conf t
R4(config)#Router eigrp 1
R4(config-router)#no auto-summary
R4(config-router)#net 4.0.0.0
```

R4(config-router)#net 192.1.34.0  
Redistribute tất cả các lớp mạng connected trên R1

**R1**

R1(config)#router eigrp 1  
R1(config-router)#redistribute connected

**R2, R3 và R4**

**• SH IP ROUTE**

- Có thấy lớp mạng 1.0.0.0 và 11.0.0.0 không?
- Nếu có thì route này thuộc dạng nào (VD: C conneted, D eigrp,...) ?

## **Redistributing EIGRP into EIGRP with different AS #**

Remove eigrp 1 from R1. Remove network 192.1.12.0 and 2.0.0.0 from EIGRP 1 on R2.  
Run EIGRP 11 between R1 and R2. Advertise the Loopbacks on both the Routers in EIGRP 11.

**R1**

R1(config)#no router eigrp 1  
R1(config)#router eigrp 11  
R1(config-router)#no auto-summary  
R1(config-router)#net 192.1.12.0  
R1(config-router)#net 1.0.0.0  
R1(config-router)#net 11.0.0.0

**R2**

R2(config)#router eigrp 1  
R2(config-router)#no net 2.0.0.0  
R2(config-router)#no net 192.1.12.0  
R2(config-router)#Router eigrp 11  
R2(config-router)#net 192.1.12.0  
R2(config-router)#net 2.0.0.0

**R1, R3 and R4**

**• SH IP ROUTE**

- Có thấy tất cả các route?

+Mutually Redistribute between EIGRP 1 and EIGRP 11 on R2

**R2**

R2(config)#router eigrp 1  
R2(config-router)#redistribute eigrp 11  
R2(config-router)#router eigrp 11  
R2(config-router)#redistribute eigrp 1

### **R1, R2 and R4**

- **SH IP ROUTE**

- Có thấy tất cả các route?
- Các metric có đúng không?

## **Redistributing EIGRP into RIP**

Remove EIGRP 11 from R1 and R2. Run RIP v2 between R1 and R2. Advertise all the loopbacks on these 2 routers in RIP

### **R1**

```
R1(config)#no router eigrp 11  
R1(config)#router rip  
R1(config-router)#version 2  
R1(config-router)#net 192.1.12.0  
R1(config-router)#net 1.0.0.0
```

### **R2**

```
R2(config)#no router eigrp 11  
R2(config)#router rip  
R2(config-router)#version 2  
R2(config-router)#net 2.0.0.0  
R2(config-router)#net 192.1.12.0
```

### **R1, R3 and R4**

- **SH IP ROUTE**

- Có thấy tất cả các route?

+ Perform mutual Route redistribution between RIP and EIGRP on R2

### **R2**

```
R2(config)#router eigrp 1  
R2(config-router)#redistribute rip metric 1000000 10 255 1 1500  
R2(config-router)#router rip  
R2(config-router)#redistribute eigrp 1 metric 3
```

### **R1, R3 and R4**

- **SH IP ROUTE**

- Có thấy tất cả các route?
- Ping 1.1.1.1 from R4 and Ping 4.4.4.4 from R1 ?