



Lab objectives:

- 1- Enable routes at each side to be known by each routing protocol.
- 2- Avoid routing-feedback loop.

Amnetwork.blogspot.com

```
R1#sho run
router eigrp 100
  redistribute rip metric 1000 100 255 1 1500 route-map intoeigrp
  network 192.168.13.0 0.0.0.3
  no auto-summary
!
router rip
  version 2
  redistribute eigrp 100 metric 3 route-map intorip
  network 192.168.10.0
  no auto-summary
!
route-map intoeigrp deny 10
  match tag 40
!
route-map intoeigrp permit 20
  set tag 20
!
route-map intorip deny 10
  match tag 20
!
route-map intorip permit 20
  set tag 40
```

Amnetwork.blogspot.com

```
R2#sho run
router eigrp 100
  redistribute rip metric 1000 100 255 1 1500 route-map intoeigrp
  network 192.168.12.0 0.0.0.3
  no auto-summary
!
router rip
  version 2
  redistribute eigrp 100 metric 3 route-map intoeigrp
  network 192.168.11.0
  no auto-summary
!
route-map intoeigrp deny 10
  match tag 40
!
route-map intoeigrp permit 20
  set tag 20
!
route-map intorip deny 10
  match tag 20
!
route-map intorip permit 20
  set tag 40
```

Amnetwork.blogspot.com

R3(config)#do sho ip route

Gateway of last resort is not set

172.16.0.0/32 is subnetted, 1 subnets

D EX 172.16.10.1 [170/2588160] via 192.168.12.1, 00:04:22, FastEthernet1/0

R3#sho ip route 172.16.10.1

Routing entry for 172.16.10.1/32

Known via "eigrp 100", distance 170, metric 2588160

Tag 20, type external

Redistributing via eigrp 100

Route tag 20

R4#sho ip route

Gateway of last resort is not set

10.0.0.0/32 is subnetted, 1 subnets

R 10.10.10.1 [120/3] via 192.168.11.2, 00:00:26, FastEthernet0/0

R4#sho ip route 10.10.10.1

Routing entry for 10.10.10.1/32

Known via "rip", distance 120, metric 3

Tag 20

Redistributing via rip

Route tag 20