Sử dụng giao thức định tuyến RIPv2 để cấu hình cho sơ đồ trên.

1) Cấu hình IP

Router TTG1:

int f0/0

 no shut

 ip add 10.0.0.1 255.255.255.0

 ex

int s0/0/0

 no shut

 ip add 192.168.1.1 255.255.255.0

 ex

Router TTG2:

int Loop0

 ip add 11.0.0.1 255.255.255.0

 ex

int s0/0/0

 no shut

 ip add 192.168.1.2 255.255.255.0

 ex

2) Định tuyến RIP

TTG1:

router rip

 version 2

 network 10.0.0.0

 network 192.168.1.0 //Cho phép Interface có IP khớp với mạng này tham gia định tuyến RIP

 no auto-summary

 ex

TTG2:

router rip

 version 2

 network 11.0.0.0

 network 192.168.1.0

 no auto-summary

 ex

3) Test

TTG1# show ip route

//Quan sát thấy cả 3 subnet có xuất hiện trong bảng định tuyến là OK

TTG1#show ip route

Codes: C - connected, S - static, I - IGRP, 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, E - EGP

i - IS-IS, 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

Gateway of last resort is not set

10.0.0.0/24 is subnetted, 1 subnets

C 10.0.0.0 is directly connected, FastEthernet0/0

11.0.0.0/8 is variably subnetted, 2 subnets, 2 masks

R 11.0.0.0/8 [120/1] via 192.168.1.2, 00:01:14, Serial0/0/0

R 11.0.0.0/24 [120/1] via 192.168.1.2, 00:00:04, Serial0/0/0

C 192.168.1.0/24 is directly connected, Serial0/0/0

TTG1#

TTG2#show ip route

Codes: C - connected, S - static, I - IGRP, 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, E - EGP

i - IS-IS, 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

Gateway of last resort is not set

10.0.0.0/24 is subnetted, 1 subnets

R 10.0.0.0 [120/1] via 192.168.1.1, 00:00:13, Serial0/0/0

11.0.0.0/24 is subnetted, 1 subnets

C 11.0.0.0 is directly connected, Loopback0

C 192.168.1.0/24 is directly connected, Serial0/0/0

TTG2#

//Kiểm tra: Ping thông mạng

TTG1#ping 11.0.0.1

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 11.0.0.1, timeout is 2 seconds:

!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/4/10 ms