เฉลยแล็บ Packet Activity

CCNA LAB 4-2: IP Routing - RIP

[ตั้งค่าที่ Ranet HQ (คลิกที่เครื่อง console)] :

(ไปยังแท็บ Desktop > คลิก Terminal > กด OK)

```
Ranet-HQ>en
Ranet-HQ#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Ranet-HQ(config)#int fa0/0
Ranet-HQ(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Ranet-HQ(config-if)#ip add 98.83.165.65 255.255.255.248
Ranet-HQ(config-if)#int s0/0/0
Ranet-HQ(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
Ranet-HQ(config-if)#ip add 98.83.165.74 255.255.255.252
Ranet-HQ(config-if)#int s0/1/0
Ranet-HQ(config-if)#no sh

Ranet-HQ(config-if)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up
Ranet-HQ(config-if)#ip add 52.9.236.22 255.255.255.252
Ranet-HQ(config-if)#exit
Ranet-HQ(config)#router rip
Ranet-HQ(config-router)#version 2
Ranet-HQ(config-router)#network 98.0.0.0
Ranet-HQ(config-router)#no auto-summary
Ranet-HQ(config-router)#exit
Ranet-HQ(config)#ip route 0.0.0.0 0.0.0.0 s0/1/0
```

```
Ranet-HQ(config)#
Ranet-HQ#
%SYS-5-CONFIG_I: Configured from console by console
Ranet-HQ#sh ip protocol
Routing Protocol is "rip"
Sending updates every 30 seconds, next due in 21 seconds
Invalid after 180 seconds, hold down 180, flushed after 240
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Redistributing: rip
Default version control: send version 2, receive 2
  Interface          Send  Recv  Triggered RIP  Key-chain
  FastEthernet0/0    2     2
Automatic network summarization is not in effect
Maximum path: 4
Routing for Networks:
        98.0.0.0
Passive Interface(s):
Routing Information Sources:
        Gateway         Distance      Last Update
Distance: (default is 120)
Ranet-HQ#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Ranet-HQ#
```

[ตั้งค่าที่ Ranet BR (คลิกที่เครื่อง console)] :

(ไปยังแท็บ Desktop > คลิก Terminal > กด OK)

```
Ranet-BR>en
Ranet-BR#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Ranet-BR(config)#int fa0/0
Ranet-BR(config-if)#no sh


%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
```

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Ranet-BR(config-if)#ip add 98.83.165.81 255.255.255.240

Ranet-BR(config-if)#int s0/0/0

Ranet-BR(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

Ranet-BR(config-if)#clock rate 64000

Ranet-BR(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

Ranet-BR(config-if)#ip add 98.83.165.73 255.255.255.252

Ranet-BR(config-if)#exit

Ranet-BR(config)#router rip

Ranet-BR(config-router)#version 2

Ranet-BR(config-router)#network 98.0.0.0

Ranet-BR(config-router)#no auto-summary

Ranet-BR(config-router)#exit

Ranet-BR(config)#ip route 0.0.0.0 0.0.0.0 se0/0/0

Ranet-BR(config)#

Ranet-BR#

%SYS-5-CONFIG_I: Configured from console by console

Ranet-BR#sh 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 0.0.0.0 to network 0.0.0.0

98.0.0.0/8 is variably subnetted, 3 subnets, 3 masks

R 98.83.165.64/29 [120/1] via 98.83.165.74, 00:00:27, Serial0/0/0

C 98.83.165.72/30 is directly connected, Serial0/0/0

C 98.83.165.80/28 is directly connected, FastEthernet0/0

S* 0.0.0.0/0 is directly connected, Serial0/0/0

Ranet-BR#copy run start

```
Destination filename [startup-config]?
Building configuration...
[OK]
Ranet-BR#
```

[ไปยังเครื่อง Host1] :

(ไปยังแท็บ Desktop > คลิกไอคอน Command Prompt)

```
Packet Tracer PC Command Line 1.0
PC>ping 98.83.165.82

Pinging 98.83.165.82 with 32 bytes of data:

Request timed out.
Reply from 98.83.165.82: bytes=32 time=12ms TTL=126
Reply from 98.83.165.82: bytes=32 time=14ms TTL=126
Reply from 98.83.165.82: bytes=32 time=6ms TTL=126

Ping statistics for 98.83.165.82:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 6ms, Maximum = 14ms, Average = 10ms

PC>ping 55.8.92.3

Pinging 55.8.92.3 with 32 bytes of data:

Request timed out.
Reply from 55.8.92.3: bytes=32 time=15ms TTL=126
Reply from 55.8.92.3: bytes=32 time=10ms TTL=126
Reply from 55.8.92.3: bytes=32 time=14ms TTL=126

Ping statistics for 55.8.92.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 10ms, Maximum = 15ms, Average = 13ms
```

[ไปยังเครื่อง Host2] :

(ไปยังแท็บ Desktop > คลิกไอคอน Command Prompt)

```
Packet Tracer PC Command Line 1.0
PC>ping 98.83.165.70

Pinging 98.83.165.70 with 32 bytes of data:

Reply from 98.83.165.70: bytes=32 time=13ms TTL=126
Reply from 98.83.165.70: bytes=32 time=10ms TTL=126
Reply from 98.83.165.70: bytes=32 time=11ms TTL=126
Reply from 98.83.165.70: bytes=32 time=11ms TTL=126

Ping statistics for 98.83.165.70:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 10ms, Maximum = 13ms, Average = 11ms

PC>ping 55.8.92.3

Pinging 55.8.92.3 with 32 bytes of data:

Reply from 55.8.92.3: bytes=32 time=18ms TTL=125
Reply from 55.8.92.3: bytes=32 time=20ms TTL=125
Reply from 55.8.92.3: bytes=32 time=21ms TTL=125
Reply from 55.8.92.3: bytes=32 time=12ms TTL=125

Ping statistics for 55.8.92.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 12ms, Maximum = 21ms, Average = 17ms

PC>
```