Packet Activity

CCNA LAB 4-1: IP Routing – Static and Default Route

[ตั้งค่าที่ Ranet HQ (คลิกที่เครื่อง console)) :
(ไปยังแทบท 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 52.7.9.206 255.255.255.240
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 52.7.9.221 255.255.255.252
Ranet-HQ(config-if)#int s0/1/0
Ranet-HQ(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up
Ranet-HQ(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up
Ranet-HQ(config-if)#ip add 77.7.7.25 255.255.255.252
Ranet-HQ(config-if)#exit
Ranet-HQ(config)#ip route 52.7.9.208 255.255.255.248 se0/0/0
Ranet-HQ(config)#ip route 0.0.0.0 0.0.0.0 se0/1/0
Ranet-HQ(config)#
Ranet-HQ#
%SYS-5-CONFIG_I: Configured from console by console
Ranet-HQ#sh ip route
Gateway of last resort is 0.0.0.0 to network 0.0.0.0

52.0.0.0/28 is subnetted, 1 subnets
C  52.7.9.192 is directly connected, FastEthernet0/0
77.0.0.0/30 is subnetted, 1 subnets
C  77.7.7.252 is directly connected, Serial0/1/0
S*  0.0.0.0/0 is directly connected, Serial0/1/0
Ranet-HQ#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Ranet-HQ#

[ตั้งค่าที่ Ranet BR (คลิกที่เครื่อง console)] :
(ไปยังแทบ 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 52.7.9.214 255.255.255.248
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 52.7.9.222 255.255.255.252
Ranet-BR(config-if)#exit
Ranet-BR(config)#ip route 52.7.9.192 255.255.255.240 s0/0/0
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

    52.0.0.0/8 is variably subnetted, 3 subnets, 3 masks
    S 52.7.9.192/28 is directly connected, Serial0/0/0
    C 52.7.9.208/29 is directly connected, FastEthernet0/0
    C 52.7.9.220/30 is directly connected, Serial0/0/0
    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 52.7.9.210
Pinging 52.7.9.210 with 32 bytes of data:

Request timed out.
Reply from 52.7.9.210: bytes=32 time=8ms TTL=126
Reply from 52.7.9.210: bytes=32 time=5ms TTL=126
Reply from 52.7.9.210: bytes=32 time=6ms TTL=126

Ping statistics for 52.7.9.210:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 5ms, Maximum = 8ms, Average = 6ms

PC> ping 72.76.5.3

Pinging 72.76.5.3 with 32 bytes of data:

Request timed out.
Reply from 72.76.5.3: bytes=32 time=15ms TTL=126
Reply from 72.76.5.3: bytes=32 time=7ms TTL=126
Reply from 72.76.5.3: bytes=32 time=13ms TTL=126

Ping statistics for 72.76.5.3:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 7ms, Maximum = 15ms, Average = 11ms

PC>
Ping statistics for 52.7.9.200:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 10ms, Maximum = 13ms, Average = 11ms

PC> ping 72.76.5.3

Pinging 72.76.5.3 with 32 bytes of data:

Reply from 72.76.5.3: bytes=32 time=18ms TTL=125
Reply from 72.76.5.3: bytes=32 time=20ms TTL=125
Reply from 72.76.5.3: bytes=32 time=21ms TTL=125
Reply from 72.76.5.3: bytes=32 time=12ms TTL=125

Ping statistics for 72.76.5.3:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 12ms, Maximum = 21ms, Average = 17ms

PC>