เฉลยแล็ป Packet Activity

CCNA LAB 2-1: InterVLAN Routing

[ตั้งค่าที่ Ranet SW (คลิกที่เครื่อง console)] :

(ไปยังแท็บ Desktop > คลิก Terminal > กด OK)

```
Ranet-SW>en
Ranet-SW#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Ranet-SW(config)#vlan 10
Ranet-SW(config-vlan)#vlan 20
Ranet-SW(config-vlan)#int ran fa0/1 -2
Ranet-SW(config-if-range)#switchport mode access
Ranet-SW(config-if-range)#switchport access vlan 10
Ranet-SW(config-if-range)#spanning-tree portfast
%Warning: portfast should only be enabled on ports connected to a single
 host. Connecting hubs, concentrators, switches, bridges, etc... to this
 interface  when portfast is enabled, can cause temporary bridging loops.
 Use with CAUTION

%Portfast will be configured in 2 interfaces due to the range command
 but will only have effect when the interfaces are in a non-trunking mode.
Ranet-SW(config-if-range)#int ran fa0/3 -4
Ranet-SW(config-if-range)#switchport mode access
Ranet-SW(config-if-range)#switchport access vlan 20
Ranet-SW(config-if-range)#spanning-tree portfast
%Warning: portfast should only be enabled on ports connected to a single
 host. Connecting hubs, concentrators, switches, bridges, etc... to this
 interface  when portfast is enabled, can cause temporary bridging loops.
 Use with CAUTION

%Portfast will be configured in 2 interfaces due to the range command
 but will only have effect when the interfaces are in a non-trunking mode.
Ranet-SW(config-if-range)#int gig1/1
```

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```
Ranet-SW(config-if)#switchport mode trunk

Ranet-SW(config-if)#


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

Ranet-SW#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Ranet-SW#
```

[ตั้งค่าที่ Ranet GW (คลิกที่เครื่อง console)] :

(ไปยังแท็บ Desktop > คลิก Terminal > กด OK)

```
Ranet-GW>en
Ranet-GW#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Ranet-GW(config)#int fa0/0
Ranet-GW(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-GW(config-if)#int fa0/0.1

Ranet-GW(config-subif)#

%LINK-5-CHANGED: Interface FastEthernet0/0.1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.1, changed state to up

Ranet-GW(config-subif)#encapsulation dot1Q 10

Ranet-GW(config-subif)#ip add 192.168.0.142 255.255.255.240

Ranet-GW(config-subif)#int fa0/0.2


%LINK-5-CHANGED: Interface FastEthernet0/0.2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.2, changed state to up

Ranet-GW(config-subif)#encapsulation dot1Q 20

Ranet-GW(config-subif)#ip add 192.168.0.158 255.255.255.240

Ranet-GW(config-subif)#


%SYS-5-CONFIG_I: Configured from console by consoleRanet-GW#

Ranet-GW#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 not set


    192.168.0.0/28 is subnetted, 2 subnets
C       192.168.0.128 is directly connected, FastEthernet0/0.1
C       192.168.0.144 is directly connected, FastEthernet0/0.2
Ranet-GW#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Ranet-GW#
```

[ไปยัง Host1] :

(ไปที่แท็บ Desktop > คลิกไอคอน Command Prompt)

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.0.145


Pinging 192.168.0.145 with 32 bytes of data:


Request timed out.
Reply from 192.168.0.145: bytes=32 time=18ms TTL=127
Reply from 192.168.0.145: bytes=32 time=14ms TTL=127
Reply from 192.168.0.145: bytes=32 time=19ms TTL=127


Ping statistics for 192.168.0.145:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 14ms, Maximum = 19ms, Average = 17ms
```

```
PC>ping 192.168.0.146

Pinging 192.168.0.146 with 32 bytes of data:


Request timed out.

Reply from 192.168.0.146: bytes=32 time=16ms TTL=127

Reply from 192.168.0.146: bytes=32 time=12ms TTL=127

Reply from 192.168.0.146: bytes=32 time=16ms TTL=127


Ping statistics for 192.168.0.146:

    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

    Minimum = 12ms, Maximum = 16ms, Average = 14ms


PC>
```

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