# เฉลยแล็ป Packet Activity

CCNA LAB 4-5: Port Security

**[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)#int ran fa0/1 -24
Ranet-SW(config-if-range)#switchport mode access
Ranet-SW(config-if-range)#switchport port-security
Ranet-SW(config-if-range)#switchport port-security maximum 1
Ranet-SW(config-if-range)#switchport port-security violation shutdown
Ranet-SW(config-if-range)#int fa0/1
Ranet-SW(config-if)#switchport port-security mac-address sticky
Ranet-SW(config-if)#int fa0/3
Ranet-SW(config-if)#switchport port-security mac-address 0030.F295.15C6
Ranet-SW(config-if)#


%SYS-5-CONFIG_I: Configured from console by consoleRanet-SW#
Ranet-SW#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Ranet-SW#
```

**[ไปยังเครื่อง Host1] :**

**(ไปยังแท็บ Desktop > คลิกไอคอน Command Prompt)**

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.0.60


Pinging 192.168.0.60 with 32 bytes of data:
```

**RANET**
**A R T I C L E**

Reply from 192.168.0.60: bytes=32 time=44ms TTL=128

Reply from 192.168.0.60: bytes=32 time=4ms TTL=128

Reply from 192.168.0.60: bytes=32 time=5ms TTL=128

Reply from 192.168.0.60: bytes=32 time=4ms TTL=128


Ping statistics for 192.168.0.60:

    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

    Minimum = 4ms, Maximum = 44ms, Average = 14ms


PC>ping 192.168.0.59


Pinging 192.168.0.59 with 32 bytes of data:


Request timed out.

Request timed out.

Request timed out.

Request timed out.


Ping statistics for 192.168.0.59:

    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),


PC>ping 192.168.0.58


Pinging 192.168.0.58 with 32 bytes of data:


Request timed out.

Request timed out.

Request timed out.

Request timed out.


Ping statistics for 192.168.0.58:

    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),


PC>

(จะเห็นว่าที่ Ranet-SW พอร์ท Fa0/2 ถูกปิดเนื่องจากได้รับ MAC Address ต้นทาง มากกว่าข้อกำหนดที่ตั้งไว้ (Max = 1) ส่วนพอร์ท Fa0/3 ถูกปิด เนื่องจาก MAC Address ต้นทาง ไม่ตรงกับที่ตั้งค่าไว้)

[ตั้งค่าที่ Ranet SW (คลิกที่เครื่อง console)] :

(ไปยังแท๊บ Desktop > คลิก Terminal > กด OK)

```
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to down

%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to down

Ranet-SW#sh port-security address
                        Secure Mac Address Table
-------------------------------------------------------------------------

Vlan     Mac Address       Type               Ports         Remaining Age
                                                            (mins)
----     --------------                       -----         ------------
1        0030.F214.8793  SecureSticky         FastEthernet0/1     -
1        0030.F295.15C6  SecureConfigured     FastEthernet0/3     -

-------------------------------------------------------------------------

Total Addresses in System (excluding one mac per port)     : 0

Max Addresses limit in System (excluding one mac per port) : 1024

Ranet-SW#sh int fa0/2

FastEthernet0/2 is down, line protocol is down (err-disabled)

<ละข้อความไว้>

Ranet-SW#sh int fa0/3

FastEthernet0/3 is down, line protocol is down (err-disabled)

<ละข้อความไว้>
```