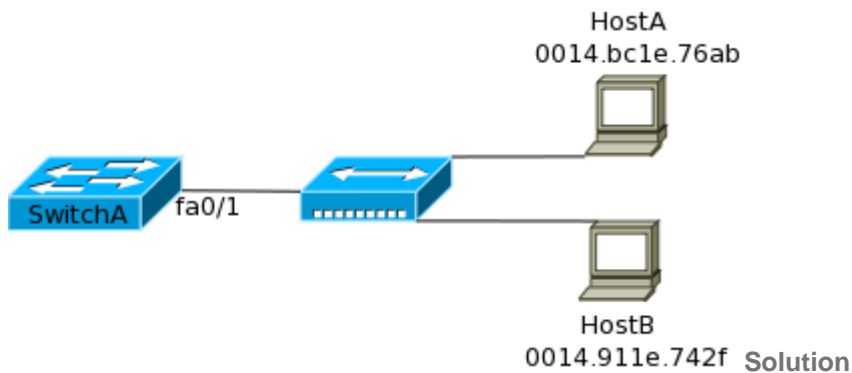


6-8 Lab 6-1 – Port Security

In the network shown in Figure 6-15, a hub has been connected to interface fa0/1 of SwitchA. It is an 8-port hub but only 5 hosts are allowed to connect to it. The administrator wants to ensure that only 5 hosts can connect. HostA and HostB along with any 3 other hosts can connect to the hub. Configure port security on switchport fa0/1 to fulfill this requirement. In case of a violation, the port should not be put in an error disabled mode but the administrator should be informed.

Figure 6-15 Lab 6-1



The lab requires configuring port security such that a maximum of 5 hosts can connect at a time. The MAC addresses of the two hosts also need to be added to port security and the violation mode must be changed to restrict. The configuration required is shown below:

```
SwitchA#configure terminal
SwitchA(config)#interface fa0/1
SwitchA(config-if)#switchport port-security
SwitchA(config-if)#switchport port-security maximum 5
SwitchA(config-if)#switchport port-security mac-address 0014.bc1e.76ab
SwitchA(config-if)#switchport port-security mac-address 0014.911e.742f
SwitchA(config-if)#switchport port-security violation restrict
```

You can verify the configuration using the **show port-security** command as shown below:

```
NAC-Main-L3#show port-security
Secure Port MaxSecureAddr CurrentAddr SecurityViolation Security Action
(Count)      (Count)      (Count)
-----
fa0/1        5             2             0             Restrict
```

