Cisco Port Security - Sticky Ports

For port security there are three lines that need adding to each port config.

Set the maximum to 2, as we have phone and desktop.

interface FastEthernet0/15

switchport access vlan 3130

switchport mode access

switchport voice vlan 3131

switchport port-security maximum 2

switchport port-security

switchport port-security mac-address sticky

switchport port-security mac-address sticky 0080.64be.4a5c

switchport port-security mac-address sticky 8478.acc6.1d80 vlan voice

service-policy input FGH-Access-3560-Untrusted

srr-queue bandwidth share 10 10 60 20

srr-queue bandwidth shape 10 0 0 0

priority-queue out

spanning-tree portfast

end

**Configuration Steps.**

Log onto switch

conf t

int fa 0/15

Paste the three lines in.

switchport port-security maximum 2

switchport port-security

switchport port-security mac-address sticky

**Checking**

sh port-security interface fa0/15

VL01A03#

VL01A03#sh port-security interface fa0/15

Port Security : Enabled

Port Status : Secure-up

Violation Mode : Shutdown

Aging Time : 0 mins

Aging Type : Absolute

SecureStatic Address Aging : Disabled

Maximum MAC Addresses : 2

Total MAC Addresses : 2

Configured MAC Addresses : 0

Sticky MAC Addresses : 2

Last Source Address:Vlan : 8478.acc6.1d80:3131

Security Violation Count : 0

If devices are connected you will see a value in Maximum MAC Addresses

**Violation**

If another device is plugged in the port will go error disabled.

VL01A03#sh int fa0/15

FastEthernet0/15 is down, line protocol is down (err-disabled)

Hardware is Fast Ethernet, address is 0019.55cf.6391 (bia 0019.55cf.6391)

MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,

reliability 255/255, txload 1/255, rxload 1/255

Encapsulation ARPA, loopback not set

To enable again, the registered device must be plugged back in. Then ‘shut ‘ the port down and then ‘no shut’.

**To clear MAC Addresses off.**

**On an interface**

Shut the port

VL01A02(config-if)#no switchport port-security mac-address sticky

No shut the port.

**On the whole Switch**

clear port-security dynamic