Switch Config: *IOS version 12.2(50) SE1*

interface GigabitEthernet0/28 (***Port that laptop connects to***)

 switchport access vlan 121

 switchport voice vlan 4

 speed 1000

 duplex full

 snmp trap mac-notification change added

 spanning-tree portfast

!

snmp-server community read-community RO

snmp-server community write-community RW

snmp-server enable traps snmp authentication linkdown linkup coldstart warmstart

snmp-server enable traps transceiver all

snmp-server enable traps tty

snmp-server enable traps eigrp

snmp-server enable traps ospf state-change

snmp-server enable traps ospf errors

snmp-server enable traps ospf retransmit

snmp-server enable traps ospf lsa

snmp-server enable traps ospf cisco-specific state-change nssa-trans-change

snmp-server enable traps ospf cisco-specific state-change shamlink interface-old

snmp-server enable traps ospf cisco-specific state-change shamlink neighbor

snmp-server enable traps ospf cisco-specific errors

snmp-server enable traps ospf cisco-specific retransmit

snmp-server enable traps ospf cisco-specific lsa

snmp-server enable traps cluster

snmp-server enable traps entity

snmp-server enable traps cpu threshold

snmp-server enable traps power-ethernet group 1

snmp-server enable traps power-ethernet police

snmp-server enable traps rep

snmp-server enable traps vtp

snmp-server enable traps vlancreate

snmp-server enable traps vlandelete

snmp-server enable traps flash insertion removal

snmp-server enable traps port-security

snmp-server enable traps auth-framework sec-violation

snmp-server enable traps dot1x auth-fail-vlan guest-vlan no-auth-fail-vlan no-guest-vlan

snmp-server enable traps envmon fan shutdown supply temperature status

snmp-server enable traps bgp

snmp-server enable traps cef resource-failure peer-state-change peer-fib-state-change inconsistency

snmp-server enable traps config-copy

snmp-server enable traps config

snmp-server enable traps config-ctid

snmp-server enable traps event-manager

snmp-server enable traps hsrp

snmp-server enable traps ipmulticast

snmp-server enable traps isis

snmp-server enable traps msdp

snmp-server enable traps pim neighbor-change rp-mapping-change invalid-pim-message
snmp-server enable traps energywise
snmp-server enable traps bridge newroot topologychange
snmp-server enable traps stpx inconsistency root-inconsistency loop-inconsistency
snmp-server enable traps syslog
snmp-server enable traps rtr
snmp-server enable traps mac-notification change move threshold
snmp-server enable traps vlan-membership
snmp-server enable traps errdisable
snmp-server host x.x.x.x read-community mac-notification snmp
snmp-server host x.x.x.x write-community mac-notification snmp
snmp ifmib ifindex persist
!
mac address-table notification change interval 0
mac address-table notification change
mac address-table notification mac-move
mac address-table move update transmit
mac address-table move update receive
mac address-table aging-time 3600
end

CAM Screen Shots:

Monitoring > SNMP

Disable   SNMP Traps

Trapsink IP	Community	

Read-Only Community String   `read-community`
(Leave blank to disable SNMP polling of Clean Access Manager)

Disk Trap Threshold   `50` %
(Trap will be sent when root partition free space falls below specified percentage)

One-Minute Load Average Threshold   `3.0`

Five-Minute Load Average Threshold   `2.0`

Fifteen-Minute Load Average Threshold   `1.0`
(Load averages as per standard unix definition, leave blank to disable)

Update   SNMP configuration with new thresholds

Download   SNMP MIBs archive

OOB Management > Profiles

Group	Device	Port	VLAN	SNMP

SNMP Trap · Advanced Settings

(Configure the SNMP daemon running on the Clean Access Manager. The device setup must match these settings to be able to send traps

Trap Port on Clean Access Manager   `162`

SNMP V1 Settings
Community String   `read-community`

SNMP V2c Settings
Community String   ` `

SNMP V3 Settings
Security Method (Auth/Priv)   `No Auth ▾` `No Priv ▾`

User Name   ` `

User Auth   ` `

User Priv   ` `

Group	Device	Port	VLAN	SNMP Receiver

SNMP Trap · Advanced Settings

MAC-NOTIFICATION Trap Timeout   `60`   seconds
(Period after which received traps are dropped. If set to zero, traps are never dropped)

Linkup Trap Bounce Timeout   `180`   seconds
(Period after which to bounce the port to generate new trap if MAC address query failed)

Linkup Trap Retry Query Interval   `4`   seconds
(Delay before retrying MAC address query)

Port-Security Delay   `3`   seconds
(Delay before setting port-security information on the switch)

DHCP Release Delay   `1`   seconds
(Delay between user login and DHCP release)

VLAN Change Delay   `2`   seconds
(Delay between user login and VLAN Change)

Port Bounce Interval   `5`   seconds
(Delay between port-off and port-on)

DHCP Renew Delay   `3`   seconds
(Delay between DHCP release and DHCP renew)

Redirection Delay without Bouncing   `2`   seconds
(Delay between vlan change and webpage redirection for ports without bouncing option checked)

Redirection Delay with Bouncing   `15`   seconds
(Delay between port bouncing and webpage redirection for ports with bouncing option checked)

SNMP Timeout   `5`   seconds
(Timeout value for SNMP requests from CAM to managed devices)

OOB Management > Profiles

(These settings must match the device setup to ensure that the Clean Access Manager can read/write to the device correctly)

Profile Name   3560G

Device Model   Cisco Catalyst 3560 series ▼

SNMP Port   161

Description   3560G Switches

SNMP Read Settings

SNMP Version   SNMP V1 ▼

Community String   read-community

SNMP Write Settings

SNMP Version   SNMP V1 ▼

Community String   write-community