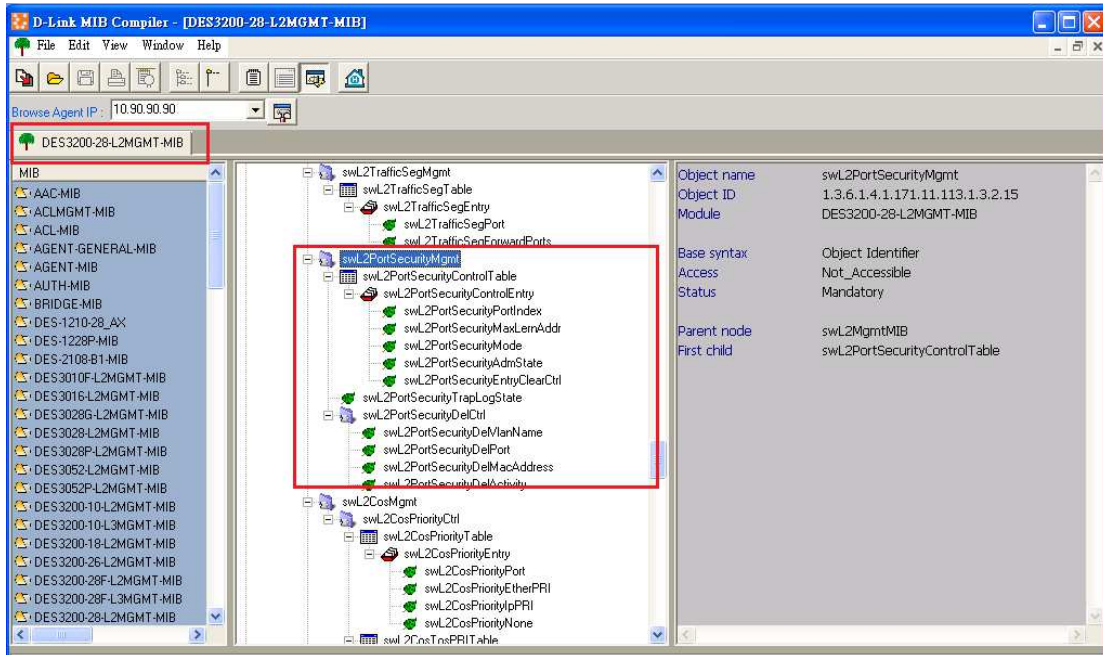# How to configure Port Security via NET-SNMP on DES-3200

DES-3200-10: 1.3.6.1.4.1.171.11.113.1.**1**.2.15
DES-3200-18: 1.3.6.1.4.1.171.11.113.1.**2**.2.15
DES-3200-26: 1.3.6.1.4.1.171.11.113.1.**5**.2.15
DES-3200-28: 1.3.6.1.4.1.171.11.113.1.**3**.2.15
DES-3200-28F: 1.3.6.1.4.1.171.11.113.1.**4**.2.15
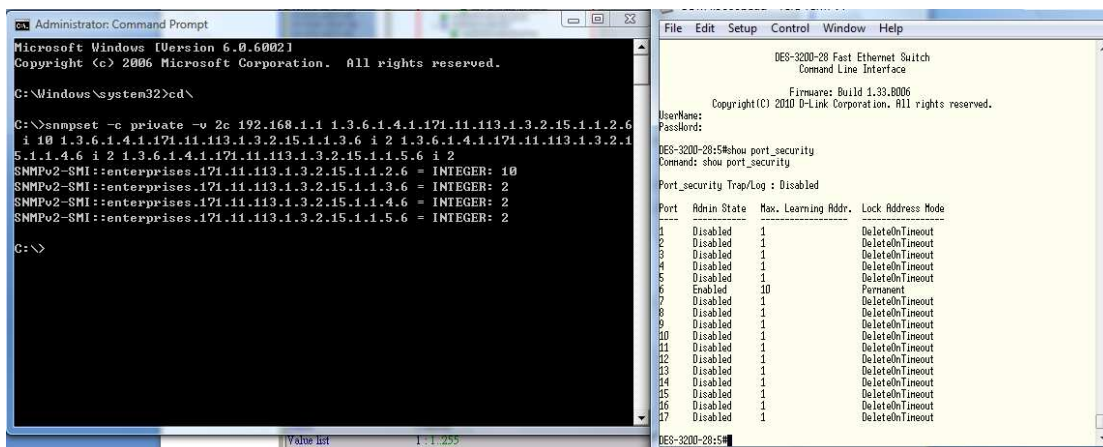
We use the DES-3200-28 for the following example.

SNMP command

#snmpset -c private -v 2c 192.168.1.1 1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.2.6 i 10
1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.3.6 i 2 1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.4.6 i 2
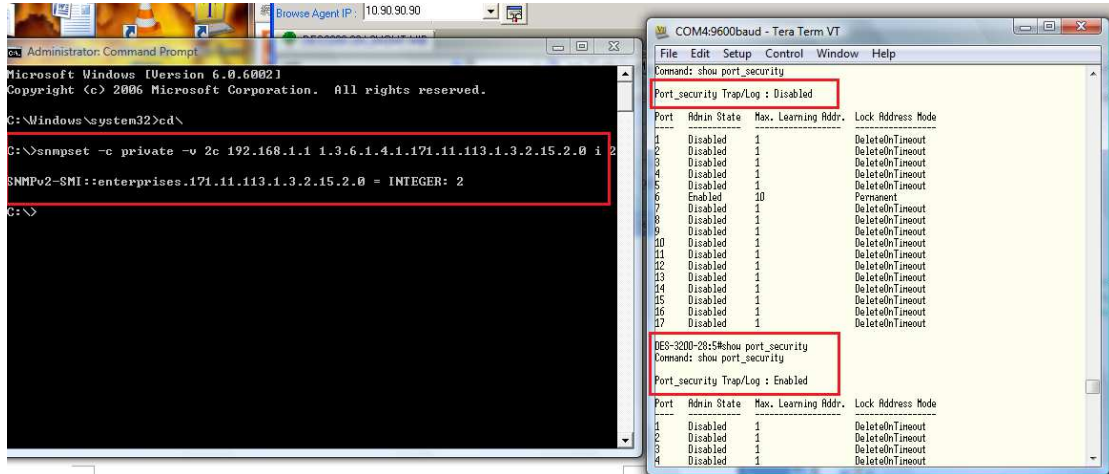1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.5.6 i 2

Clear port security entry

#snmpset -c private -v 2c 192.168.1.1 1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.5.6 i 2

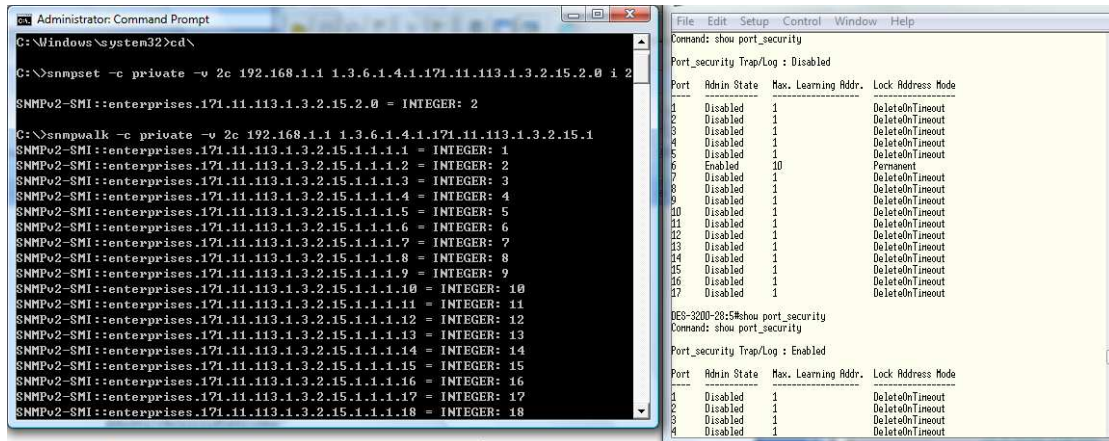## Enable port_security trap_log

#snmpset -c private -v 2c 192.168.1.1 1.3.6.1.4.1.171.11.113.1.3.2.15.2.0 i 2

Show port security table

#snmpwalk -c private -v 2c 192.168.1.1 1.3.6.1.4.1.171.11.113.1.3.2.15.1

swL2PortSecurityPortIndex

Object name	swL2PortSecurityPortIndex
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.1
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 1..255
Parent node	swL2PortSecurityControlEntry
First child	None
Description	Indicates a secured port to lock address learning.

swL2PortSecurityMaxLernAddr

Object name	swL2PortSecurityMaxLernAddr
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.2
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 0..64
Parent node	swL2PortSecurityControlEntry
First child	None
Description	Indicates the allowable number of addresses to be lea

swL2PortSecurityMode

Object name	swL2PortSecurityMode
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.3
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1)
	2 : permanent(2)
	3 : deleteOnTimeout(3)
	4 : deleteOnReset(4)
Parent node	swL2PortSecurityControlEntry
First child	None
Description	Indicates the mode of locking address.
	In deleteOnTimeout (3) mode - the locked addresses
	expires. In this mode, when the locked address is age
	out, the number of addresses that can be learned has
	increased by one.
	In deleteOnReset (4) mode - never age out the locke
	the system to prevent port movement or intrusion.

swL2PortSecurityAdmState

Object name	swL2PortSecurityAdmState
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.4
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1)
	2 : enable(2)
	3 : disable(3)
Parent node	swL2PortSecurityControlEntry
First child	None
Description	Indicates an administration state of locking address.

swL2PortSecurityEntryClearCtrl

Object name	swL2PortSecurityEntryClearCtrl
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.15.1.1.5
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1)
	2 : start(2)
Parent node	swL2PortSecurityControlEntry
First child	None
Description	Used to clear port security entries by port.
	Setting this value to 'start' will execute the clear actio
	Once cleared, the value returns to 'other'.

swL2PortSecurityTrapLogState

```
Object name        swL2PortSecurityTrapLogState
Object ID          1.3.6.1.4.1.171.11.113.1.3.2.15.2
Module             DES3200-28-L2MGMT-MIB

Base syntax        Integer
Composed syntax    INTEGER
Access             Read-Write
Status             Current
Value list         1 : other(1)
                   2 : enable(2)
                   3 : disable(3)

Parent node        swL2PortSecurityMgmt
First child        None
Description         When enabled (2), whenever there's a new MAC tha
                   port security configuration, a trap will be sent out an
                   will be logged in the system.
```

swL2PortSecurityDelVlanName

```
Object name        swL2PortSecurityDelVlanName
Object ID          1.3.6.1.4.1.171.11.113.1.3.2.15.3.1
Module             DES3200-28-L2MGMT-MIB

Base syntax        Octet String
Composed syntax    DisplayString
Access             Read-Write
Status             Current
Value list         1 : 0..32

Parent node        swL2PortSecurityDelCtrl
First child        None
Description         Indicates the VLAN name.
```

swL2PortSecurityDelPort

```
Object name        swL2PortSecurityDelPort
Object ID          1.3.6.1.4.1.171.11.113.1.3.2.15.3.2
Module             DES3200-28-L2MGMT-MIB

Base syntax        Integer
Composed syntax    INTEGER
Access             Read-Write
Status             Current
Value list         1 : 0..768

Parent node        swL2PortSecurityDelCtrl
First child        None
Description         Indicates the port. 0 means the function dose not wo
```

swL2PortSecurityDelMacAddress

```
Object name          swL2PortSecurityDelMacAddress
Object ID            1.3.6.1.4.1.171.11.113.1.3.2.15.3.3
Module               DES3200-28-L2MGMT-MIB

Base syntax          Octet String
Composed syntax      MacAddress
Access               Read-Write
Status               Current
Value list           1 : 6..6

Parent node          swL2PortSecurityDelCtrl
First child          None
Description          Specifies the MAC address.
```

swL2PortSecurityDelActivity


```
Object name          swL2PortSecurityDelActivity
Object ID            1.3.6.1.4.1.171.11.113.1.3.2.15.3.4
Module               DES3200-28-L2MGMT-MIB

Base syntax          Integer
Composed syntax      INTEGER
Access               Read-Write
Status               Current
Value list           1 : none(1)
                     2 : start(2)

Parent node          swL2PortSecurityDelCtrl
First child          None
Description
```