

How to clear **Port Error Counters** via NETSNMP in **DES-3200 A1/B1** series?

The OIDs are defined in "**swL2DevCtrlCleanAllStatisticCounter**" of "**DES3200-XX-L2mgmt-MIB.mib**".

And the related OID for DES-3200 **A1/B1** Series

1.3.6.1.4.1.171.11.113.1.1.2.1.2.12 => DES-3200-10
1.3.6.1.4.1.171.11.113.1.2.2.1.2.12 => DES-3200-18
1.3.6.1.4.1.171.11.113.1.3.2.1.2.12 => DES-3200-28
1.3.6.1.4.1.171.11.113.1.4.2.1.2.12 => DES-3200-28F
1.3.6.1.4.1.171.11.113.1.5.2.1.2.12 => DES-3200-26

The following example is **DES-3200-28**:

swL2DevCtrlCleanAllStatisticCounter (1.3.6.1.4.1.171.11.113.1.3.2.1.2.12)

Object name	swL2DevCtrlCleanAllStatisticCounter
Object ID	1.3.6.1.4.1.171.11.113.1.3.2.1.2.12
Module	DES3200-28-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : normal(1) 2 : active(2)
Parent node	swL2DevCtrl
First child	None
Description	As the object is set to active, all the statistic counters will be cleared. If set to normal, do nothing.

Suppose the error counters as below, how to clear the counters?

```
DES-3200-28:5#show error ports 1
Command: show error ports 1

Port Number : 1
RX Frames
-----
CRC Error      100      Excessive Deferral  0
Undersize      0         CRC Error            0
Oversize       0         Late Collision       0
Fragment       0         Excessive Collision  0
Jabber         0         Single Collision     0
Drop Pkts      -         Collision            0
TX Frames
-----
```

Clear Counters

```
Object name      swL2DevCtrlCleanAllStatisticCounter
Object ID        1.3.6.1.4.1.171.11.113.1.3.2.1.2.12
Module           DES3200-28-L2MGMT-MIB

Base syntax      Integer
Composed syntax  INTEGER
Access           Read-Write
Status           Current
Value list       1 : normal(1)
                 2 : active(2)

Parent node      swL2DevCtrl
First child      None
Description      As the object is set to active, all the statistic counters will be cleared.
                 If set to normal, do nothing.
```

For example:

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.1.2.12.0 i 2
```

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.1.2.12.0 i 2
SNMPv2-SMI::enterprises.171.11.113.1.3.2.1.2.12.0 = INTEGER: 2
```

And the result:

```
DES-3200-28:5#show error ports 1
Command: show error ports 1

Port Number : 1
RX Frames
-----
CRC Error      0         Excessive Deferral  0
Undersize      0         CRC Error            0
Oversize       0         Late Collision       0
Fragment       0         Excessive Collision  0
Jabber         0         Single Collision     0
Drop Pkts      -         Collision            0
TX Frames
-----
```