

How to use NET-SNMP – Traffic Control

1. Set threshold to 100

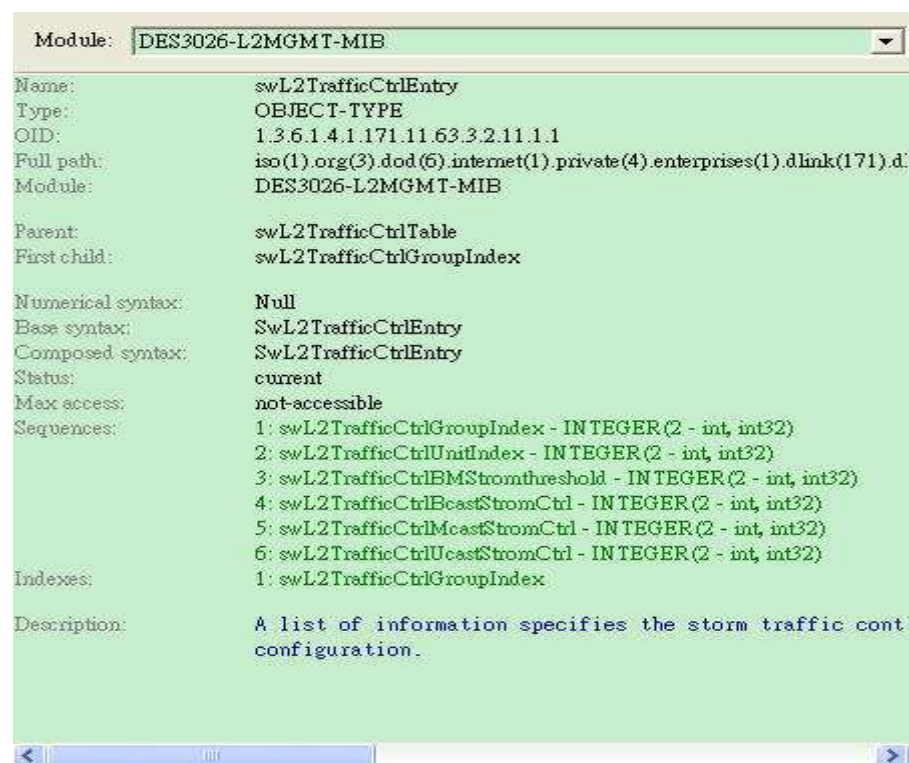
```
# snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.63.3.2.11.1.1.3.1 i 110
```

2. Enable Broadcast, Multicast and Unicast storm control

```
# snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.63.3.2.11.1.1.4.1 i 3  
1.3.6.1.4.1.171.11.63.3.2.11.1.1.5.1 i 3 1.3.6.1.4.1.171.11.63.3.2.11.1.1.6.1 i 3
```

1 → Port 1

OID for Traffic Control



Module:	DES3026-L2MGMT-MIB
Name:	swL2TrafficCtrlEntry
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.11.63.3.2.11.1.1
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).d
Module:	DES3026-L2MGMT-MIB
Parent:	swL2TrafficCtrlTable
First child:	swL2TrafficCtrlGroupIndex
Numerical syntax:	Null
Base syntax:	SwL2TrafficCtrlEntry
Composed syntax:	SwL2TrafficCtrlEntry
Status:	current
Max access:	not-accessible
Sequences:	1: swL2TrafficCtrlGroupIndex - INTEGER(2 - int, int32) 2: swL2TrafficCtrlUnitIndex - INTEGER(2 - int, int32) 3: swL2TrafficCtrlBMSstromthreshold - INTEGER(2 - int, int32) 4: swL2TrafficCtrlBcastStromCtrl - INTEGER(2 - int, int32) 5: swL2TrafficCtrlMcastStromCtrl - INTEGER(2 - int, int32) 6: swL2TrafficCtrlUcastStromCtrl - INTEGER(2 - int, int32)
Indexes:	1: swL2TrafficCtrlGroupIndex
Description:	A list of information specifies the storm traffic cont configuration.

D-Link Switch: DES-3026

Module: DES3026-L2MGMT-MIB

Name:	swL2TrafficCtrlGroupIndex
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.11.63.3.2.11.1.1.1
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).d
Module:	DES3026-L2MGMT-MIB
Parent:	swL2TrafficCtrlEntry
Next sibling:	swL2TrafficCtrlUnitIndex
Numerical syntax:	Integer (32 bit)
Base syntax:	INTEGER
Composed syntax:	INTEGER
Status:	current
Max access:	read-only
Size list:	1: 0, 65535

Description: The index of logical port trunk. The trunk group number on the existence of unit and module.

Module: DES3026-L2MGMT-MIB

Name:	swL2TrafficCtrlUnitIndex
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.11.63.3.2.11.1.1.2
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).d
Module:	DES3026-L2MGMT-MIB
Parent:	swL2TrafficCtrlEntry
Prev sibling:	swL2TrafficCtrlGroupIndex
Next sibling:	swL2TrafficCtrlBMSstromthreshold
Numerical syntax:	Integer (32 bit)
Base syntax:	INTEGER
Composed syntax:	INTEGER
Status:	current
Max access:	read-only
Size list:	1: 0, 65535

Description: Indicates ID of the unit in the device

D-Link Switch: DES-3026

Module: DES3026-L2MGMT-MIB

Name: swL2TrafficCtrlBMStromthreshold
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.63.3.2.11.1.1.3
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).d.
Module: DES3026-L2MGMT-MIB
Parent: swL2TrafficCtrlEntry
Prev sibling: swL2TrafficCtrlUnitIndex
Next sibling: swL2TrafficCtrlBcastStromCtrl

Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-write
Size list: 1: 64..1024000

Description: This object to decide how much thousand packets per second broadcast/multicast (depend on swL2TrafficCtrlBcastStromCtrl or swL2TrafficCtrlMcastStromCtrl or swL2TrafficCtrlUcastStromCtrl objects whether is enabled) will active storm control. When a port reaches its configured amount of packets in the second time interval, the device will start dropping traffic of packet, until the time interval has expired. Once the time interval has expired, the device will start forwarding of packet.

Module: DES3026-L2MGMT-MIB

Name: swL2TrafficCtrlBcastStromCtrl
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.63.3.2.11.1.1.4
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).d.
Module: DES3026-L2MGMT-MIB
Parent: swL2TrafficCtrlEntry
Prev sibling: swL2TrafficCtrlBMStromthreshold
Next sibling: swL2TrafficCtrlMcastStromCtrl

Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-write
Value list: 1: other(1)
2: disabled(2)
3: enabled(3)

Description: This object indicates broadcast storm control function enabled or disabled.

D-Link Switch: DES-3026

Module: DES3026-L2MGMT-MIB

Name: swL2TrafficCtrlMcastStromCtrl
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.63.3.2.11.1.1.5
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).d
Module: DES3026-L2MGMT-MIB

Parent: swL2TrafficCtrlEntry
Prev sibling: swL2TrafficCtrlBcastStromCtrl
Next sibling: swL2TrafficCtrlUcastStromCtrl

Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-write
Value list:
1: other(1)
2: disabled(2)
3: enabled(3)

Description: This object indicates multicast storm control function enabled or disabled.

Module: DES3026-L2MGMT-MIB

Name: swL2TrafficCtrlUcastStromCtrl
Type: OBJECT-TYPE
OID: 1.3.6.1.4.1.171.11.63.3.2.11.1.1.6
Full path: iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).d
Module: DES3026-L2MGMT-MIB

Parent: swL2TrafficCtrlEntry
Prev sibling: swL2TrafficCtrlMcastStromCtrl

Numerical syntax: Integer (32 bit)
Base syntax: INTEGER
Composed syntax: INTEGER
Status: current
Max access: read-write
Value list:
1: other(1)
2: disabled(2)
3: enabled(3)

Description: This object indicates destination lookup fail function enabled or disabled.