

## How to get **Statistics of IGMP Snooping Group** via NETSNMP in **DES-3200?**

The OIDs are defined in "[McastSnooping.mib](#)".

### **swIGMPSnoopingGroupTable (1.3.6.1.4.1.171.12.73.2.1.2)**

Object name	swIGMPSnoopingGroupTable
Object ID	1.3.6.1.4.1.171.12.73.2.1.2
Module	MCAST-SNOOPING-MIB
Base syntax	Sequence Of swIGMPSnoopingGroupEntry
Access	Not_Accessible
Status	Current
Sequence	1:swIGMPSnpGrpSrcAddr - IP Address 2:swIGMPSnpGrpGrpAddr - IP Address 3:swIGMPSnpGrpIncludeMemberPorts - Octet String 4:swIGMPSnpGrpExcludeMemberPorts - Octet String 5:swIGMPSnpGrpRouterPorts - Octet String 6:swIGMPSnpGrpUpTime - Integer 7:swIGMPSnpGrpExpiryTime - Integer 8:swIGMPSnpGrpReportCount - Integer
Parent node	swIGMPSnoopingInfo
First child	swIGMPSnoopingGroupEntry
Description	This contains information about the IGMP snooping group info table. This table only shows dynamic groups (including data driven learning groups), to show static groups, the swIGMPSnoopingStaticGroupTable should be used.

Suppose the switch configuration as below, how to get this information?

```
DES-3200-26:5#show igmp_snooping gro
Command: show igmp_snooping group

Source/Group      : NULL/239.1.2.3
VLAN Name/VID     : default/1
Reports           : 3
Member Ports      : 7-8
Router Ports      :
Up time           : 184
Expire Time       : 245
Filter Mode       : EXCLUDE
```

## 1) IGMP Group Entry

swIGMPSnpGrpGrpAddr (1.3.6.1.4.1.171.12.73.2.1.2.1.2)

For example:

*snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.2*

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.2
SNMPv2-SMI::enterprises.171.12.73.2.1.2.1.2.1.0.0.0.0.239.1.2.3 = IPAddress: 239
.1.2.3
```

## 2) Router port

swIGMPSnpGrpRouterPorts (1.3.6.1.4.1.171.12.73.2.1.2.1.5)

For example:

*snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.5*

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.5
SNMPv2-SMI::enterprises.171.12.73.2.1.2.1.5.1.0.0.0.0.239.1.2.3 = Hex-STRING: 00
00 00 00 00 00 00
```

## 3) UP time

swIGMPSnpGrpUpTime (1.3.6.1.4.1.171.12.73.2.1.2.1.6)

For example:

*snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.6*

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.6
SNMPv2-SMI::enterprises.171.12.73.2.1.2.1.6.1.0.0.0.0.239.1.2.3 = INTEGER: 184
```

## 4) Expire time

swIGMPSnpGrpExpiryTime (1.3.6.1.4.1.171.12.73.2.1.2.1.7)

For example:

*snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.7*

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.7
SNMPv2-SMI::enterprises.171.12.73.2.1.2.1.7.1.0.0.0.0.239.1.2.3 = INTEGER: 245
```

## 5) Report counter

swIGMPSnpGrpReportCount (1.3.6.1.4.1.171.12.73.2.1.2.1.8)

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.8
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.8
SNMPv2-SMI::enterprises.171.12.73.2.1.2.1.8.1.0.0.0.0.239.1.2.3 = INTEGER: 3
```

## 6) Member port (INCLUDE mode)

swIGMPSnpGrpIncludeMemberPorts (1.3.6.1.4.1.171.12.73.2.1.2.1.3)

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.3
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.3
SNMPv2-SMI::enterprises.171.12.73.2.1.2.1.3.1.0.0.0.0.239.1.2.3 = Hex-STRING: 00
00 00 00 00 00 00 00
```

## 7) Member port (EXCLUDE mode)

swIGMPSnpGrpExcludeMemberPorts (1.3.6.1.4.1.171.12.73.2.1.2.1.4)

For example:

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.4
```

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.73.2.1.2.1.4
SNMPv2-SMI::enterprises.171.12.73.2.1.2.1.4.1.0.0.0.0.239.1.2.3 = Hex-STRING: 03
00 00 00 00 00 00 00
```