

## How to use

### NET-SNMP to set up the ISM Function in DES3200 series

The related OID located in **swL2MgmtMIB**

Following is the related OID for DES-3200 series

1.3.6.1.4.1.171.11.113.1.1 [DES-3200-10](#)

1.3.6.1.4.1.171.11.113.1.2 [DES-3200-18](#)

1.3.6.1.4.1.171.11.113.1.5 [DES-3200-26](#)

1.3.6.1.4.1.171.11.113.1.3 [DES-3200-28](#)

1.3.6.1.4.1.171.11.113.1.3 [DES-3200-28F](#)

Take DES-3200-10 for example

#### Step1. Create ISM VLAN test

```
# snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.2.2 s test
1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.8.2 i 4
```

#### Step2. Add member port 1-10, source port 25-26, Replace source IP 10.90.90.150

```
# snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.3.2 x 000000C000000000
1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.4.2 x FFC0000000000000 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.6.2 i
1 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.7.2 a 10.90.90.150
```

#### Add source ports

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.3.2 x 000000C000000000
```

00	00	00	C0	00000000
00000000	00000000	00000000	11000000	
1-8 port	9-16 port	17-24 port	25-32 port	

#### Add member ports

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.4.2 x FFC0000000000000
```

FF	C0	00	00	00000000
11111111	11000000	00000000	00000000	
1-8 port	9-16 port	17-24 port	25-32 port	

#### Enable Multicast VLAN

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.6.2 i 1
```

#### Configure replace source IP

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.1.2.7.8.1.7.2 a 10.90.90.150
```

<ul style="list-style-type: none"> <li>swL2IGMPAccessAuthPort</li> <li>swL2IGMPAccessAuthState</li> <li><b>swL2IGMPMulticastVlanTable</b> <ul style="list-style-type: none"> <li>swL2IGMPMulticastVlanEntry           <ul style="list-style-type: none"> <li>swL2IGMPMulticastVlanId</li> <li>swL2IGMPMulticastVlanName</li> <li>swL2IGMPMulticastVlanSourcePort</li> <li>swL2IGMPMulticastVlanMemberPort</li> <li>swL2IGMPMulticastVlanTagMemberPort</li> <li>swL2IGMPMulticastVlanState</li> <li>swL2IGMPMulticastVlanReplaceSourceIp</li> <li>swL2IGMPMulticastVlanRowStatus</li> <li>swL2IGMPMulticastVlanUntagSourcePort</li> <li>swL2IGMPMulticastVlanRemapPriority</li> <li>swL2IGMPMulticastVlanReplacePriority</li> </ul> </li> </ul> </li> <li>swL2IGMPMulticastVlanGroupTable           <ul style="list-style-type: none"> <li>swL2IGMPMulticastVlanGroupEntry               <ul style="list-style-type: none"> <li>swL2IGMPMulticastVlanGroupVid</li> <li>swL2IGMPMulticastVlanGroupFromIp</li> <li>swL2IGMPMulticastVlanGroupToIp</li> <li>swL2IGMPMulticastVlanGroupStatus</li> </ul> </li> </ul> </li> <li>swL2IGMPDylnpMultMgmt</li> </ul>	<table border="1"> <tr> <td>Object name</td> <td>swL2IGMPMulticastVlanTable</td> </tr> <tr> <td>Object ID</td> <td>1.3.6.1.4.1.171.11.113.1.1.2.7.8</td> </tr> <tr> <td>Module</td> <td>DES3200-10-L2MGMT-MIB</td> </tr> <tr> <td>Base syntax</td> <td>Sequence Of swL2IGMPMulticastVlanEntry</td> </tr> <tr> <td>Access</td> <td>Not_Accessible</td> </tr> <tr> <td>Status</td> <td>Current</td> </tr> <tr> <td>Sequence</td> <td>           1:swL2IGMPMulticastVlanid - Integer            2:swL2IGMPMulticastVlanName - Octet String            3:swL2IGMPMulticastVlanSourcePort - Octet String            4:swL2IGMPMulticastVlanMemberPort - Octet String            5:swL2IGMPMulticastVlanTagMemberPort - Octet String            6:swL2IGMPMulticastVlanState - Integer            7:swL2IGMPMulticastVlanReplaceSourceIp - IP Address            8:swL2IGMPMulticastVlanRowStatus - Integer            9:swL2IGMPMulticastVlanUntagSourcePort - Octet String            10:swL2IGMPMulticastVlanRemapPriority - Integer            11:swL2IGMPMulticastVlanReplacePriority - Integer         </td> </tr> <tr> <td>Parent node</td> <td>swIGMPpackage</td> </tr> <tr> <td>First child</td> <td>swL2IGMPMulticastVlanEntry</td> </tr> <tr> <td>Description</td> <td>Information about the IGMP snooping multicast VLAN table.</td> </tr> </table>	Object name	swL2IGMPMulticastVlanTable	Object ID	1.3.6.1.4.1.171.11.113.1.1.2.7.8	Module	DES3200-10-L2MGMT-MIB	Base syntax	Sequence Of swL2IGMPMulticastVlanEntry	Access	Not_Accessible	Status	Current	Sequence	1:swL2IGMPMulticastVlanid - Integer 2:swL2IGMPMulticastVlanName - Octet String 3:swL2IGMPMulticastVlanSourcePort - Octet String 4:swL2IGMPMulticastVlanMemberPort - Octet String 5:swL2IGMPMulticastVlanTagMemberPort - Octet String 6:swL2IGMPMulticastVlanState - Integer 7:swL2IGMPMulticastVlanReplaceSourceIp - IP Address 8:swL2IGMPMulticastVlanRowStatus - Integer 9:swL2IGMPMulticastVlanUntagSourcePort - Octet String 10:swL2IGMPMulticastVlanRemapPriority - Integer 11:swL2IGMPMulticastVlanReplacePriority - Integer	Parent node	swIGMPpackage	First child	swL2IGMPMulticastVlanEntry	Description	Information about the IGMP snooping multicast VLAN table.
Object name	swL2IGMPMulticastVlanTable																				
Object ID	1.3.6.1.4.1.171.11.113.1.1.2.7.8																				
Module	DES3200-10-L2MGMT-MIB																				
Base syntax	Sequence Of swL2IGMPMulticastVlanEntry																				
Access	Not_Accessible																				
Status	Current																				
Sequence	1:swL2IGMPMulticastVlanid - Integer 2:swL2IGMPMulticastVlanName - Octet String 3:swL2IGMPMulticastVlanSourcePort - Octet String 4:swL2IGMPMulticastVlanMemberPort - Octet String 5:swL2IGMPMulticastVlanTagMemberPort - Octet String 6:swL2IGMPMulticastVlanState - Integer 7:swL2IGMPMulticastVlanReplaceSourceIp - IP Address 8:swL2IGMPMulticastVlanRowStatus - Integer 9:swL2IGMPMulticastVlanUntagSourcePort - Octet String 10:swL2IGMPMulticastVlanRemapPriority - Integer 11:swL2IGMPMulticastVlanReplacePriority - Integer																				
Parent node	swIGMPpackage																				
First child	swL2IGMPMulticastVlanEntry																				
Description	Information about the IGMP snooping multicast VLAN table.																				