

How to use NET-SNMP – ISM

The related OID located in **swL2MgmtMIB**

Following is the related OID for DES-3200-10

```
1.3.6.1.4.1.171.11.113.1.1 DES-3200-10
```

Take DES-3200-10 for example

Step1. Create ISM VLAN test

```
# snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.63.6.2.7.8.1.2.2 s test
1.3.6.1.4.1.171.11.63.6.2.7.8.1.8.2 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 1.3.6.1.4.1.171.11.63.6.2.7.8.1.3.2 x 000000C000000000
1.3.6.1.4.1.171.11.63.6.2.7.8.1.4.2 x FFC0000000000000 1.3.6.1.4.1.171.11.63.6.2.7.8.1.6.2 i 1
1.3.6.1.4.1.171.11.63.6.2.7.8.1.7.2 a 10.90.90.150
```

Add source ports

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.63.6.2.7.8.1.3.2 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 1.3.6.1.4.1.171.11.63.6.2.7.8.1.4.2 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 1.3.6.1.4.1.171.11.63.6.2.7.8.1.6.2 i 1
```

Configure replace source IP

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.63.6.2.7.8.1.7.2 a 10.90.90.150
```

<ul style="list-style-type: none"> swL2IGMPAccessAuthPort swL2IGMPAccessAuthState swL2IGMPMulticastVlanTable <ul style="list-style-type: none"> swL2IGMPMulticastVlanEntry <ul style="list-style-type: none"> swL2IGMPMulticastVlanId swL2IGMPMulticastVlanName swL2IGMPMulticastVlanSourcePort swL2IGMPMulticastVlanMemberPort swL2IGMPMulticastVlanTagMemberPort swL2IGMPMulticastVlanState swL2IGMPMulticastVlanReplaceSourceIp swL2IGMPMulticastVlanRowStatus swL2IGMPMulticastVlanUntagSourcePort swL2IGMPMulticastVlanRemapPriority swL2IGMPMulticastVlanReplacePriority swL2IGMPMulticastVlanGroupTable <ul style="list-style-type: none"> swL2IGMPMulticastVlanGroupEntry <ul style="list-style-type: none"> swL2IGMPMulticastVlanGroupVid swL2IGMPMulticastVlanGroupFromIp swL2IGMPMulticastVlanGroupToIp swL2IGMPMulticastVlanGroupStatus swL2IGMPDylnpMultMgmt 	<table border="0"> <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.
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