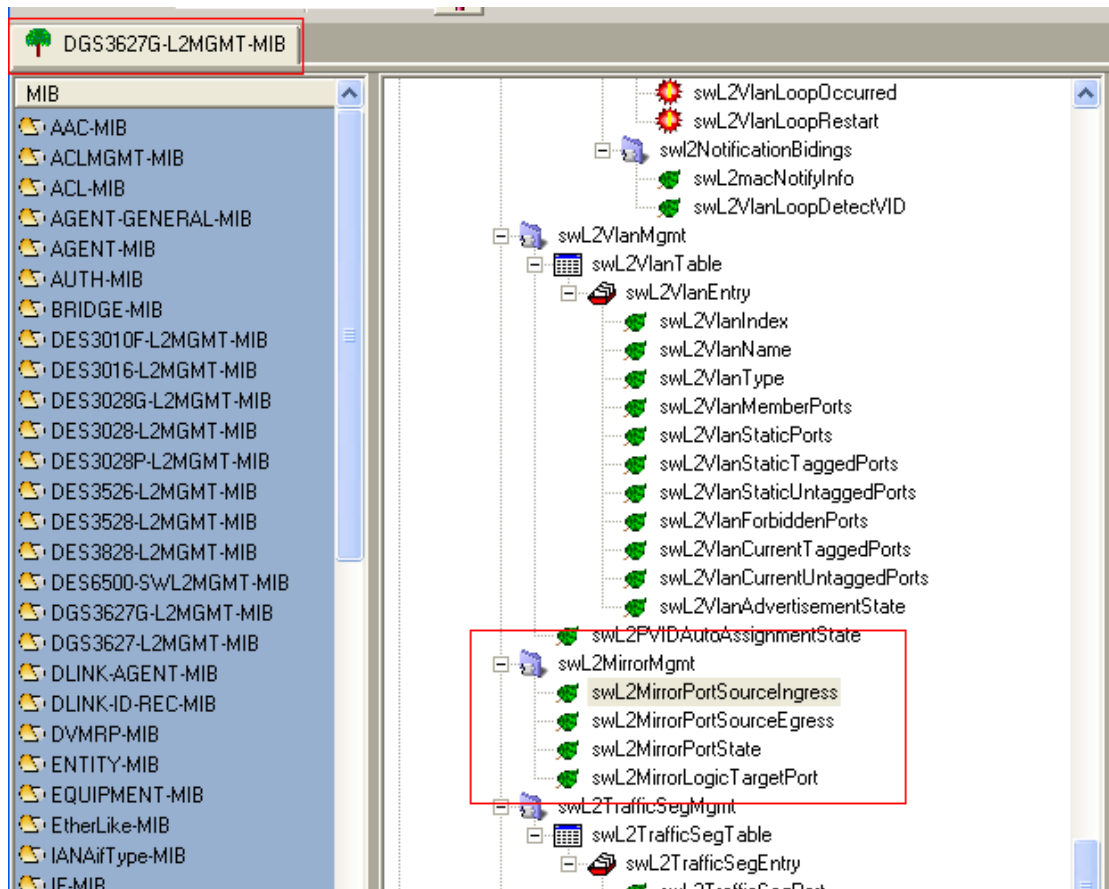


How to Set Port Mirror via SNMP



DGS-3627G L2MGMT-MIB:

Enable mirror:

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.8.2.10.4.0 i 3
```

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.8.2.10.4.0 i 3
SNMPv2-SMI::enterprises.171.11.70.8.2.10.4.0 = INTEGER: 3
```

Config mirror:

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.8.2.10.1.0 i 27
```

```
1.3.6.1.4.1.171.11.70.8.2.10.2.0 s FFFFFFFC00000000
```

```
1.3.6.1.4.1.171.11.70.8.2.10.3.0 s FFFFFFFC00000000
```

i 27--> Port 27 set up for target port

1.3.6.1.4.1.171.11.70.8.2.10.2.0 s FFFFFFFC00000000 -> Setup the all port except port 27 for ingress port

1.3.6.1.4.1.171.11.70.8.2.10.3.0 s FFFFFFFC00000000 → Setup the all port except port 27 for egress port

For the syntax of string is shown as follows:

F:1111 ->enable 4 ports in this half byte.

For example:

F	F	F	F	F	F	C	0	(must be even digit)
(1-4)	(5-8)	(9-12)	(13-16)	(17-20)	21-24	(25-26)		

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.70.8.2.10.1.0 i 27 1.3.6.1.4.1.171.11.70.8.2.10.2.0 x FFFFFFFC00000000 1.3.6.1.4.1.171.11.70.8.2.10.3.0 x FFFFFFFC00000000
SNMPv2-SMI::enterprises.171.11.70.8.2.10.1.0 = INTEGER: 27
SNMPv2-SMI::enterprises.171.11.70.8.2.10.2.0 = Hex-STRING: FF FF FF C0 00 00 00 00
SNMPv2-SMI::enterprises.171.11.70.8.2.10.3.0 = Hex-STRING: FF FF FF C0 00 00 00 00
```

swL2MirrorPortSourceIngress

Object name	swL2MirrorPortSourceIngress
Object ID	1.3.6.1.4.1.171.11.70.8.2.10.2
Module	DGS3627G-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the ingress into the source port packet t sniffed.

swL2MirrorPortSourceEgress

Object name	swL2MirrorPortSourceEgress
Object ID	1.3.6.1.4.1.171.11.70.8.2.10.3
Module	DGS3627G-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the egress from the source port packet that is sniffed.

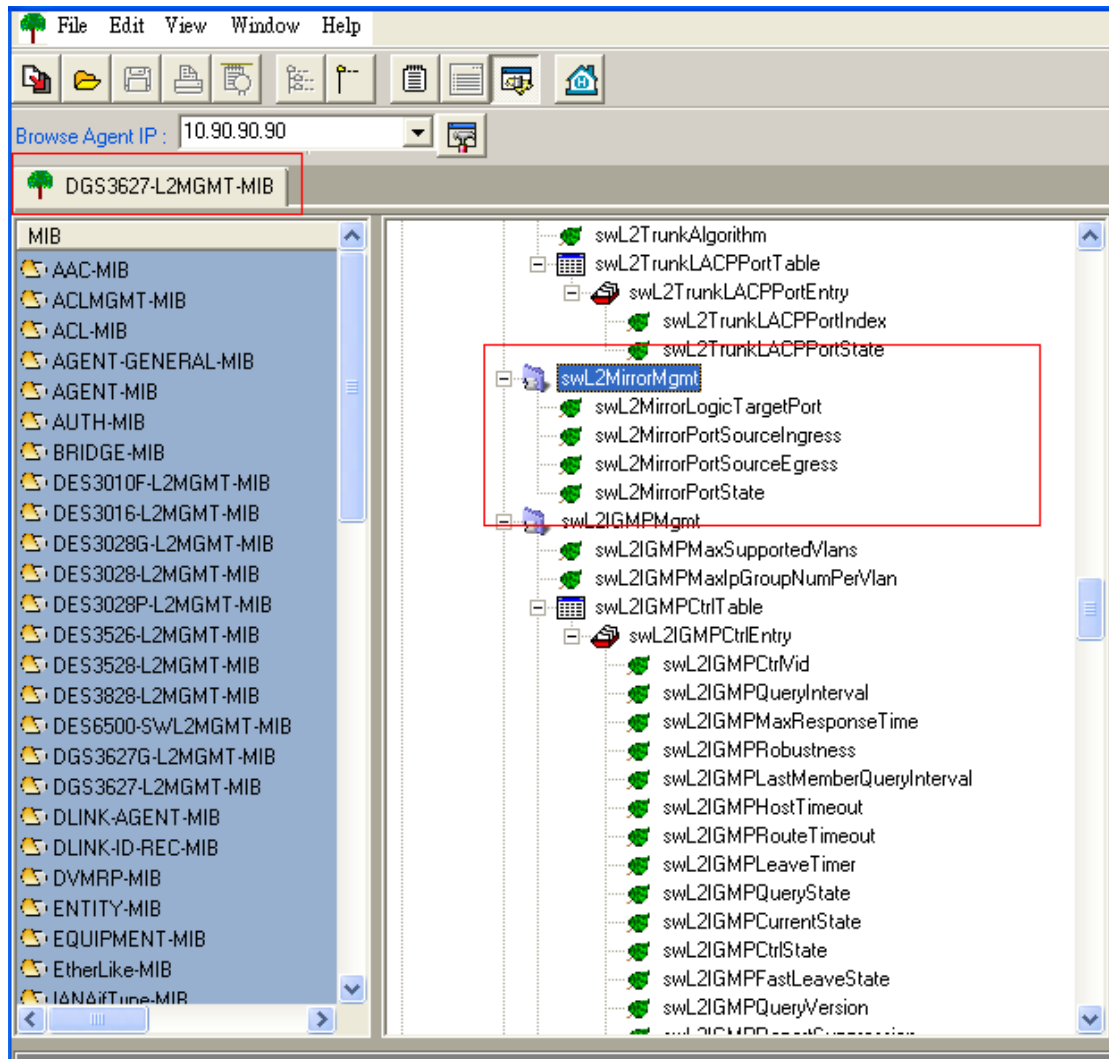
swL2MirrorPortState

Object name	swL2MirrorPortState
Object ID	1.3.6.1.4.1.171.11.70.8.2.10.4
Module	DGS3627G-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates the port mirroring state. other(1) - this entry is currently in use but the conditions under which it will remain so are different from each of the following values. disabled(2) - writing this value to the object, and then reading the corresponding entry will be removed from the table. enabled(3) - this entry is reside in the table.

swL2MirrorLogicTargetPort

Object name	swL2MirrorLogicTargetPort
Object ID	1.3.6.1.4.1.171.11.70.8.2.10.1
Module	DGS3627G-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 0..65535
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates switch which port will sniff another port. A trunk port member cannot be configured as a Snooping port. The port number is the sequential (log) number which is also applied to bridge MIB, etc.

DGS-3627



Object name	swL2MirrorLogicTargetPort
Object ID	1.3.6.1.4.1.171.11.70.6.2.10.1
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 0..65535
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates switch which port will sniff another port. A trunk port member cannot be configured as a Snooping port. The port number is the sequential (log number which is also applied to bridge MIB, etc.

Object name	swL2MirrorPortSourceIngress
Object ID	1.3.6.1.4.1.171.11.70.6.2.10.2
Module	DGS3627-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the ingress into the source port packet t sniffed.

Object name	swL2MirrorPortSourceEgress
Object ID	1.3.6.1.4.1.171.11.70.6.2.10.3
Module	DGS3627-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the egress from the source port packet t sniffed.

Object name	swL2MirrorPortState
Object ID	1.3.6.1.4.1.171.11.70.6.2.10.4
Module	DGS3627-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
Parent node	swL2MirrorMgmt
First child	None
Description	<p>This object indicates the port mirroring state.</p> <p>other(1) - this entry is currently in use but the conditions under which it will remain so are different from each following values.</p> <p>disabled(2) - writing this value to the object, and then corresponding entry will be removed from the table.</p> <p>enabled(3) - this entry is reside in the table.</p>

DGS-3650

The screenshot shows the configuration interface for the DGS-3650 switch. The left pane displays a list of MIBs, with 'DGS3650-L2MGMT-MIB' selected. The right pane shows a tree view of the configuration objects. The 'swL2MirrorMgmt' node is expanded, and the 'swL2MirrorLogicTargetPort' object is highlighted with a red box. Other objects visible in the tree include 'swL2TrunkFloodingPort', 'swL2TrunkType', 'swL2TrunkState', 'swL2TrunkActivePorts', 'swL2TrunkAlgorithm', 'swL2TrunkLACPPortTable', 'swL2TrunkLACPPortEntry', 'swL2TrunkLACPPortIndex', 'swL2TrunkLACPPortState', 'swL2IGMPMgmt', 'swL2IGMPMaxSupportedVlans', 'swL2IGMPMaxIpgGroupNumPerVlan', 'swL2IGMPCtrlTable', 'swL2IGMPCtrlEntry', 'swL2IGMPCtrlVid', 'swL2IGMPQueryInterval', 'swL2IGMPMaxResponseTime', 'swL2IGMPRobustness', 'swL2IGMPLastMemberQueryInterval', 'swL2IGMPHostTimeout', 'swL2IGMPRouteTimeout', 'swL2IGMPLeaveTimer', and 'swL2IGMPQueryState'.

Object name	swL2MirrorLogicTargetPort
Object ID	1.3.6.1.4.1.171.11.70.5.2.10.1
Module	DGS3650-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 0..65535
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates switch which port will sniff another port. A trunk port member cannot be configured as a Snooping port. The port number is the sequential (log number which is also applied to bridge MIB, etc).

Object name	swL2MirrorPortSourceIngress
Object ID	1.3.6.1.4.1.171.11.70.5.2.10.2
Module	DGS3650-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the ingress into the source port packet t sniffed.

Object name	swL2MirrorPortSourceEgress
Object ID	1.3.6.1.4.1.171.11.70.5.2.10.3
Module	DGS3650-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the egress from the source port packet t sniffed.

Object name	swL2MirrorPortState
Object ID	1.3.6.1.4.1.171.11.70.5.2.10.4
Module	DGS3650-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates the port mirroring state. other(1) - this entry is currently in use but the conditions under which it will remain so are different from each following values. disabled(2) - writing this value to the object, and then corresponding entry will be removed from the table. enabled(3) - this entry is reside in the table.

DGS-3612G

The screenshot displays the MIB tree for DGS3612G-L2MGMT-MIB. The left pane lists various MIB modules, including AAC-MIB, ACLMGMT-MIB, and DGS3612G-L2MGMT-MIB. The right pane shows the expanded tree structure, with 'swL2MirrorMgmt' selected and its children, including 'swL2MirrorLogicTargetPort', visible. A red box highlights the 'swL2MirrorMgmt' subtree.

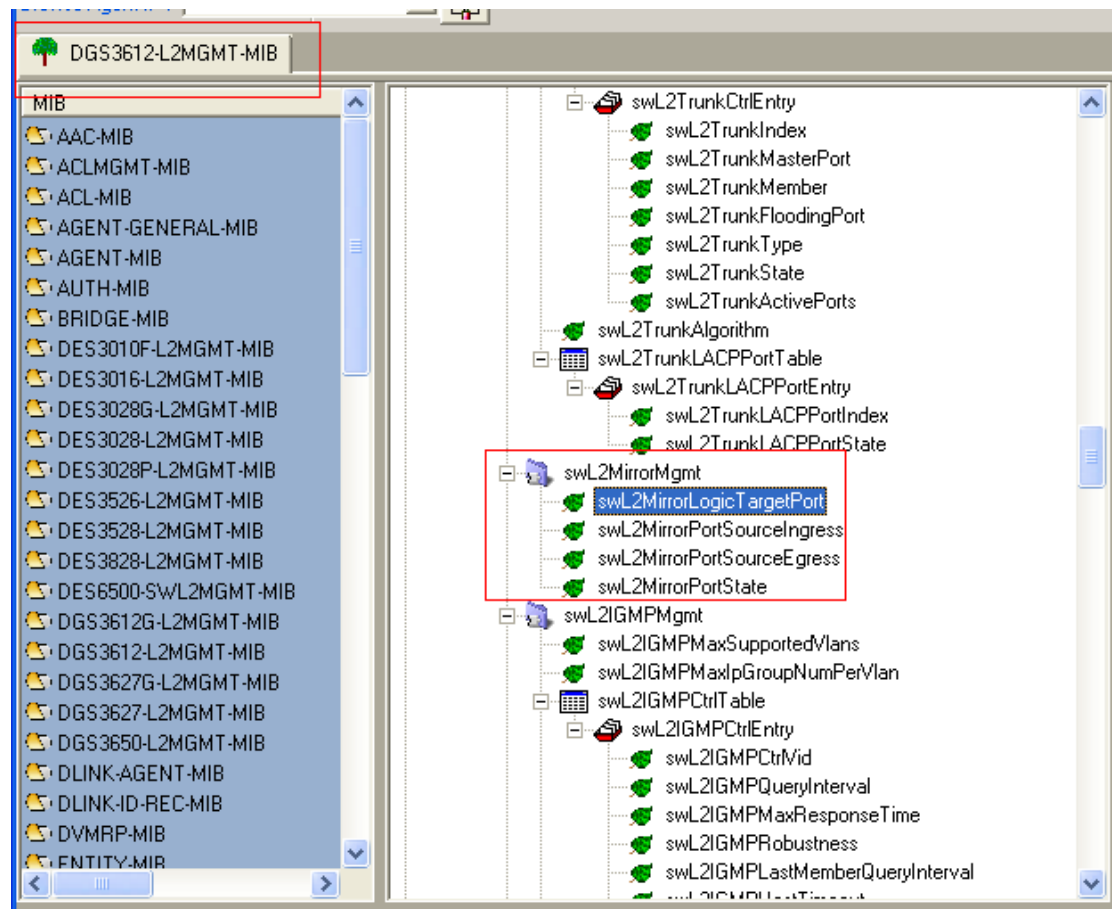
Object name	swL2MirrorLogicTargetPort
Object ID	1.3.6.1.4.1.171.11.70.9.2.10.1
Module	DGS3612G-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 0..65535
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates switch which port will sniff another port. A trunk port member cannot be configured as a Snooping port. The port number is the sequential (log number which is also applied to bridge MIB, etc.

Object name	swL2MirrorPortSourceIngress
Object ID	1.3.6.1.4.1.171.11.70.9.2.10.2
Module	DGS3612G-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the ingress into the source port packet t sniffed.

Object name	swL2MirrorPortSourceEgress
Object ID	1.3.6.1.4.1.171.11.70.9.2.10.3
Module	DGS3612G-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the egress from the source port packet t sniffed.

Object name	swL2MirrorPortState
Object ID	1.3.6.1.4.1.171.11.70.9.2.10.4
Module	DGS3612G-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates the port mirroring state. other(1) - this entry is currently in use but the conditions under which it will remain so are different from each following values. disabled(2) - writing this value to the object, and then corresponding entry will be removed from the table. enabled(3) - this entry is reside in the table.

DGS-3612:



Object name	swL2MirrorLogicTargetPort
Object ID	1.3.6.1.4.1.171.11.70.10.2.10.1
Module	DGS3612-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : 0..65535
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates switch which port. A trunk port member cannot be a Snooping port. The port number is the number which is also applied to bridge

Object name	swL2MirrorPortSourceIngress
Object ID	1.3.6.1.4.1.171.11.70.10.2.10.2
Module	DGS3612-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the ingress into the source port packet t sniffed.

Object name	swL2MirrorPortSourceEgress
Object ID	1.3.6.1.4.1.171.11.70.10.2.10.3
Module	DGS3612-L2MGMT-MIB
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Write
Status	Current
Value list	1 : 0..127
Parent node	swL2MirrorMgmt
First child	None
Description	The represent the egress from the source port packet that is sniffed.

Object name	swL2MirrorPortState
Object ID	1.3.6.1.4.1.171.11.70.10.2.10.4
Module	DGS3612-L2MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : other(1) 2 : disabled(2) 3 : enabled(3)
Parent node	swL2MirrorMgmt
First child	None
Description	This object indicates the port mirroring state. other(1) - this entry is currently in use but the conditions under which it will remain so are different from each of the following values. disabled(2) - writing this value to the object, and then reading the corresponding entry will be removed from the table. enabled(3) - this entry is reside in the table.