

How to create static link aggregation port with SNMP command on DGS-3450 v2.62B28 or later

1. Create static link aggregation port, whose member ports are port 1-2, master port is port 1.

```
$snmpset -c private -v 2c 192.168.1.24
1.3.6.1.4.1.171.11.70.3.2.9.3.1.3.1 i 1
1.3.6.1.4.1.171.11.70.3.2.9.3.1.4.1 x c00000000000000000
1.3.6.1.4.1.171.11.70.3.2.9.3.1.6.1 i 2
1.3.6.1.4.1.171.11.70.3.2.9.3.1.7.1 i 4
```

2. Active the above link aggregation setting.

```
$ snmpset -c private -v 2c 192.168.1.24
1.3.6.1.4.1.171.11.70.3.2.9.3.1.7.1 i 1
```

3. Set link aggregation algorithm to ip_source_dest.

```
$snmpset -c private -v 2c 192.168.1.24 1.3.6.1.4.1.171.11.70.3.2.9.4.0
i 7
```

Please refer the following the description for each OID's meaning

OID for link aggregation

The image shows two screenshots of a network management tool's configuration tree and details pane. The top screenshot shows the configuration tree with 'swL2TrunkCtrlTable' selected, and the details pane shows its properties. The bottom screenshot shows the configuration tree with 'swL2TrunkCtrlEntry' selected, and the details pane shows its properties.

Object name	Object ID	Module	Base syntax	Access	Status	Sequence	Parent node	First child	Description
swL2TrunkCtrlTable	1.3.6.1.4.1.171.11.70.3.2.9.3	DGS3450-L2MGMT-MIB	Sequence of swL2TrunkCtrlEntry	Not_Accessible	Current	1:swL2TrunkIndex - Integer 2:swL2TrunkName - Octet String 3:swL2TrunkMasterPort - Integer 4:swL2TrunkMember - Octet String 5:swL2TrunkFloodingPort - Integer 6:swL2TrunkType - Integer 7:swL2TrunkState - Integer 8:swL2TrunkActivePorts - Octet String	swL2TrunkMgmt	swL2TrunkCtrlEntry	This table specifies which ports group a set of ports(up to 8) into a single logical link.
swL2TrunkCtrlEntry	1.3.6.1.4.1.171.11.70.3.2.9.3.1	DGS3450-L2MGMT-MIB	Sequence	Not_Accessible	Current	1.swL2TrunkIndex	swL2TrunkCtrlTable	swL2TrunkIndex	A list of information specifies which ports group a set of ports(up to 8) into a single logical link.

	Object name swL2TrunkIndex Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1.1 Module DGS3450-L2MGMT-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 0..65535
Parent node swL2TrunkCtrlEntry First child None Description The index of logical port trunk. The trunk group number depend on the existence of unit and module.	

	Object name swL2TrunkName Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1.2 Module DGS3450-L2MGMT-MIB
	Base syntax Octet String Composed syntax DisplayString Access Read-Create Status Current Value list 1 : 0..127
Parent node swL2TrunkCtrlEntry First child None Description The name of logical port trunk.	

	Object name swL2TrunkMasterPort Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1.3 Module DGS3450-L2MGMT-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Create Status Current Value list 1 : 1..65535
Parent node swL2TrunkCtrlEntry First child None Description The object indicates the master port number of the port trunk entry. When using Port Trunk, you can not configure the other ports of the group except the master port. Their configuration must be same as the master port (e.g. speed, duplex, enabled/disabled, flow control, and so on).	

	Object name swL2TrunkMember Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1.4 Module DGS3450-L2MGMT-MIB
	Base syntax Octet String Composed syntax PortList Access Read-Create Status Current Value list 1 : 0..127
Parent node swL2TrunkCtrlEntry First child None Description Indicate how many number of ports is included in this Trunk. The trunk port number depend on the existence of module. The maximum number of ports is 8 for one trunks.	

	Object name swL2TrunkFloodingPort Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1.5 Module DGS3450-L2MGMT-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 1..65535
Parent node swL2TrunkCtrlEntry First child None Description The object indicates the flooding port number of the port trunk entry. The first port of the trunk is implicitly configured to be the flooding port.	

	Object name swL2TrunkType Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1.6 Module DGS3450-L2MGMT-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Create Status Current Value list 1 : other(1) 2 : static(2) 3 : lacp(3)
Parent node swL2TrunkCtrlEntry First child None Description This object indicated that type of the trunk group. static : is static trunk group lacp : is LACP trunk group .	

	Object name	swL2TrunkState
	Object ID	1.3.6.1.4.1.171.11.70.3.2.9.3.1.7
	Module	DGS3450-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	RowStatus
	Access	Read-Create
	Status	Current
	Value list	1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)
	Parent node	swL2TrunkCtrlEntry
	Description	This object indicates the status of this entry.

	Object name	swL2TrunkActivePorts
	Object ID	1.3.6.1.4.1.171.11.70.3.2.9.3.1.8
	Module	DGS3450-L2MGMT-MIB
	Base syntax	Octet String
	Composed syntax	PortList
	Access	Read-Only
	Status	Current
	Value list	1 : 0..127
	Parent node	swL2TrunkCtrlEntry
	Description	The object indicates the active ports of the port trunk entry.

	Object name	swL2TrunkAlgorithm
	Object ID	1.3.6.1.4.1.171.11.70.3.2.9.4
	Module	DGS3450-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : other(1) 2 : mac-source(2) 3 : mac-destination(3) 4 : mac-source-dest(4) 5 : ip-source(5) 6 : ip-destination(6) 7 : ip-source-dest(7)
	Parent node	swL2TrunkMgmt
	Description	This object configures to part of the packet examined by the switch when selecting the egress port for transmitting load-sharing data.