

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 c0000000000000000  
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.

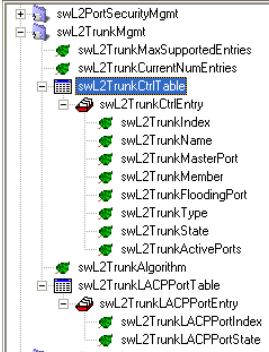
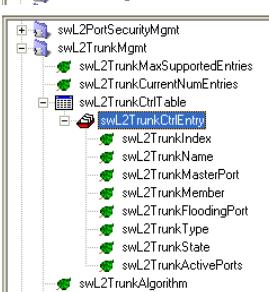
```
$ snmpset -c private -v 2c 192.168.1.24  
1.3.6.1.4.1.171.11.70.3.2.9.3.1.7.1 i 1
```

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

	<p>Object name: swL2TrunkCtrlTable Object ID: 1.3.6.1.4.1.171.11.70.3.2.9.3.1 Module: DGS3450-L2MGMT-MIB</p> <p>Base syntax: Sequence Access: Not_Accessible Status: Current Index: 1.swL2TrunkIndex</p> <p>Parent node: swL2TrunkMgmt First child: swL2TrunkCtrlEntry Description: A list of information specifies which ports group a set of ports(up to 8) into a single logical link.</p>
	

<ul style="list-style-type: none"> <li>+ swl2PortSecurityMgmt</li> <li>- swl2TrunkMgmt           <ul style="list-style-type: none"> <li>- swl2TrunkMaxSupportedEntries</li> <li>- swl2TrunkCurrentNumEntries</li> <li>- swl2TrunkCtrlTable               <ul style="list-style-type: none"> <li>- swl2TrunkCtrlEntry                   <ul style="list-style-type: none"> <li>- swl2TrunkIndex</li> <li>- swl2TrunkName</li> <li>- swl2TrunkMasterPort</li> <li>- swl2TrunkMember</li> <li>- swl2TrunkFloodingPort</li> <li>- swl2TrunkType</li> <li>- swl2TrunkState</li> <li>- swl2TrunkActivePorts</li> <li>- swl2TrunkAlgorithm</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Object name</td><td>swl2TrunkIndex</td></tr> <tr> <td>Object ID</td><td>1.3.6.1.4.1.171.11.70.3.2.9.3.1.1</td></tr> <tr> <td>Module</td><td>DGS3450-L2MGMT-MIB</td></tr> <tr> <td>Base syntax</td><td>Integer</td></tr> <tr> <td>Composed syntax</td><td>INTEGER</td></tr> <tr> <td>Access</td><td>Read-Only</td></tr> <tr> <td>Status</td><td>Current</td></tr> <tr> <td>Value list</td><td>1 : 0..65535</td></tr> <tr> <td>Parent node</td><td>swl2TrunkCtrlEntry</td></tr> <tr> <td>First child</td><td>None</td></tr> <tr> <td>Description</td><td>The index of logical port trunk. The trunk group number depend on the existence of unit and module.</td></tr> </table>	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	swl2TrunkIndex																						
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Object name	swl2TrunkName																						
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Object name	swl2TrunkMasterPort																						
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Module	DGS3450-L2MGMT-MIB																						
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First child	None																						
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<ul style="list-style-type: none"> <li>+ swl2PortSecurityMgmt</li> <li>- swl2TrunkMgmt           <ul style="list-style-type: none"> <li>- swl2TrunkMaxSupportedEntries</li> <li>- swl2TrunkCurrentNumEntries</li> <li>- swl2TrunkCtrlTable               <ul style="list-style-type: none"> <li>- swl2TrunkCtrlEntry                   <ul style="list-style-type: none"> <li>- swl2TrunkIndex</li> <li>- swl2TrunkName</li> <li>- swl2TrunkMasterPort</li> <li>- swl2TrunkMember</li> <li>- swl2TrunkFloodingPort</li> <li>- swl2TrunkType</li> <li>- swl2TrunkState</li> <li>- swl2TrunkActivePorts</li> <li>- swl2TrunkAlgorithm</li> </ul> </li> </ul> </li> </ul> </li> </ul>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Object name</td><td>swl2TrunkMember</td></tr> <tr> <td>Object ID</td><td>1.3.6.1.4.1.171.11.70.3.2.9.3.1.4</td></tr> <tr> <td>Module</td><td>DGS3450-L2MGMT-MIB</td></tr> <tr> <td>Base syntax</td><td>Octet String</td></tr> <tr> <td>Composed syntax</td><td>PortList</td></tr> <tr> <td>Access</td><td>Read-Create</td></tr> <tr> <td>Status</td><td>Current</td></tr> <tr> <td>Value list</td><td>1 : 0..127</td></tr> <tr> <td>Parent node</td><td>swl2TrunkCtrlEntry</td></tr> <tr> <td>First child</td><td>None</td></tr> <tr> <td>Description</td><td>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.</td></tr> </table>	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.
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Object name	swl2TrunkFloodingPort																						
Object ID	1.3.6.1.4.1.171.11.70.3.2.9.3.1.5																						
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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	<pre> 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) </pre>																						
Parent node	swL2TrunkMgmt																						
First child	None																						
Description	This object configures to part of the packet examined by the switch when selecting the egress port for transmitting load-sharing data.																						