

How to create dynamic 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 3  
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 lacp mode of port 1, 2 to active.

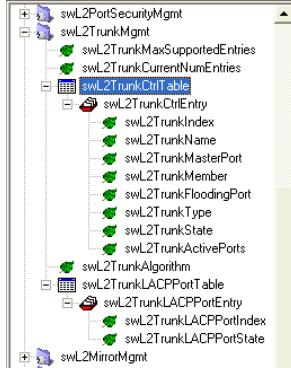
```
$snmpset -c private -v 2c 192.168.1.24  
1.3.6.1.4.1.171.11.70.3.2.9.5.1.2.1 i 1  
1.3.6.1.4.1.171.11.70.3.2.9.5.1.2.2 i 1
```

4. 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 Module: DGS3450-L2MGMT-MIB</p> <p>Base syntax: Sequence Of swL2TrunkCtrlEntry Access: Not_Accessible Status: Current Sequence: 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</p> <p>Parent node: swL2TrunkMgmt First child: swL2TrunkCtrlEntry Description: This table specifies which ports group a set of ports(up to 8) into a single logical link.</p>
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<ul style="list-style-type: none"> + swL2PortSecurityMgmt - swL2TrunkMgmt <ul style="list-style-type: none"> swL2TrunkMaxSupportedEntries swL2TrunkCurrentNumEntries - swL2TrunkCtrlTable <ul style="list-style-type: none"> - swL2TrunkCtrlEntry <ul style="list-style-type: none"> swL2TrunkIndex swL2TrunkName swL2TrunkMasterPort swL2TrunkMember swL2TrunkFloodingPort swL2TrunkType swL2TrunkState swL2TrunkActivePorts swL2TrunkAlgorithm 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> Object name swL2TrunkCtrlEntry Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1 Module DGS3450-L2MGMT-MIB </td><td style="padding: 5px;"> Base syntax Sequence Access Not_Accessible Status Current Index 1.swL2TrunkIndex </td><td style="padding: 5px;"> Parent node swL2TrunkCtrlTable First child Description A list of information specifies which ports group a set of ports(up to 8) into a single logical link. </td></tr> </table>	Object name swL2TrunkCtrlEntry Object ID 1.3.6.1.4.1.171.11.70.3.2.9.3.1 Module DGS3450-L2MGMT-MIB	Base syntax Sequence Access Not_Accessible Status Current Index 1.swL2TrunkIndex	Parent node swL2TrunkCtrlTable First child Description A list of information specifies which ports group a set of ports(up to 8) into a single logical link.
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Description	A list of information specifies which ports group a set of ports(up to 8) into a single logical link.																						

<ul style="list-style-type: none"> swL2TrunkIndex swL2TrunkName swL2TrunkMasterPort swL2TrunkMember swL2TrunkFloodingPort swL2TrunkType swL2TrunkState swL2TrunkActivePorts swL2TrunkAlgorithm swL2TrunkLACPPortTable <ul style="list-style-type: none"> swL2TrunkLACPPortEntry <ul style="list-style-type: none"> swL2TrunkLACPPortIndex swL2TrunkLACPPortState swL2MirrorMgmt 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Object name</td><td style="padding: 2px;">swL2TrunkLACPPortIndex</td></tr> <tr> <td style="padding: 2px;">Object ID</td><td style="padding: 2px;">1.3.6.1.4.1.171.11.70.3.2.9.5.1.1</td></tr> <tr> <td style="padding: 2px;">Module</td><td style="padding: 2px;">DGS3450-L2MGMT-MIB</td></tr> <tr> <td style="padding: 2px;">Base syntax</td><td style="padding: 2px;">Integer</td></tr> <tr> <td style="padding: 2px;">Composed syntax</td><td style="padding: 2px;">INTEGER</td></tr> <tr> <td style="padding: 2px;">Access</td><td style="padding: 2px;">Read-Only</td></tr> <tr> <td style="padding: 2px;">Status</td><td style="padding: 2px;">Current</td></tr> <tr> <td style="padding: 2px;">Value list</td><td style="padding: 2px;">1 : active(1) 2 : passive(2)</td></tr> <tr> <td style="padding: 2px;">Parent node</td><td style="padding: 2px;">swL2TrunkLACPPortEntry</td></tr> <tr> <td style="padding: 2px;">First child</td><td style="padding: 2px;">None</td></tr> <tr> <td style="padding: 2px;">Description</td><td style="padding: 2px;">The index of logical port lacp.</td></tr> </table>	Object name	swL2TrunkLACPPortIndex	Object ID	1.3.6.1.4.1.171.11.70.3.2.9.5.1.1	Module	DGS3450-L2MGMT-MIB	Base syntax	Integer	Composed syntax	INTEGER	Access	Read-Only	Status	Current	Value list	1 : active(1) 2 : passive(2)	Parent node	swL2TrunkLACPPortEntry	First child	None	Description	The index of logical port lacp.
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