

How to use NET-SNMP - Cable Diagnostic

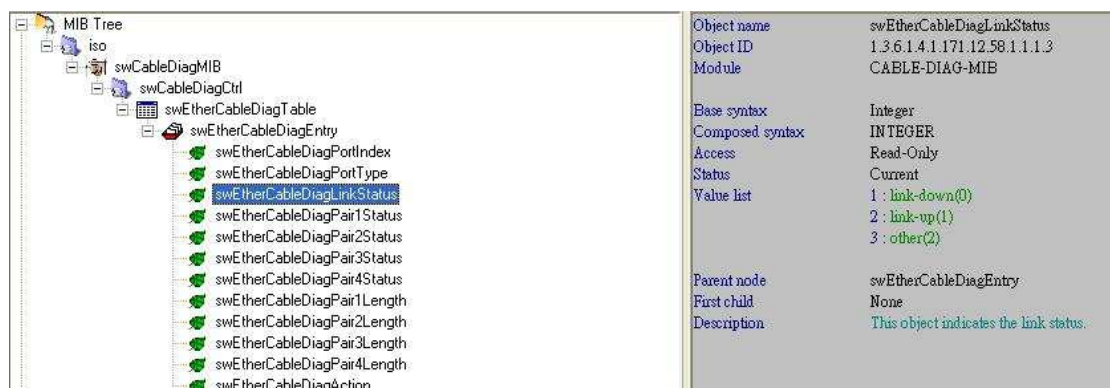
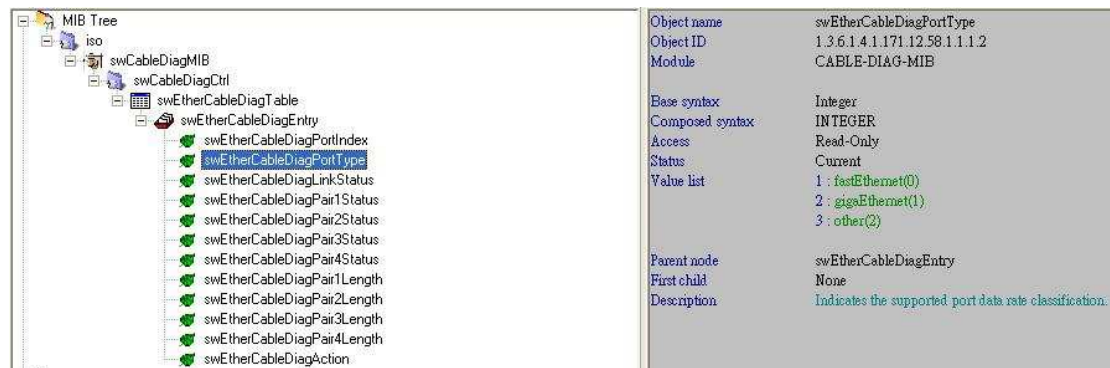
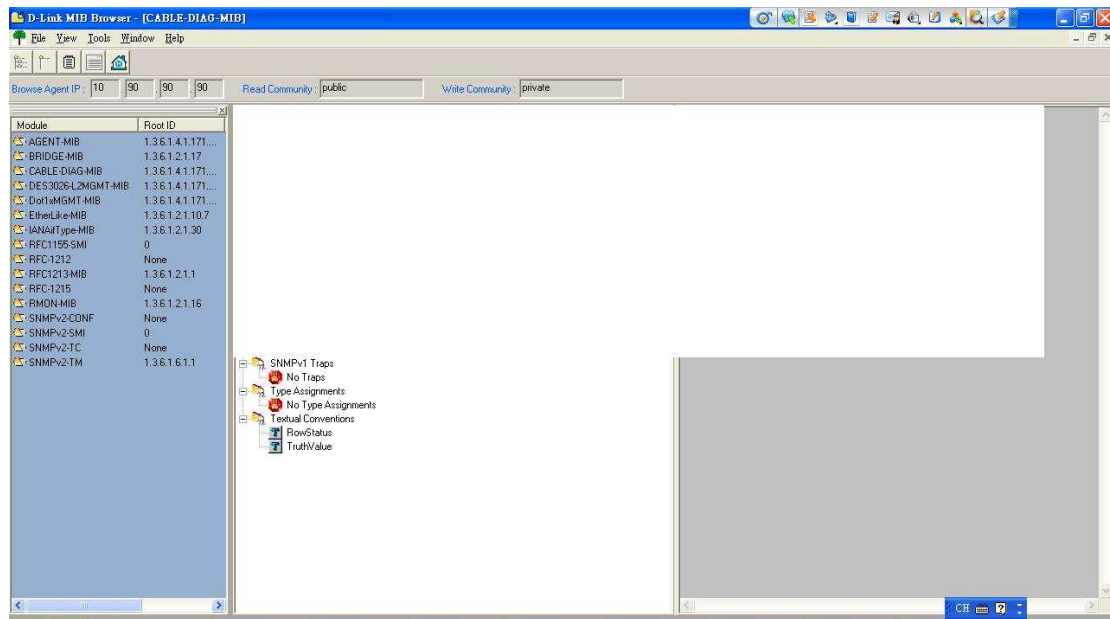
Cable Diagnostic Diag Action

```
# snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.58.1.1.1.12.1 i 1
```

1 → Port Number

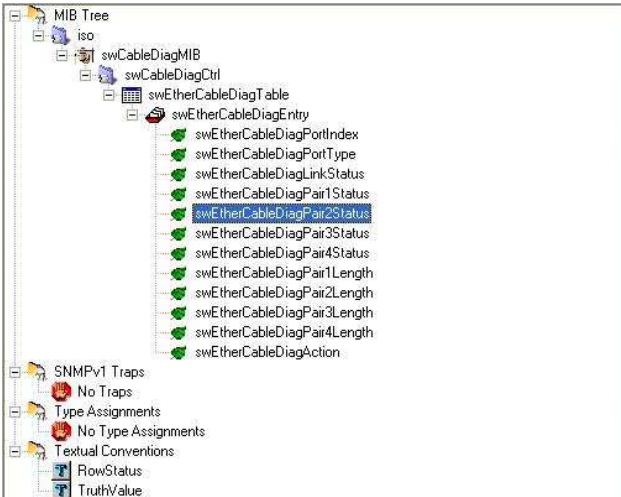
1 → Action

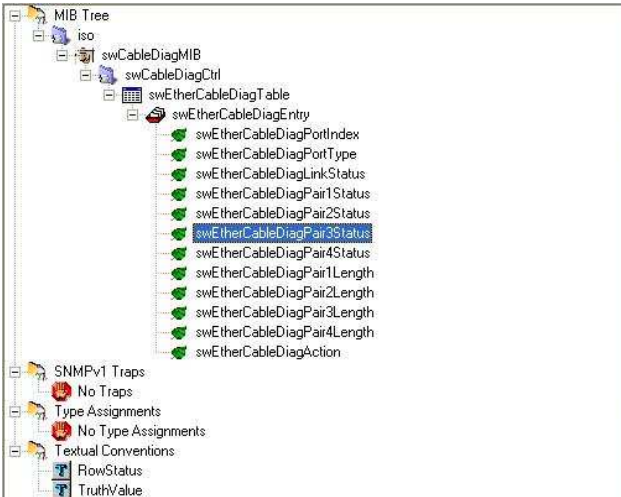
OID for cable diagnostic



D-Link Switch: DES-3526

	Object name swEtherCableDiagPair1Status Object ID 1.3.6.1.4.1.171.12.58.1.1.1.4 Module CABLE-DIAG-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : ok(0) 2 : open(1) 3 : short(2) 4 : open-short(3) 5 : crosstalk(4) 6 : unknown(5) 7 : count(6) 8 : no-cable(7) 9 : other(8)
Parent node swEtherCableDiagEntry First child None Description This object indicates the status of pair 1 of the cable.	

	Object name swEtherCableDiagPair2Status Object ID 1.3.6.1.4.1.171.12.58.1.1.1.5 Module CABLE-DIAG-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : ok(0) 2 : open(1) 3 : short(2) 4 : open-short(3) 5 : crosstalk(4) 6 : unknown(5) 7 : count(6) 8 : no-cable(7) 9 : other(8)
Parent node swEtherCableDiagEntry First child None Description This object indicates the status of pair 2 of the cable.	

	Object name swEtherCableDiagPair3Status Object ID 1.3.6.1.4.1.171.12.58.1.1.1.6 Module CABLE-DIAG-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : ok(0) 2 : open(1) 3 : short(2) 4 : open-short(3) 5 : crosstalk(4) 6 : unknown(5) 7 : count(6) 8 : no-cable(7) 9 : other(8)
Parent node swEtherCableDiagEntry First child None Description This object indicates the status of pair 3 of the cable.	

D-Link Switch: DES-3526

	<table border="1"> <tr><td>Object name</td><td>swEtherCableDiagPair4Status</td></tr> <tr><td>Object ID</td><td>1.3.6.1.4.1.171.12.58.1.1.1.7</td></tr> <tr><td>Module</td><td>CABLE-DIAG-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 : ok(0) 2 : open(1) 3 : short(2) 4 : open-short(3) 5 : crosstalk(4) 6 : unknown(5) 7 : count(6) 8 : no-cable(7) 9 : other(8)</td></tr> <tr><td>Parent node</td><td>swEtherCableDiagEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>This object indicates the status of pair 4 of the cable.</td></tr> </table>	Object name	swEtherCableDiagPair4Status	Object ID	1.3.6.1.4.1.171.12.58.1.1.1.7	Module	CABLE-DIAG-MIB	Base syntax	Integer	Composed syntax	INTEGER	Access	Read-Only	Status	Current	Value list	1 : ok(0) 2 : open(1) 3 : short(2) 4 : open-short(3) 5 : crosstalk(4) 6 : unknown(5) 7 : count(6) 8 : no-cable(7) 9 : other(8)	Parent node	swEtherCableDiagEntry	First child	None	Description	This object indicates the status of pair 4 of the cable.
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D-Link Switch: DES-3526

	Object name swEtherCableDiagPair4Length Object ID 1.3.6.1.4.1.171.12.58.1.1.11 Module CABLE-DIAG-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Parent node swEtherCableDiagEntry First child None Description This object indicates the approx. length or length to the failure of pair 4 of the cable. This value is in meter units.

	Object name swEtherCableDiagAction Object ID 1.3.6.1.4.1.171.12.58.1.1.12 Module CABLE-DIAG-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current Value list 1 : action(1) 2 : processing(2) 3 : other(3) Parent node swEtherCableDiagEntry First child None Description Function to run the cable diagnostic on selected port.