

## How to create vlan via SNMP on DES-1210-28 B1

### Example:

To create tagged (VLAN ID=2, VLAN name=test) member port on the port1 and untagged member port on port2-4

VID	VLAN Name	Untagged	Tagged	Delete
1		05-28	01-04	<input type="button" value="Delete"/>
2	test	01	02-04	<input type="button" value="Delete"/>

### Create VLAN

To create VLAN ID 2, 2 is meaning VLAN ID 2

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.5.2 i 5
```

Object name	dot1qVlanRowStatus
Object ID	1.3.6.1.4.1.171.10.75.5.2.7.6.1.5
Module	DES-1210-28_BX
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	dot1qVlanEntry
First child	None
Description	The status of a row in dot1qVlanTable. By setting this object, new entries can be created in dot1qVlanTable and existing entries can be removed from dot1qVlanTable. It can be used as specified in the SNMP v2 standard.

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.5.2 i 5
SNMPv2-SMI::enterprises.171.10.75.5.2.7.6.1.5.2 = INTEGER: 5
```

Create VLAN name

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.1.2 s test
```

Object name	dot1qVlanName
Object ID	1.3.6.1.4.1.171.10.75.5.2.7.6.1.1
Module	DES-1210-28_BX
Base syntax	Octet String
Composed syntax	SnmpAdminString
Access	Read-Create
Status	Current
Value list	1 : 0..20
Parent node	dot1qVlanEntry
First child	None
Description	An administratively assigned string, which may be used to identify the VLAN.

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.1.2 s test
SNMPv2-SMI::enterprises.171.10.75.5.2.7.6.1.1.2 = STRING: "test"
```

Take port1-4 to tagged member port on vlan1

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.2.1 x
0xOFFFFFFFF000000000
```

```
C:\Windows\System32>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.4.1 x 0xOFFFFFFFF000000000
SNMPv2-SMI::enterprises.171.10.75.5.2.7.6.1.4.1 = Hex-STRING: 0F FF FF F0 00 00 00 00
```

Create tagged member port(1-4) on vlan2

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.2.2 x
0xF000000000000000
```

Object name	dot1qVlanEgressPorts
Object ID	1.3.6.1.4.1.171.10.75.5.2.7.6.1.2
Module	DES-1210-28_BX
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Create
Status	Current
Parent node	dot1qVlanEntry
First child	None
Description	The set of ports which are permanently assigned to the egress list for this VLAN by management. Changes to a bit in this object affect the per-port per-VLAN Registrar control for Registration Fixed on each port. A port may not be added in this set if it is already a member of the set of ports in dot1qVlanForbiddenEgressPorts. The default value of this object is a string of zeros of appropriate length, indicating not fixed.

```
C:\Windows\System32>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.2.2 x 0xF000000000000000
SNMPv2-SMI::enterprises.171.10.75.5.2.7.6.1.2.2 = Hex-STRING: F0 00 00 00 00 00 00 00
```

Create untagged member port 1 on vlan2

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.4.2 x  
0x8000000000000000
```

Object name	dot1qVlanUntaggedPorts
Object ID	1.3.6.1.4.1.171.10.75.5.2.7.6.1.4
Module	DES-1210-28_BX
Base syntax	Octet String
Composed syntax	PortList
Access	Read-Create
Status	Current
Parent node	dot1qVlanEntry
First child	None
Description	The set of ports which should transmit egress packets for this VLAN as untagged. The default value of this object for the default VLAN (dot1qVlanIndex = 1) is a string of appropriate length including all ports. There is no specified default for other VLANs. If a device agent cannot support the set of ports being set then it will reject the set operation with an error. An example might be if a manager attempts to set more than one VLAN to be untagged on egress where the device does not support this IEEE 802.1Q option.

```
C:\Windows\System32>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.4.2 x 0x8000000000000000  
SNMPv2-SMI::enterprises.171.10.75.5.2.7.6.1.4.2 = Hex-STRING: 80 00 00 00 00 00 00 00
```

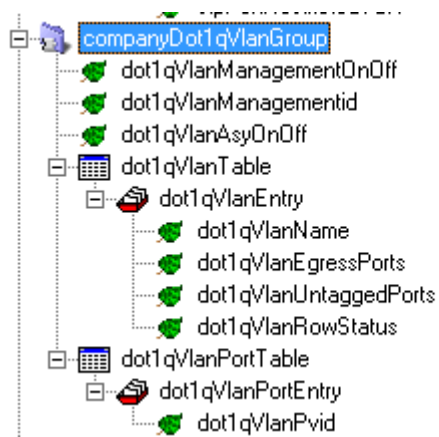
Active VLAN

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.5.2 i 1
```

Object name	dot1qVlanRowStatus
Object ID	1.3.6.1.4.1.171.10.75.5.2.7.6.1.5
Module	DES-1210-28_BX
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	dot1qVlanEntry
First child	None
Description	The status of a row in dot1qVlanTable. By setting this object, new entries can be created in dot1qVlanTable and existing entries can be removed from dot1qVlanTable. It can be used as specified in the SNMP v2 standard.

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.10.75.5.2.7.6.1.5.2 i 1  
SNMPv2-SMI::enterprises.171.10.75.5.2.7.6.1.5.2 = INTEGER: 1
```

## Relative OIDs



port	value	Hex
1	8	0x8000000000000000
2	4	0x4000000000000000
3	2	0x2000000000000000
4	1	0x1000000000000000
5	8	0x0800000000000000
6	4	0x0400000000000000
7	2	0x0200000000000000
8	1	0x0100000000000000

Example :

If you want to set untagged port (port1 and port2), the hex value is

**0xC000000000000000**