

How to configure GVRP via Net-SNMP (DGS-3028_52)

Example

Show PVID of ports

```
#snmpwalk -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.1
```

Configure PVID of port

Configure port 1 PVID as 1024

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.1.1 u 1024  
1.3.6.1.2.1.17.7.1.4.5.1.1.1 ----- port number ( port 1 )
```

Configure port 10 PVID as 512

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.1.10 u 512  
1.3.6.1.2.1.17.7.1.4.5.1.1.10 ----- port number ( port 10 )
```

Enable GVRP on port 10

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.4.10 i 1
```

Disable GVRP on port 10

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.4.10 i 2
```

Enable ingress_checking on port 10

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.3.10 i 1
```

Disable ingress_checking on port 10

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.3.10 i 2
```

Configure port 10 acceptable_frame as tagged_only

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.2.10 i 2
```

Configure port 10 acceptable_frame as admit_all

```
#snmpset -c private -v 2c 10.90.90.90 1.3.6.1.2.1.17.7.1.4.5.1.2.10 i 1
```

Related VID of GVRP

	<p>Object name dot1qPortVlanTable</p> <p>Object ID 1.3.6.1.2.1.17.7.1.4.5</p> <p>Module Q-BRIDGE-MIB</p> <p>Base syntax Sequence Of dot1qPortVlanEntry</p> <p>Access Not_Accessible</p> <p>Status Mandatory</p> <p>Sequence 1:dot1qPvid - Gauge 2:dot1qPortAcceptableFrameTypes - Integer 3:dot1qPortIngressFiltering - Integer 4:dot1qPortGvrpStatus - Integer 5:dot1qPortGvrpFailedRegistrations - Counter 6:dot1qPortGvrpLastPduOrigin - Octet String</p> <p>Parent node dot1qVlan</p> <p>First child dot1qPortVlanEntry</p> <p>Description A table containing per port control and status information for VLAN configuration in the device.</p>
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	<p>Object name dot1qPortVlanEntry</p> <p>Object ID 1.3.6.1.2.1.17.7.1.4.5.1</p> <p>Module Q-BRIDGE-MIB</p> <p>Base syntax Sequence</p> <p>Access Not_Accessible</p> <p>Status Mandatory</p> <p>Index 1.dot1dBasePort</p> <p>Parent node dot1qPortVlanTable</p> <p>First child dot1qPvid</p> <p>Description Information controlling VLAN configuration for a port on the device. This is indexed by dot1dBasePort.</p>
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	<p>Object name dot1qPvid</p> <p>Object ID 1.3.6.1.2.1.17.7.1.4.5.1.1</p> <p>Module Q-BRIDGE-MIB</p> <p>Base syntax Gauge</p> <p>Composed syntax VlanIndex</p> <p>Access Read-Write</p> <p>Status Mandatory</p> <p>Parent node dot1qPortVlanEntry</p> <p>First child None</p> <p>Description The FVID, the VLAN ID assigned to untagged frames or Priority-Tagged frames received on this port.</p>
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	<p>Object name dot1qPortAcceptableFrameTypes</p> <p>Object ID 1.3.6.1.2.1.17.7.1.4.5.1.2</p> <p>Module Q-BRIDGE-MIB</p> <p>Base syntax Integer</p> <p>Composed syntax INTEGER</p> <p>Access Read-Write</p> <p>Status Mandatory</p> <p>Value list 1 : admitAll(1) 2 : admitOnlyVlanTagged(2)</p> <p>Parent node dot1qPortVlanEntry</p> <p>First child None</p> <p>Description When this is admitOnlyVlanTagged(2) the device will discard untagged frames or Priority-Tagged frames received on this port. When admitAll(1), untagged frames or Priority-Tagged frames received on this port will be accepted and assigned to the FVID for this port.</p> <p>This control does not affect VLAN independent BPDU frames, such as GVRP and STP. It does affect VLAN dependent BPDU frames, such as GMRP.</p>
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<ul style="list-style-type: none"> dot1qPortVlanTable <ul style="list-style-type: none"> dot1qPortVlanEntry <ul style="list-style-type: none"> dot1qPvid dot1qPortAcceptableFrameTypes dot1qPortIngressFiltering dot1qPortGvrpStatus dot1qPortGvrpFailedRegistrations dot1qPortGvrpLastPduOrigin dot1qPortVlanStatisticsTable <ul style="list-style-type: none"> dot1qPortVlanStatisticsEntry <ul style="list-style-type: none"> dot1qTpVlanPortInFrames dot1qTpVlanPortOutFrames dot1qTpVlanPortInDiscards dot1qTpVlanPortInOverflowFrames dot1qTpVlanPortOutOverflowFrames dot1qTpVlanPortInOverflowDiscards dot1qPortVlanHCStatisticsTable <ul style="list-style-type: none"> dot1qPortVlanHCStatisticsEntry <ul style="list-style-type: none"> dot1qTpVlanPortHCInFrames dot1qTpVlanPortHCOutFrames dot1qTpVlanPortHCInDiscards 	<table border="0"> <tr><td>Object name</td><td>dot1qPortIngressFiltering</td></tr> <tr><td>Object ID</td><td>1.3.6.1.2.1.17.7.1.4.5.1.3</td></tr> <tr><td>Module</td><td>Q-BRIDGE-MIB</td></tr> <tr><td>Base syntax</td><td>Integer</td></tr> <tr><td>Composed syntax</td><td>TruthValue</td></tr> <tr><td>Access</td><td>Read-Write</td></tr> <tr><td>Status</td><td>Mandatory</td></tr> <tr><td>Value list</td><td>1 : true(1) 2 : false(2)</td></tr> <tr><td>Parent node</td><td>dot1qPortVlanEntry</td></tr> <tr><td>First child</td><td>None</td></tr> <tr><td>Description</td><td>When this is true(1) the device will discard incoming frames for VLANs which do not include this Port in its Member set. When false(2), the port will accept all incoming frames. This control does not affect VLAN independent BPDU frames, such as GVRP and STP. It does affect VLAN dependent BPDU frames, such as GMRP.</td></tr> </table>	Object name	dot1qPortIngressFiltering	Object ID	1.3.6.1.2.1.17.7.1.4.5.1.3	Module	Q-BRIDGE-MIB	Base syntax	Integer	Composed syntax	TruthValue	Access	Read-Write	Status	Mandatory	Value list	1 : true(1) 2 : false(2)	Parent node	dot1qPortVlanEntry	First child	None	Description	When this is true(1) the device will discard incoming frames for VLANs which do not include this Port in its Member set. When false(2), the port will accept all incoming frames. This control does not affect VLAN independent BPDU frames, such as GVRP and STP. It does affect VLAN dependent BPDU frames, such as GMRP.
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Access	Read-Write																						
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