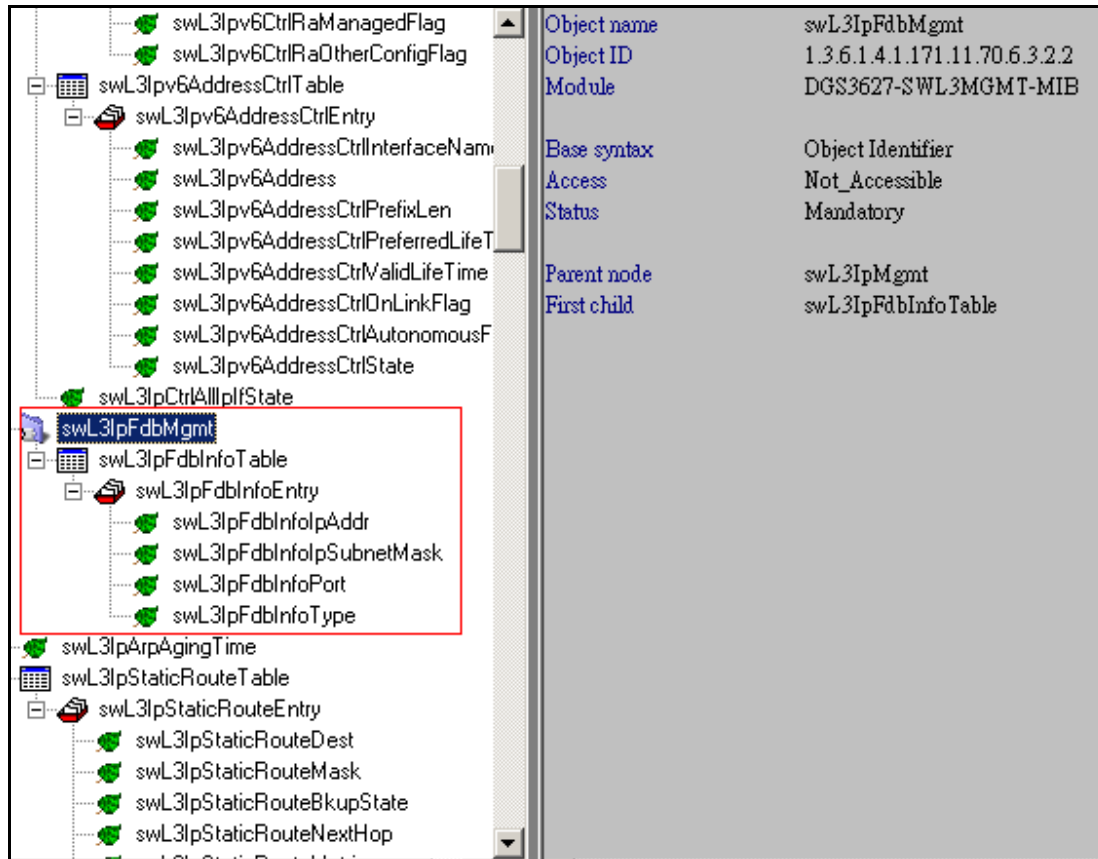


D-link Switch: DGS-3627 Firmware: R 2.4

How to show layer 3 switch IP forwarding table information with SNMP(DGS-3627)

The Location of IP forwarding Table Management OID



Object name	swL3IpFdbMgmt
Object ID	1.3.6.1.4.1.171.11.70.6.3.2.2
Module	DGS3627-SWL3MGMT-MIB
Base syntax	Object Identifier
Access	Not_Accessible
Status	Mandatory
Parent node	swL3IpMgmt
First child	swL3IpFdbInfoTable

MIB File: L3mgmtDGS3627.mib

OID: 1.3.6.1.4.1.171.11.70.6.3.2.2

L3 Switch IP Forwarding Database Information Table

Object name	swL3IpFdbInfo Table
Object ID	1.3.6.1.4.1.171.11.70.6.3.2.2.1
Module	DGS3627-SWL3MGMT-MIB
Base syntax	Sequence Of swL3IpFdbInfoEntry
Access	Not_Accessible
Status	Current
Sequence	1:swL3IpFdbInfoIpAddr - IP Address 2:swL3IpFdbInfoIpSubnetMask - IP Address 3:swL3IpFdbInfoPort - Integer 4:swL3IpFdbInfoType - Integer
Parent node	swL3IpFdbMgmt
First child	swL3IpFdbInfoEntry
Description	A table that contains forwarding and/or filtering information. This information is used by the switch in determining how to propagate the received IP packets.

Show IP Forwarding Database information Table

:: Command ::

```
snmpwalk -v2c -c public 10.90.90.90 1.3.6.1.4.1.171.11.70.6.3.2.2.1
```

L3 Switch IP Forwarding Database Information Ip Address

Object name	swL3IpFdbInfoIpAddr
Object ID	1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.1
Module	DGS3627-SWL3MGMT-MIB
Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Only
Status	Current
Parent node	swL3IpFdbInfoEntry
First child	None
Description	A IP address for which switch has forwarding and/or filtering information.

Show IP Forwarding Database information IP address

:: Command ::

```
snmpwalk -v2c -c public 10.90.90.90 1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.1
```

D-link Switch: DGS-3627 Firmware: R 2.4

L3 Switch IP Forwarding Database Information Ip Subnet Mask

Object name	swL3IpFdbInfoIpSubnetMask
Object ID	1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.2
Module	DGS3627-SWL3MGMT-MIB
Base syntax	IP Address
Composed syntax	IpAddress
Access	Read-Only
Status	Current
Parent node	swL3IpFdbInfoEntry
First child	None
Description	A IP net mask for this interface for which switch has forwarding and/or filtering information.

Show IP Forwarding Database information IP Subnet Mask

:: Command ::

```
snmpwalk -v2c -c public 10.90.90.90 1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.2
```

L3 Switch IP Forwarding Database Information Port Number

Object name	swL3IpFdbInfoPort
Object ID	1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.3
Module	DGS3627-SWL3MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 0..65535
Parent node	swL3IpFdbInfoEntry
First child	None
Description	Either the value 'U', or the port number of the port on which packet having a IP address equal to the value of the corresponding instance of swL3IpFdbInfoIpAddr has been seen. A value of 'U' indicates that the port number has not been learned but that switch does have some forwarding/filtering information about this address.

Show IP Forwarding Database information port number

:: Command ::

```
snmpwalk -v2c -c public 10.90.90.90 1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.3
```

D-link Switch: DGS-3627 Firmware: R 2.4

L3 Switch IP Forwarding Database Information Type

Object name	swL3IpFdbInfoType
Object ID	1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.4
Module	DGS3627-SWL3MGMT-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : other(1) 2 : static(2) 3 : dynamic(3)
Parent node	swL3IpFdbInfoEntry
First child	None
Description	The status of this entry.

Show IP Forwarding Database information type

:: Command ::

```
snmpwalk -v2c -c public 10.90.90.90 1.3.6.1.4.1.171.11.70.6.3.2.2.1.1.4
```