How to show FDB table, create & delete static FDB entry via NETSNMP in DGS-3100 series (FW_3.60.28_MIB)

The OIDs for configuring FDB entry are defined in "BRIDGE-MIB" (rfc-1493.mib).



dot1dTpFdbTable

dot1dTpFdbEntry



dot1dTpFdbAddress



dot1dTpFdbPort



dot1dTpFdbStatus



dot1dStaticTable



dot1dStaticEntry



dot1dStaticAddress



dot1dStaticReceivePort



dot1dStaticAllowedToGoTo



dot1dStaticStatus



[Test Scenario]

DGS-3100-24 (port 24) --- PC_MAC_00:15:f2:d1:35:07

[Show FDB]



[Command of "show fdb"]

C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.2.1.17.4.3.1 SNMPv2-SMI::mib-2.17.4.3.1.1.0.19.0.17.0.1 = Hex-STRING: 00 13 00 11 00 01 SNMPv2-SMI::mib-2.17.4.3.1.1.0.21.242.209.53.7 = Hex-STRING: 00 15 F2 D1 35 07 SNMPv2-SMI::mib-2.17.4.3.1.2.0.19.0.17.0.1 = INTEGER: 0 => means CPU ipif SNMPv2-SMI::mib-2.17.4.3.1.2.0.21.242.209.53.7 = INTEGER: 24 SNMPv2-SMI::mib-2.17.4.3.1.3.0.19.0.17.0.1 = INTEGER: 4 => self(4) SNMPv2-SMI::mib-2.17.4.3.1.3.0.21.242.209.53.7 = INTEGER: 3

MAC address : Hex-decimal 00:15:f2:d1:35:07 => Decimal 0.21.242.209.53.7 dot1dTpFdbPort : Port 24 dot1dTpFdbStatus : learned(3)

[Create & Delete Static FDB 00:00:00:00:00:02 on Port 2]

DGS- DGS-	3100# 3100# show fdb					
Unicast MAC Address Aging Time = 300				C \WINDO WS\system32\cmt.exe	- 🗆 ×	
VID	VLAN NAME	MAC Address	Port Typ	pe Microsoft Windows XP (版本 5.1.2600]		
	default default	00:13:00:11:00:01 00:15:f2:d1:35:07	CPU se 1:24 dyr	namic C: Nocuments and Settings Jason Chang>cd/		
oGS=3100# DGS=3100# DGS=3100# show fdb Unicast MAC Address Aging Time = 300				C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.2.1.17.5.1.1.1.0.0.0.0.0.2.2 x 0 00000000002 1.3.6.1.2.1.17.5.1.1.2.0.0.0.0.0.2.2 i 2 1.3.6.1.2.1.17.5.1.1.4.0.0. 0.0.0.2.2 i 3		
	VLAN NAME	MAC Address	Port Typ	SNMPv2-SMI::mib-2.17.5.1.1.1.0.0.0.0.0.2.2 = Hex-STRING: 00 00 00 00 00 02 SNMPv2-SMI::mib-2.17.5.1.1.2.0.0.0.0.0.2.2 = INTEGER: 2		
1 1 1 1	default default default	00:00:00:00:00:00:02 00:13:00:11:00:01 00:15:f2:d1:35:07	1:2 sta CPU se 1:24 dyr	 atic If namic C:∖>	•	
DGS- DGS- DGS- DGS- DGS- DGS- DGS-	3100# 3100# 3100# 3100# 3100# 3100# 3100# 3100# 3100# show fdb.	c fdb 00:00:00:00:	:00:02 on	port 2	- 🗆 X	
Unic	ast MAC Address A	ging Time = 300	and the second	C:\>snmnset -u2c -c nriuate 10.90.90.90 1.3.6.1.2.1.17.5.1.1.4.0.0.0.0.2.	2 1 2	
VID 1 1	default default	MAC Address 00:13:00:11:00:01 00:15:f2:d1:35:07	CPU se 1:24 dyr	SNMPv2-SMI::mib-2.17.5.1.1.4.0.0.0.0.0.2.2 = INTEGER: 2 namic		
DGS- DGS-	3100# delet	e static fdb 00:00:		02 6:\>_		