

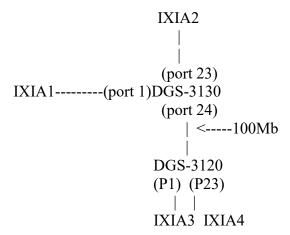
## [Scenario]

Two raffic flows are transmitted in the same queue, causing congestion.

After applying the QoS policy, two traffic flows transmit in a different queues, so it can receive more IPTV stream packets.

Please check the following,

[Topology]



## [Solution]

[Configuration] #DGS-3130 line console session-timeout 0 exit ip access-list proxy 1999 10 permit 1.1.1.0 0.0.0.255 any exit class-map match-any proxy match access-group name proxy policy-map proxy class proxy set cos 5 set dscp 46 exit exit interface ethernet 1/0/24 speed 100 exit



## [Test Steps & Results]

- 1.IXIA1, IXIA3 inject the packest with MAX. rate.
- 2.IXIA2 inject the stream to IXIA4 as attached. (Note: the MAC should be different)
- 3. Check the traffic flow.

ort	TX packets/sec	RX packets/sec	Utilization	
th1/0/1	160585	1504704	42	
th1/0/2	0	0	0	
th1/0/3	0	0	0	
th1/0/4	0	0	0	
th1/0/5	0	0	0	
th1/0/6	0	0	0	
th1/0/7	0	0	0	
th1/0/8	0	0	0	
th1/0/9	0	0	0	
th1/0/10	0	0	0	
th1/0/11	0	0	0	
th1/0/12	0	0	0	
th1/0/13	0	0	0	
th1/0/14	0	0	0	
th1/0/15	0	0	0	
th1/0/16	0	0	0	
th1/0/17	0	0	0	
th1/0/18	0	0	0	
th1/0/19	0	0	0	
th1/0/20	0	0	0	
th1/0/21	0	0	0	
th1/0/22	0	0	0	
th1/0/23	0	10374	0	
th1/0/24	154387	154380	79	
th1/0/25	0	0	0	
th1/0/26	0	0	0	
th1/0/27	0	0	0	
th1/0/28	0	0	0	
th1/0/29	0	0	0	
th1/0/30	0	0	0	

Port	TX/sec	RX/sec	Util	Port	TX/sec	RX/sec	Util
1:1	148731	1487211	55	1:21	0	0	0
1:2	0	0	0	1:22	0	0	0
L:3	0	0	0	1:23	620	0	1
L:4	0	0	0	1:24	148724	148731	100
1:5	0	0	0				
1:6	0	0	0				
L:7	0	0	0				
1:8	0	0	0				
L:9	0	0	0				
1:10	0	0	0				
:11	0	0	0				
1:12	0	0	0				
L:13	0	0	0				
L:14	0	0	0				
L:15	0	0	0				
L:16	0	0	0				
1:17	0	0	0				
:18	0	0	0				
:19	0	0	0				
1:20	0	0	0				



==>As you can see the port 23 of DGS-3120 just receive 620 packets/second.

## 4. Apply the QoS policy to port 23 of DGS-3130

Switch(config	)#interface ethern	net 1/0/23	
_	;-if)#service-polic		
Switch(confid			
Port	TX packets/sec	RX packets/sec	Utilization
eth1/0/2 eth1/0/3 eth1/0/4 eth1/0/5 eth1/0/6 eth1/0/7 eth1/0/8 eth1/0/9 eth1/0/10 eth1/0/11 eth1/0/12 eth1/0/13 eth1/0/14 eth1/0/15 eth1/0/15	000000000000000000000000000000000000000	000000000000000000000000000000000000000	00000000000000
eth1/0/17 eth1/0/18 eth1/0/19 eth1/0/20 eth1/0/21 eth1/0/22 eth1/0/23 eth1/0/24 eth1/0/25 eth1/0/26 eth1/0/27 eth1/0/28 eth1/0/29 eth1/0/30	0 0 0 0 0 0 0 151666 0 0 0	0 0 0 0 0 10191 151659 0 0 0	0 0 0 0 0 0 7 7 0 0 0 0
Total Entries	s: 30		

Port	TX/sec	RX/sec	Util	Port	TX/sec	RX/sec	Util
1:1	148289	1482787	55	1:21	0	0	0
1:2	0	0	0	1:22	0	0	0
.:3	0	0	0	1:23	9964	0	1
:4	0	0	0	1:24	148281	148289	100
L:5	0	0	0				
L:6	0	0	0				
:7	0	0	0				
.:8	0	0	0				
:9	0	0	0				
:10	0	0	0				
:11	0	0	0				
1:12	0	0	0				
:13	0	0	0				
1:14	0	0	0				
:15	0	0	0				
:16	0	0	0				
:17	0	0	0				
:18	0	0	0				
:19	0	0	0				
:20	0	0	0				



==>As you can see the port 23 of DGS-3120 received packets more.

5. Verify the wrr setting,