

## 知 S5830 QOS WRR不生效案例

QoS 程飞 2016-06-08 发表

客户配置QOS WRR队列进行拥塞管理，此配置在S5820v2上测试不同优先级用户在拥塞情况下下载速率不一致，在5830上测试下载速一样。现场Ten1/0/1口为出口，实际流量为8G左右，为了测试队列，将出口限制到7G。在相应的服务器上通过日志测试客户下载的平均速率。相同的配置在5820V2上测试完全没问题，5560ei上测试也没有问题，就5830会出现问题。

报文分两种：

低延时(min-delay报文)：

```

# Differentiated Services Field: 0x10 (DSCP: Unknown, ECN: Not-ECT)
  0001 00.. = Differentiated Services Codepoint: Unknown (4)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

```

普通报文：

```

# Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 1480

```

配置：

```
acl advanced 3333
```

```
rule 0 permit ip tos min-delay
```

```
acl advanced 3334
```

```
rule 0 permit ip
```

```
traffic classifier vip operator and
```

```
if-match acl 3333
```

```
traffic classifier normal operator and
```

```
if-match acl 3334
```

```
traffic behavior vip
```

```
remark local-precedence 5
```

```
traffic behavior normal
```

```
remark local-precedence 2
```

```
qos policy vip
```

```
classifier vip behavior vip
```

```
classifier normal behavior normal
```

```
qos apply policy vip global inbound
```

```
interface Ten-GigabitEthernet1/0/1
```

```
port link-mode route
```

```
ip address xx.xx.xx.xx
```

```
qos wrr
```

```
qos lr out cir 7000000
```

5830是v5版本，不支持在路由口下作wrr，反馈配置中Ten-GigabitEthernet1/0/1是路由口，wrr调度不生效，在用dis qos queue-statistics interface Ten-GigabitEthernet 1/0/1查看队列调度时也显示端口错误。

实验室测试：

```
[H3C-Ten-GigabitEthernet2/0/2]dis this
```

```
#
```

```
interface Ten-GigabitEthernet2/0/2
```

```
port link-mode route
```

```
#
```

```
return
```

```
[H3C-Ten-GigabitEthernet2/0/2]qui
```

```
[H3C]dis qos queue-statistics interface Ten-GigabitEthernet 2/0/2
```

```
% Wrong parameter found at '^' position.
```

```
[H3C]interface Ten-GigabitEthernet2/0/2
```

```
[H3C-Ten-GigabitEthernet2/0/2]port link-mode bridge
```

```
[H3C-Ten-GigabitEthernet2/0/2]
[H3C-Ten-GigabitEthernet2/0/2]dis this
#
interface Ten-GigabitEthernet2/0/2
port link-mode bridge
#
return
[H3C-Ten-GigabitEthernet2/0/2]qui
[H3C]dis qos queue-statistics interface Ten-GigabitEthernet 2/0/2
```

Queue 0:

```
Green accept : 0 packets, 0 bytes
Green wred drop : 0 packets, 0 bytes
Yellow accept : 0 packets, 0 bytes
Yellow wred drop : 0 packets, 0 bytes
Red accept : 0 packets, 0 bytes
Red wred drop : 0 packets, 0 bytes
Total tail drop : 0 packets, 0 bytes
Total dequeue : 0 packets, 0 bytes
```

Queue 1:

```
Green accept : 0 packets, 0 bytes
Green wred drop : 0 packets, 0 bytes
Yellow accept : 0 packets, 0 bytes
Yellow wred drop : 0 packets, 0 bytes
Red accept : 0 packets, 0 bytes
Red wred drop : 0 packets, 0 bytes
Total tail drop : 0 packets, 0 bytes
Total dequeue : 0 packets, 0 bytes
```

Queue 2:

```
Green accept : 0 packets, 0 bytes
Green wred drop : 0 packets, 0 bytes
Yellow accept : 0 packets, 0 bytes
Yellow wred drop : 0 packets, 0 bytes
Red accept : 0 packets, 0 bytes
Red wred drop : 0 packets, 0 bytes
Total tail drop : 0 packets, 0 bytes
Total dequeue : 0 packets, 0 bytes
```

Queue 3:

```
Green accept : 0 packets, 0 bytes
Green wred drop : 0 packets, 0 bytes
Yellow accept : 0 packets, 0 bytes
Yellow wred drop : 0 packets, 0 bytes
Red accept : 0 packets, 0 bytes
Red wred drop : 0 packets, 0 bytes
Total tail drop : 0 packets, 0 bytes
Total dequeue : 0 packets, 0 bytes
```

Queue 4:

```
Green accept : 0 packets, 0 bytes
Green wred drop : 0 packets, 0 bytes
Yellow accept : 0 packets, 0 bytes
Yellow wred drop : 0 packets, 0 bytes
Red accept : 0 packets, 0 bytes
Red wred drop : 0 packets, 0 bytes
Total tail drop : 0 packets, 0 bytes
Total dequeue : 0 packets, 0 bytes
```

Queue 5:

```
Green accept : 0 packets, 0 bytes
Green wred drop : 0 packets, 0 bytes
Yellow accept : 0 packets, 0 bytes
```

Yellow wred drop : 0 packets, 0 bytes  
Red accept : 0 packets, 0 bytes  
Red wred drop : 0 packets, 0 bytes  
Total tail drop : 0 packets, 0 bytes  
Total dequeue : 0 packets, 0 bytes

Queue 6:

Green accept : 0 packets, 0 bytes  
Green wred drop : 0 packets, 0 bytes  
Yellow accept : 0 packets, 0 bytes  
Yellow wred drop : 0 packets, 0 bytes  
Red accept : 0 packets, 0 bytes  
Red wred drop : 0 packets, 0 bytes  
Total tail drop : 0 packets, 0 bytes  
Total dequeue : 0 packets, 0 bytes

Queue 7:

Green accept : 0 packets, 0 bytes  
Green wred drop : 0 packets, 0 bytes  
Yellow accept : 0 packets, 0 bytes  
Yellow wred drop : 0 packets, 0 bytes  
Red accept : 0 packets, 0 bytes  
Red wred drop : 0 packets, 0 bytes  
Total tail drop : 0 packets, 0 bytes  
Total dequeue : 0 packets, 0 bytes

将路由口该为bridge口, 使用vlan虚接口互连, 然后在bridge口下配置wrr。