

在Catalyst 6800ia接入端口配置示例的QoS

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简介

本文描述如何配置，验证和排除故障在思科Catalyst 6800ia主机端口的服务质量(QoS)。6800ia Cisco IOS软件版本152.1.SY和稍后Catalyst 6800 parent虚拟交换系统的(VSS)主机端口支持QoS。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- Cisco IOS软件版本152.1.SY
- 思科Catalyst 6800 parent VSS

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

背景信息

在Catalyst 6800ia的配置模式禁用，并且必须从parent执行6800ia主机端口的所有QoS配置。6800ia主机端口的QoS配置与策略映射。当应用对接口，此策略映射推送相关配置内部地对

6800ia然后编程硬件队列。

6800ia主机端口有1p3q3t体系结构在transmit (TX)方向。在本文的所有配置示例仅适用对在6800ia的TX队列。

当没有时明确QoS配置在6800ia在默认状态建立接口，接口能看起来类似于此示例输出的6800ia主机：

```
6880-VSS#show run int gi101/1/0/1
```

```
interface GigabitEthernet101/1/0/1
  switchport
  switchport trunk allowed vlan 500
  switchport mode access
  switchport access vlan 500
  load-interval 30
end
```

```
6880-VSS#show queueing interface gi101/1/0/1
```

```
Interface GigabitEthernet101/1/0/1 queueing strategy: Weighted Round-Robin
```

```
Port QoS is disabled globally
Queueing on Gi101/1/0/1: Tx Enabled Rx Disabled
```

```
Trust boundary disabled
```

```
Trust state: trust DSCP
Trust state in queueing: trust DSCP
Default COS is 0
```

```
Queueing Mode In Tx direction: mode-dscp
Transmit queues [type = 1p3q3t]:
Queue Id    Scheduling  Num of thresholds
-----
 1          Priority    3
 2          WRR        3
 3          WRR        3
 4          WRR        3
```

```
WRR bandwidth ratios: 100[queue 2] 100[queue 3] 100[queue 4] 0[queue 5]
queue-limit ratios: 15[ Pri Queue] 25[queue 2] 40[queue 3] 20[queue 4]
```

```
queue thresh dscp-map
```

```
-----
1 1 32 33 40 41 42 43 44 45 46 47
1 2
1 3
2 1 16 17 18 19 20 21 22 23 26 27 28 29 30 31 34 35 36 37 38 39
2 2 24
2 3 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
3 1 25
3 2
3 3 0 1 2 3 4 5 6 7
4 1 8 9 11 13 15
4 2 10 12 14
4 3
```

配置

配置示例1：队列带宽

此示例显示您如何能配置6800ia TX队列的带宽：

1. 配置类映射为了分类流量利益：6880-VSS#show run int gi101/1/0/1

```
interface GigabitEthernet101/1/0/1
  switchport
  switchport trunk allowed vlan 500
  switchport mode access
  switchport access vlan 500
  load-interval 30
end
```

6880-VSS#show queueing interface gi101/1/0/1

Interface GigabitEthernet101/1/0/1 queueing strategy: Weighted Round-Robin

Port QoS is disabled globally
Queueing on Gi101/1/0/1: Tx Enabled Rx Disabled

Trust boundary disabled

Trust state: trust DSCP
Trust state in queueing: trust DSCP
Default COS is 0

Queueing Mode In Tx direction: mode-dscp
Transmit queues [type = lp3q3t]:

Queue Id	Scheduling	Num of thresholds
1	Priority	3
2	WRR	3
3	WRR	3
4	WRR	3

WRR bandwidth ratios: 100[queue 2] 100[queue 3] 100[queue 4] 0[queue 5]
queue-limit ratios: 15[Pri Queue] 25[queue 2] 40[queue 3] 20[queue 4]

queue thresh dscp-map

Queue	Thresh	DSCP
1	1	32 33 40 41 42 43 44 45 46 47
1	2	
1	3	
2	1	16 17 18 19 20 21 22 23 26 27 28 29 30 31 34 35 36 37 38 39
2	2	24
2	3	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
3	1	25
3	2	
3	3	0 1 2 3 4 5 6 7
4	1	8 9 11 13 15
4	2	10 12 14
4	3	

2. 分配优先级和带宽到配置的等级：policy-map type lan-queueing ltest

```
class type lan-queueing ltest
  priority
class type lan-queueing ltest1
  bandwidth remaining percent 30
class type lan-queueing ltest2
  bandwidth remaining percent 20
class class-default
```

3. 应用策略映射对有问题的6800ia的接口：注意：当您适用于LAN队列策略映射6800ia堆叠的一个端口，传播对所有端口的变化在堆叠上。6880-VSS#conf t

6880-VSS(config)#int gi101/1/0/1

6880-VSS(config-if)#service-policy type lan-queueing output ltest

Propagating [attach] lan queueing policy "ltest" to Gi101/1/0/1 Gi101/1/0/2 Gi101/1/0/3

```
Gi101/1/0/4 Gi101/1/0/5 Gi101/1/0/6 Gi101/1/0/7 Gi101/1/0/8 Gi101/1/0/9 Gi101/1/0/10
Gi101/1/0/12 Gi101/1/0/13 Gi101/1/0/14 Gi101/1/0/15 Gi101/1/0/16 Gi101/1/0/17
Gi101/1/0/18 Gi101/1/0/19 Gi101/1/0/20 Gi101/1/0/21 Gi101/1/0/22 Gi101/1/0/23
Gi101/1/0/24 Gi101/1/0/25 Gi101/1/0/26 Gi101/1/0/27 Gi101/1/0/28 Gi101/1/0/29
Gi101/1/0/30 Gi101/1/0/31 Gi101/1/0/32 Gi101/1/0/33 Gi101/1/0/34 Gi101/1/0/35
Gi101/1/0/36 Gi101/1/0/37 Gi101/1/0/38 Gi101/1/0/39 Gi101/1/0/40 Gi101/1/0/41
Gi101/1/0/42 Gi101/1/0/43 Gi101/1/0/44 Gi101/1/0/45 Gi101/1/0/46 Gi101/1/0/47 Gi101/1/0/48
```

```
Propagating [attach] lan queueing policy "ltest" to Gi101/2/0/1 Gi101/2/0/2
Gi101/2/0/3 Gi101/2/0/4 Gi101/2/0/5 Gi101/2/0/6 Gi101/2/0/7 Gi101/2/0/8
Gi101/2/0/9 Gi101/2/0/10 Gi101/2/0/11 Gi101/2/0/12 Gi101/2/0/13 Gi101/2/0/14
Gi101/2/0/15 Gi101/2/0/16 Gi101/2/0/17 Gi101/2/0/18 Gi101/2/0/19 Gi101/2/0/20
Gi101/2/0/21 Gi101/2/0/22 Gi101/2/0/23 Gi101/2/0/24 Gi101/2/0/25 Gi101/2/0/26
Gi101/2/0/27 Gi101/2/0/28 Gi101/2/0/29 Gi101/2/0/30 Gi101/2/0/31 Gi101/2/0/32
Gi101/2/0/33 Gi101/2/0/34 Gi101/2/0/35 Gi101/2/0/36 Gi101/2/0/37 Gi101/2/0/38
Gi101/2/0/39 Gi101/2/0/40 Gi101/2/0/41 Gi101/2/0/42 Gi101/2/0/43 Gi101/2/0/44
Gi101/2/0/45 Gi101/2/0/46 Gi101/2/0/47 Gi101/2/0/48
```

```
Propagating [attach] lan queueing policy "ltest" to Gi101/3/0/1 Gi101/3/0/2
Gi101/3/0/3 Gi101/3/0/4 Gi101/3/0/5 Gi101/3/0/6 Gi101/3/0/7 Gi101/3/0/8
Gi101/3/0/9 Gi101/3/0/10 Gi101/3/0/11 Gi101/3/0/12 Gi101/3/0/13 Gi101/3/0/14
Gi101/3/0/15 Gi101/3/0/16 Gi101/3/0/17 Gi101/3/0/18 Gi101/3/0/19 Gi101/3/0/20
Gi101/3/0/21 Gi101/3/0/22 Gi101/3/0/23 Gi101/3/0/24 Gi101/3/0/25 Gi101/3/0/26
Gi101/3/0/27 Gi101/3/0/28 Gi101/3/0/29 Gi101/3/0/30 Gi101/3/0/31 Gi101/3/0/32
Gi101/3/0/33 Gi101/3/0/34 Gi101/3/0/35 Gi101/3/0/36 Gi101/3/0/37 Gi101/3/0/38
Gi101/3/0/39 Gi101/3/0/40 Gi101/3/0/41 Gi101/3/0/42 Gi101/3/0/43 Gi101/3/0/44
Gi101/3/0/45 Gi101/3/0/46 Gi101/3/0/47 Gi101/3/0/48
```

```
Propagating [attach] lan queueing policy "ltest" to Gi101/4/0/1 Gi101/4/0/2
Gi101/4/0/3 Gi101/4/0/4 Gi101/4/0/5 Gi101/4/0/6 Gi101/4/0/7 Gi101/4/0/8
Gi101/4/0/9 Gi101/4/0/10 Gi101/4/0/11 Gi101/4/0/12 Gi101/4/0/13 Gi101/4/0/14
Gi101/4/0/15 Gi101/4/0/16 Gi101/4/0/17 Gi101/4/0/18 Gi101/4/0/19 Gi101/4/0/20
Gi101/4/0/21 Gi101/4/0/22 Gi101/4/0/23 Gi101/4/0/24 Gi101/4/0/25 Gi101/4/0/26
Gi101/4/0/27 Gi101/4/0/28 Gi101/4/0/29 Gi101/4/0/30 Gi101/4/0/31 Gi101/4/0/32
Gi101/4/0/33 Gi101/4/0/34 Gi101/4/0/35 Gi101/4/0/36 Gi101/4/0/37 Gi101/4/0/38
Gi101/4/0/39 Gi101/4/0/40 Gi101/4/0/41 Gi101/4/0/42 Gi101/4/0/43 Gi101/4/0/44
Gi101/4/0/45 Gi101/4/0/46 Gi101/4/0/47 Gi101/4/0/48
```

```
6880-VSS(config-if)#
```

```
6880-VSS(config-if)#end
```

4. 验证策略映射应用：6880-VSS#show run int gi101/1/0/1

```
interface GigabitEthernet101/1/0/1
 switchport
 switchport trunk allowed vlan 500
 switchport mode access
 switchport access vlan 500
 load-interval 30
 service-policy type lan-queueing output ltest
end
```

5. 检查类映射对队列映射、带宽和缓冲分配和队列对差分服务代码点映射：6880-VSS#show queueing int gi101/1/0/1

```
Interface GigabitEthernet101/1/0/1 queueing strategy: Weighted Round-Robin
```

```
Port QoS is disabled globally
Queueing on Gi101/1/0/1: Tx Enabled Rx Disabled
```

```
Trust boundary disabled
```

```
Trust state: trust DSCP
Trust state in queueing: trust DSCP
Default COS is 0
Class-map to Queue in Tx direction
Class-map Queue Id
```

```

-----
ltest                1
ltest1               4
ltest2               3
class-default        2

```

```

Queueing Mode In Tx direction: mode-dscp
Transmit queues [type = lp3q3t]:
Queue Id    Scheduling  Num of thresholds
-----

```

```

1      Priority      3
2      WRR           3
3      WRR           3
4      WRR           3

```

```

WRR bandwidth ratios:  50[queue 2]  20[queue 3]  30[queue 4]
queue-limit ratios:    15[ Pri Queue] 100[queue 2] 100[queue 3] 100[queue 4]

```

```

queue thresh dscp-map
-----

```

```

1      1      32
1      2
1      3
2      1      1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
23 25 26 27 28 29 30 31 33 34 35 36 37 38 39 40 41 42 43
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
2      2
2      3
3      1      0
3      2
3      3
4      1      24
4      2
4      3

```

6. 将缓冲区和带宽分配仔细检查从6800ia : **注意** : 如果不指定部分组的缓冲区重要性 , 默认情况下采取100%。Queue1 : $15/[15+100+100+100] = 4$ 队列2 : $100/[15+100+100+100] | 31$ 重要性为其他队列也派生。6880-VSS#remote command fex 101 show mls qos int gil/0/1 buffer

```

GigabitEthernet1/0/1
The port is mapped to qset : 1
The allocations between the queues are : 4 31 31 34

```

```

6880-VSS#remote command fex 101 show mls qos int gil/0/1 queueing

```

```

GigabitEthernet1/0/1
Egress Priority Queue : enabled
Shaped queue weights (absolute) : 0 0 0 0
Shared queue weights : 0 127 51 76
The port bandwidth limit : 100 (Operational Bandwidth:100.0)
The port is mapped to qset : 1

```

7. 请验证 , 如果感兴趣流量在各自队列排队 , 并且 , 如果有任何丢包 : 6880-VSS#remote command fex 101 show mls qos int gil/0/1 statistic

```

GigabitEthernet1/0/1 (All statistics are in packets)

```

```

dscp: incoming
-----

```

```

0 - 4 :          0          0          0          0          0
5 - 9 :          0          0          0          0          0
10 - 14 :       0          0          0          0          0

```

```

15 - 19 :          0          0          0          0          0
20 - 24 :          0          0          0          0          0
25 - 29 :          0          0          0          0          0
30 - 34 :          0          0          0          0          0
35 - 39 :          0          0          0          0          0
40 - 44 :          0          0          0          0          0
45 - 49 :          0          0          0          13         0
50 - 54 :          0          0          0          0          0
55 - 59 :          0          0          0          0          0
60 - 64 :          0          0          0          0          0

```

dscp: outgoing

```

-----
0 - 4 :          0          0          0          0          0
5 - 9 :          0          0          0          0          0
10 - 14 :         0          0          0          0          0
15 - 19 :         0          0          0          0          0
20 - 24 :         0          0          0          0          9118500
25 - 29 :         0          0          0          0          0
30 - 34 :         0          0          516236         0          0
35 - 39 :         0          0          0          0          0
40 - 44 :         0          0          0          0          0
45 - 49 :         0          0          0          20         0
50 - 54 :         0          0          0          0          0
55 - 59 :         0          0          0          0          0
60 - 64 :         0          0          0          0          0

```

cos: incoming

```

-----
0 - 4 :          106          0          0          0          0
5 - 7 :           0          0          0          0          0

```

cos: outgoing

```

-----
0 - 4 :           41          0          0          9118505         516236
5 - 7 :           0          0          0          0          0

```

output queues enqueued:

```

queue:   threshold1  threshold2  threshold3

```

```

-----
queue 0:    516255          35          5
queue 1:         12          0          0
queue 2:          0          0          0
queue 3:    9118520          0          0

```

output queues dropped:

```

queue:   threshold1  threshold2  threshold3

```

```

-----
queue 0:         0          0          0
queue 1:          0          0          0
queue 2:          0          0          0
queue 3:    49823          0          0

```

Policer: Inprofile: 0 OutofProfile: 0

配置示例2：带宽和缓冲区

此示例显示您如何能配置带宽和缓冲区6800ia TX队列的：

1. 在示例创建的策略映射，当此示例显示，1，您能指定队列缓冲区分配：**注意**：如果不指定分组的缓冲区重要性，默认情况下采取100%。

```

policy-map type lan-queuing ltest
class type lan-queuing ltest

```

```

priority
queue-buffers ratio 15
class type lan-queuing ltest1
bandwidth remaining percent 30
queue-buffers ratio 30
class type lan-queuing ltest2
bandwidth remaining percent 20
queue-buffers ratio 40
class class-default
queue-buffer ratio 15

```

2. 检查类映射对队列映射、带宽和缓冲分配和队列对DSCP映射 : 6880-vss#sh queueing int gi101/1/0/1

```
Interface GigabitEthernet101/1/0/1 queueing strategy: Weighted Round-Robin
```

```
Port QoS is disabled globally
Queueing on Gi101/1/0/1: Tx Enabled Rx Disabled
```

Trust boundary disabled

```
Trust state: trust DSCP
Trust state in queueing: trust DSCP
Default COS is 0
```

Class-map to Queue in Tx direction

```
Class-map          Queue Id
```

```
-----
ltest              1
ltest1             4
ltest2             3
class-default      2
```

Queueing Mode In Tx direction: mode-dscp

Transmit queues [type = lp3q3t]:

```
Queue Id    Scheduling  Num of thresholds
```

```
-----
1           Priority    3
2           WRR        3
3           WRR        3
4           WRR        3
```

WRR bandwidth ratios: 50[queue 2] 20[queue 3] 30[queue 4]

queue-limit ratios: 15[Pri Queue] 15[queue 2] 40[queue 3] 30[queue 4]

queue thresh dscp-map

```
-----
1  1  32
1  2
1  3
2  1  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
2  2
2  3
3  1  0
3  2
3  3
4  1  24
4  2
4  3
```

3. 将缓冲区和带宽分配仔细检查从6800ia : 6880-vss#remote command fex 101 sh mls qos int gi1/0/1 queueing

```
GigabitEthernet1/0/1
Egress Priority Queue : enabled
```

```

Shaped queue weights (absolute) : 0 0 0 0
Shared queue weights : 0 127 51 76
The port bandwidth limit : 100 (Operational Bandwidth:100.0)
The port is mapped to qset : 1

```

```
6880-VSS#remote command fex 101 sh mls qos int gil/0/1 buffers
```

```

GigabitEthernet1/0/1
The port is mapped to qset : 1
The allocations between the queues are : 15 15 40 30

```

4. 请验证，如果感兴趣流量在各自队列排队，并且，如果有任何丢包：6880-VSS#remote command fex 101 sh mls qos int gil/0/1 statistic

```
GigabitEthernet1/0/1 (All statistics are in packets)
```

```

dscp: incoming
-----
0 - 4 :          0          0          0          0          0
5 - 9 :          0          0          0          0          0
10 - 14 :        0          0          0          0          0
15 - 19 :        0          0          0          0          0
20 - 24 :        0          0          0          0          0
25 - 29 :        0          0          0          0          0
30 - 34 :        0          0          0          0          0
35 - 39 :        0          0          0          0          0
40 - 44 :        0          0          0          0          0
45 - 49 :        0          0          0          491         0
50 - 54 :        0          0          0          0          0
55 - 59 :        0          0          0          0          0
60 - 64 :        0          0          0          0          0
dscp: outgoing
-----
0 - 4 :          0          0          0          0          0
5 - 9 :          0          0          0          0          0
10 - 14 :        0          0          0          0          0
15 - 19 :        0          0          0          0          0
20 - 24 :        0          0          0          0          57864687
25 - 29 :        0          0          0          0          0
30 - 34 :        0          0          29364400         0          0
35 - 39 :        0          0          0          0          0
40 - 44 :        0          0          0          0          0
45 - 49 :        0          0          0          775         0
50 - 54 :        0          0          0          0          0
55 - 59 :        0          0          0          0          0
60 - 64 :        0          0          0          0          0
cos: incoming
-----
0 - 4 :          5323          0          0          0          0
5 - 7 :           0          0          0          0          0
cos: outgoing
-----
0 - 4 :          1718          0          0          57864691         29364400
5 - 7 :           0          0          0          0          0
output queues enqueued:
queue:   threshold1  threshold2  threshold3
-----
queue 0:   29365402         1883          5
queue 1:    793          98          0

```



```

queue 2:          0          0          0
queue 3:  530554174          0          0

output queues dropped:
queue:  threshold1  threshold2  threshold3
-----
queue 0:    0          10          0
queue 1:     1          24093         0
queue 2:     0           0          0
queue 3:  2309351          0          0

Policer: Inprofile:          0 OutofProfile:          0

```

验证

当前没有可用于此配置的验证过程。

故障排除

本部分提供的信息可用于对配置进行故障排除。

[命令输出解释程序工具](#) ([仅限注册用户](#)) 支持某些 **show** 命令。请使用Output Interpreter Tool为了查看show命令输出分析。

注意：使用 **debug** 命令之前，请参阅[有关 Debug 命令的重要信息](#)。

1. QoS管理器的Enable (event)调试从6800ia CLI。保证日志重定向缓冲，并且操作日志缓冲区

```

设置为大量：6880-VSS#attach fex 101
Attach FEX:101 ip:192.168.1.101
Trying 192.168.1.101 ... Open
????????FEX-101>en
Password: cisco
FEX-101#
FEX-101#debug platform qos-manager all
QM verbose debugging is on
QM cops debugging is on
QM events debugging is on
QM Statistics debugging is on
FEX-101#exit
[Connection to 192.168.1.101 closed by foreign host]

```

2. 配置策略映射为了触发调试：6880-VSS#conf t

```

6880-VSS(config)#int gi101/1/0/1
6880-VSS(config-if)# service-policy type lan-queuing output ltest
Propagating [attach] lan queueing policy "ltest" to Gi101/1/0/1
Gi101/1/0/2 Gi101/1/0/3 Gi101/1/0/4 Gi101/1/0/5 Gi101/1/0/6 Gi101/1/0/7 Gi101/1/0/8
Gi101/1/0/9 Gi101/1/0/10 Gi101/1/0/12 Gi101/1/0/13 Gi101/1/0/14 Gi101/1/0/15 Gi101/1/0/16
<snip>
6880-VSS(config-if)#end

```

3. 检查注册结构扩展器(FEX)为了检查调试：6880-VSS#remote command fex 101 show log

```

<snip>
May 20 06:43:18.208: HQM: hulc_fex_qos_priority_handler: hulc_fex_qos_priority_handler:
****Setting Priority Queue (FEX-101)

```

May 20 06:43:18.208: HQM: hulc_fex_qos_priority_handler: hulc_fex_qos_priority_handler:
subopcode=2 startport=0 endport=0 size=4 (FEX-101)
May 20 06:43:18.208: HQM: hulc_f
_fex_qos_priority_handler:QueueNum=1 PriorityQueue=1 queuetype=2 thresholdsnum=3 (FEX-101)
May 20 06:43:18.212: HQM: hulc_fex_qos_priority_handler: hulc_fex_qos_priority_handler:
idb=GigabitEthernet1/0/1 (FEX-101)
May 20 06:43:18.212: HQM: hulc_fex_qos_priority_handler: hulc_fex_qos_priority_handler:
idb=GigabitEthernet1/0/2 (FEX-101)
May 20 06:43:18.212: HQM: hulc_fex_qos_priority_handler: hulc_fex_qos_priority_handler:
idb=GigabitEthernet1/0/3 (FEX-101)
<snip>**hulc_fex_qos_srr_weight_setting:****Setting weight for queues**** (FEX-101)**
May 20 06:43:18.232: HQM: hulc_fex_qos_srr_weight_setting: hulc_fex_qos_srr_weight_setting:
subopcode=2 startport=0 endport=0 size=4 (FEX-101)
May 20 06:43:18.232: HQM: hulc_fex_qos_srr_weight_setting: hulc_fex_qos_srr_weight_setting:
QueueNum=1 RRType=0 WeightRelative=0 WeightAbsolute=0 (FEX-101)
20 06:43:18.232: HQM: hulc_fex_qos_srr_weight_setting: hulc_fex_qos_srr_weight_setting:
ratio is 0 for queue 1 (FEX-101)
May 20 06:43:18.232: HQM: hulc_fex_qos_srr_weight_setting: hulc_fex_qos_srr_weight_setting:
QueueNum=2 RRType=0 WeightRelative=33 WeightAbsolute=0 (FEX-101)
<snip>**20 06:43:19.110: HQM: hulc_fex_qos_buffer_conf: **Setting buffer for output queues**
(FEX-101)**
May 20 06:43:19.110: HQM: hulc_fex_qos_buffer_conf: hulc_fex_qos_buffer_conf:
subopcode=2 startport=0 endport=0 size=4 (FEX-101)
May 20 06:43:19.110: HQM: hulc_fex_qos_buffer_conf: hulc_fex_qos_buffer_conf:
queuenum=1 size=15 (FEX-101)
May 20 06:43:19.110: HQM: hulc_fex_qos_buffer_conf:
hulc_fex_qos_buffer_conf: queuenum=2 size=25 (FEX-101)
May 20 06:43:19.110: HQM: hulc_fex_qos_buffer_conf:
hulc_fex_qos_buffer_conf: queuenum=3 size=40 (FEX-101)
May 20 06:43:19.110: HQM: hulc_fex_qos_buffer_conf:
hulc_fex_qos_buffer_conf: queuenum=4 size=20 (FEX-101)
May 20 06:43:19.110: HQM: hqm
20 06:43:19.113: HQM: s88g_qd_get_queue_threshold: s88g_qd_get_queue_threshold:
max_limit = 3200, set to 350. (FEX-101)
May 20 06:43:19.113: HQM: s88g_qd_get_queue_threshold: s88g_qd_get_queue_threshold:
max_limit = 3200, set to 350. (FEX-101)
<snip>**hulc_fex_qos_qthresh_map:****Setting dscp to output queue map**** (FEX-101)**
May 20 06:43:19.169: HQM: hulc_fex_qos_qthresh_map: hulc_fex_qos_qthresh_map:
subopcode=2 startport=0 endport=0 size=1 (FEX-101)
May 20 06:43:19.169: HQM: hulc_fex_qos_qthresh_map: hulc_fex_qos_qthresh_map: DscpBma
20 06:43:19.169: HQM: hulc_fex_qos_qthresh_map: hulc_fex_qos_qthresh_map
dscp=32 iterator=0 (FEX-101)
May 20 06:43:19.169: HQM: hulc_fex_qos_qthresh_map: hulc_fex_qos_qthresh_map
dscp=33 iterator=1 (FEX-101)
May 20 06:43:19.169: HQM: hulc_fex_qos_qthresh_map: hulc_fex_qos_qthresh_map
dscp=40 iterator=2 (FEX-101)
<snip>