

# Catalyst 6800ia接入埠上的QoS配置示例

## 目錄

[簡介](#)

[必要條件](#)

[需求](#)

[採用元件](#)

[背景資訊](#)

[設定](#)

[配置示例1:隊列頻寬](#)

[組態範例2:頻寬和緩衝區](#)

[驗證](#)

[疑難排解](#)

## 簡介

本文說明如何設定、驗證和疑難排解Cisco Catalyst 6800ia主機連線埠上的服務品質(QoS)。Cisco IOS<sup>®</sup>軟體版本152.1.SY中的6800ia主機連線埠以及Catalyst 6800父虛擬交換系統(VSS)上的更高版本支援QoS。

## 必要條件

### 需求

本文件沒有特定需求。

### 採用元件

本文中的資訊係根據以下軟體和硬體版本：

- Cisco IOS<sup>®</sup>軟體版本152.1.SY
- Cisco Catalyst 6800父VSS

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路正在作用，請確保您已瞭解任何指令可能造成的影響。

## 背景資訊

Catalyst 6800ia上的配置模式已禁用，並且6800ia主機埠的所有QoS配置都必須從父埠完成。

6800ia主機埠的QoS使用策略對映進行配置。應用到介面時，此策略對映在內部將相關配置推送到6800ia，然後對硬體隊列進行程式設計。

6800ia主機埠在傳輸(TX)方向具有1p3q3t體系結構。本文中的所有組態範例僅適用於6800ia上的TX佇列。

當處於預設狀態的6800ia介面上不存在顯式QoS配置時，6800ia主機介面看起來與以下示例輸出類似：

```
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
```

## 設定

## 配置示例1:隊列頻寬

此範例顯示如何設定6800ia TX佇列的頻寬：

### 1. 設定class-maps以便對相關流量進行分類：

```
class-map type lan-queuing match-any ltest
  match dscp 32
class-map type lan-queuing match-any ltest1
  match dscp 24
class-map type lan-queuing match-any ltest2
  match dscp default
```

### 2. 為已配置的類分配優先順序和頻寬：

```
policy-map type lan-queuing ltest
  class type lan-queuing ltest
    priority
  class type lan-queuing ltest1
    bandwidth remaining percent 30
  class type lan-queuing ltest2
    bandwidth remaining percent 20
  class class-default
```

### 3. 將策略對映應用於6800ia介面：附註：將lan-queueing policy-map套用到6800ia堆疊上的一個連線埠時，會將變更傳播到堆疊中的所有連線埠。

```
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 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. 驗證policy-map是否已應用：

```

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-queuing output ltest
end

```

#### 5. 檢查到隊列對映、頻寬和緩衝區分配以及到差分服務代碼點(DSCP)對映的類對映：

```

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. 再次檢查6800ia的緩衝區和頻寬分配：附註：如果不為特定類指定緩衝區權重，則預設情況下需要100%。隊列1:15 / [15+100+100+100] = 4隊列2:100 / [15+100+100] ~ 31還衍生出其他隊列的權重。

```
6880-VSS#remote command fex 101 show mls qos int gi1/0/1 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 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
```

7. 驗證相關流量是否在各自的隊列中入隊，以及是否存在任何丟棄：

```
6880-VSS#remote command fex 101 show mls qos int gi1/0/1 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
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

```

## 組態範例2:頻寬和緩衝區

此範例顯示如何為6800ia TX佇列設定頻寬和緩衝區：

1. 在示例1中建立的策略對映中，可以指定隊列緩衝區分配，如以下示例所示：**附註**：如果不為特定類指定緩衝區權重，則預設情況下需要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. 檢查到隊列對映、頻寬和緩衝區分配以及隊列到DSCP對映的類對映：

```

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 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

```

### 3. 再次檢查6800ia的緩衝區和頻寬分配：

```

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 gi1/0/1 buffers

```

```

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

```

### 4. 驗證相關流量是否在各自的隊列中入隊，以及是否存在任何丟棄：

```

6880-VSS#remote command fex 101 sh mls qos int gi1/0/1 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          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

```

## 驗證

目前沒有適用於此組態的驗證程序。

## 疑難排解

本節提供的資訊可用於對組態進行疑難排解。

[輸出直譯器工具](#) (僅供已註冊客戶使用) 支援某些 **show** 命令。使用輸出直譯器工具來檢視 **show** 命令輸出的分析。



附註：使用 debug 指令之前，請先參閱[有關 Debug 指令的重要資訊。](#)

1. 從6800ia CLI為qos-manager啟用debug。確保日誌被重定向到緩衝區，並且日誌緩衝區設定為高數：

```
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policy-map以觸發調試：

```
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 queuing 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. 檢查交換矩陣擴展器(FEX)上的日誌以檢查調試：

```
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>
```