

Monitoring the Configuration of QoS Profiles

Purpose Display information about QoS profiles, including attachments to interfaces or port types.

This command displays groups, nodes, and queues, in that order, according to the following sequence:

- not members of a traffic-class group
- members of the strict-priority traffic-class group
- members of an extended traffic-class group in the order of configuration

Action To display information about a specific QoS profile:

```
host1# show qos-profile qpDiffServExample1
```

```
qos-profile qpDiffServExample1:
```

t-class group	interface type	rule type	traffic class	scheduler profile	queue profile	drop profile	statistics profile

	ip	queue	tc3	best-effort	default	default	default
	ip	queue	tc4	best-effort	default	default	default
	ip	queue	tc5	best-effort	default	default	default
expedited-forwarding	ethernet	group		expeditedGroup			
expedited-forwarding	ip	node		default			
expedited-forwarding	ip	queue	voice	voice	default	default	default
best-effort	ethernet	group		bestEffortGroup			
best-effort	ip	node		default			
best-effort	ip	queue	best-effort	best-effort	default	default	default
assured-forwarding	ethernet	group		assuredGroup			
assured-forwarding	ip	node		default			
assured-forwarding	ip	queue	video	video	default	default	default

To display information about the QoS profiles attached to an interface or port type:

```
host1# show qos-profile references interface fastEthernet 9/0 202
      qos profile      attachment
```

-----		-----	
atm-default		(qos-port-type-profile)	
serial-default		(qos-port-type-profile)	
ethernet-default		(qos-port-type-profile)	
server-default		(qos-port-type-profile)	
lag-default		(qos-port-type-profile)	
subscriber-data-service		vlan FastEthernet9/0.1	
subscriber-triple-play		vlan FastEthernet9/0.2	
subscriber-triple-play		vlan FastEthernet9/0.3	
Port attachments:	4		
Interface attachments:	3		
DCM Profile attachments:	0		
Not attached:	0		

To display the number of times the QoS profile is referenced by an interface or protocol profile:

```

host1#show qos-profile brief
qos-profile atm-default referenced by 1 attachment
qos-profile serial-default referenced by 1 attachment
qos-profile ethernet-default referenced by 1 attachment
qos-profile server-default referenced by 1 attachment
qos-profile lag-default referenced by 1 attachment

```

To display information about the QoS profiles attached to a specific tunnel interface, specify the interface at the root of the scheduler hierarchy located on the tunnel-service interface or at the same hierarchy for LNS GRE tunnel traffic:

```

host1#show qos-profile references tunnel-server 6/0

```

To display information about the QoS profiles attached to a specific L2TP session:

```

host1#show qos-profile references l2tp-session session1

```

To display attachments for QoS profiles only on the specified interface and not QoS profiles stacked above the interface:

```

host1#show qos-profile references interface gigabitEthernet 6/0 explicit

```

Meaning Table 1 lists the **show qos-profile** command output fields.

Table 1: show qos-profile Output Fields

Field Name	Field Description
qos-profile	Name of QoS profile
t-class group	Name of the traffic-class group associated with the interface
interface type	Type of interface
rule type	Whether the rule is a group node, scheduler node, queue, or shadow node
traffic class	Name of the traffic class associated with the interface
scheduler profile	Name of the scheduler profile associated with the interface
queue profile	Name of the queue profile associated with the interface
drop profile	Name of the drop profile associated with the interface
statistics profile	Name of the statistics profile associated with the interface
attachment	Type of interface or port type to which the QoS profile is attached
Port attachments	Number of QoS profiles attached to port types

Table 1: show qos-profile Output Fields *(continued)*

Field Name	Field Description
DCM Profile attachments	Number of QoS profiles attached to profiles for Service Manager
Interface attachments	Number of QoS profiles attached to interfaces
Not attached	Number of QoS profiles that are unattached

- Related Topics**
- Configuring a QoS Profile
 - Attaching a QoS Profile to an Interface
 - Creating Parameter Instances
 - show qos-profile

Published: 2010-01-12