

www.raisecom.com

QoS Function Commands-9

CONTENTS



Chapter 1	QoS Function Commands	1
1.1	mls qos	1

Chapter 1 QoS Function Commands

1.1 mls qos

[Function]

Set queue priority and frame priority, based on smac, dmac and vlan, rewrite function for the port.

[Command format]

mls qos {*smac* / *dmac*} {*priority-set*/*cos-override*}

mls qos {*smac*/*dmac*} *priority-set* *cos-override*

mls qos vlan {*priority-set*/*cos-override*}

mls qos vlan *priority-set* *cos-override*

[Parameter]

smac: source MAC address;

dmac: destination MAC address;

vlan: vlan <1-4094>;

priority-set: cover queue priority;

cos-override: cover cos message.

[Default]

Neither cover frame priority nor queue priority.

[Command Modes]

Port configuration mode

[Executing Command Instruction]

The configuration is not effective until global QoS enable.

[Explanation of command execution echo]

Set successfully.

Set unsuccessfully.

[Example]

Cover smac queue priority under port configuration mode:

Raisecom(config-port)# **mls qos smac priority-set**

[Related commands]

Commands	Description
----------	-------------

show mls qos port-list <i>{1-MAX_PORT_STR}</i>	Show qos configuration information.
no mls qos (<i>smac/dmac</i>)	Recover default status of covering MAC to priority.
no mls qos vlan	Recover default status of covering VLAN to priority.

1.2 queue preempt-wrr

[Function]

Set the queueing mode of the port to PREEMP-WRR mode, which is SP+WRR mode, and also set the weight for each queue.

[Command format]

queue preempt-wrr *weight0 weight1 [weight2]*

[Parameter]

weightn: weight for the queue n, range from 1-255.

[Default]

Default queueing mode is strict priority(SP).

[Command Modes]

Global configuration mode; privileged user

[Executing Command Instruction]

Set the queueing mode of the port to PREEMP-WRR mode that is SP+WRR MODE, and set the bound for the queue. At this time, queue 0 uses strict priority for queueing, and other queues are based on the WRR queueing mode.

[Explanation of command execution echo]

Set the weight of cos queue successfully.

Set the weight of cos queue unsuccessfully.

[Example]

Raisecom(config)# **queue preempt-wrr** 1 2 3

[Related commands]

Commands	Description
show mls qos queueing	Show queue information.

1.3 no mls qos

[Function]

Recover the port cover value based on MAC and VLAN to default value.

[Command format]

no mls qos (*smac/dmac*)

no mls qos vlan

[Parameter]

smac: source MAC address;

dmac: destination MAC address;

vlan: vlan.

[Default]

Neither cover frame priority nor queue priority.

[Command Modes]

Port configuration mode

[Executing Command Instruction]

The configuration is not effective until global QoS enable.

[Explanation of command execution echo]

Set successfully.

Set unsuccessfully.

[Example]

Recover smac priority under port configuration mode to default value:

Raisecom(config-port)# **no mls qos smac**

[Related commands]

Commands	Description
show mls qos port-list <i>{1-MAX_PORT_STR}</i>	Show qos configuration information.
no mls qos (<i>smac/dmac</i>)	Recover default status of covering MAC to priority.
mls qos vlan	Recover default status of covering VLAN to priority.

1.4 show mls qos portlist *portlist*

[Function]

Show port configuration.

[Command format]

show mls qos portlist *portlist*

[Parameter]

portlist: port value range.

[Command Modes]

Global enable mode

[Executing Command Instruction]

This command show port configuration information.

[Explanation of command execution echo]

<i>port</i>	<i>smac-policy</i>	<i>dmac-policy</i>	<i>vlan-policy</i>

<port-id>	< cos-override /	< cos-override /	< cos-override /
	priority-set /	priority-set /	priority-set /
	cos-override & priority-set >	cos-override & priority-set >	cos-override & priority-set >

[Example]

Show configuration information of port 2 under global configuration mode:

Raisecom# **show mls qos portlist 2**

[Related commands]

Commands	Description
no vlan {2-4094} priority	Recover VLAN priority to default value.
vlan {2-4094} priority <0-7>	Configure VLAN priority.



北京瑞斯康达科技发展有限公司
RAISECOM TECHNOLOGY CO.,LTD.

Address: 2nd Floor, South Building of Rainbow Plaza, No.11 Shangdi Information Road,
Haidian District, Beijing Postcode: 100085 Tel: +86-10-82883305 Fax: +86-10-82883056
Email: export@raisecom.com <http://www.raisecom.com>