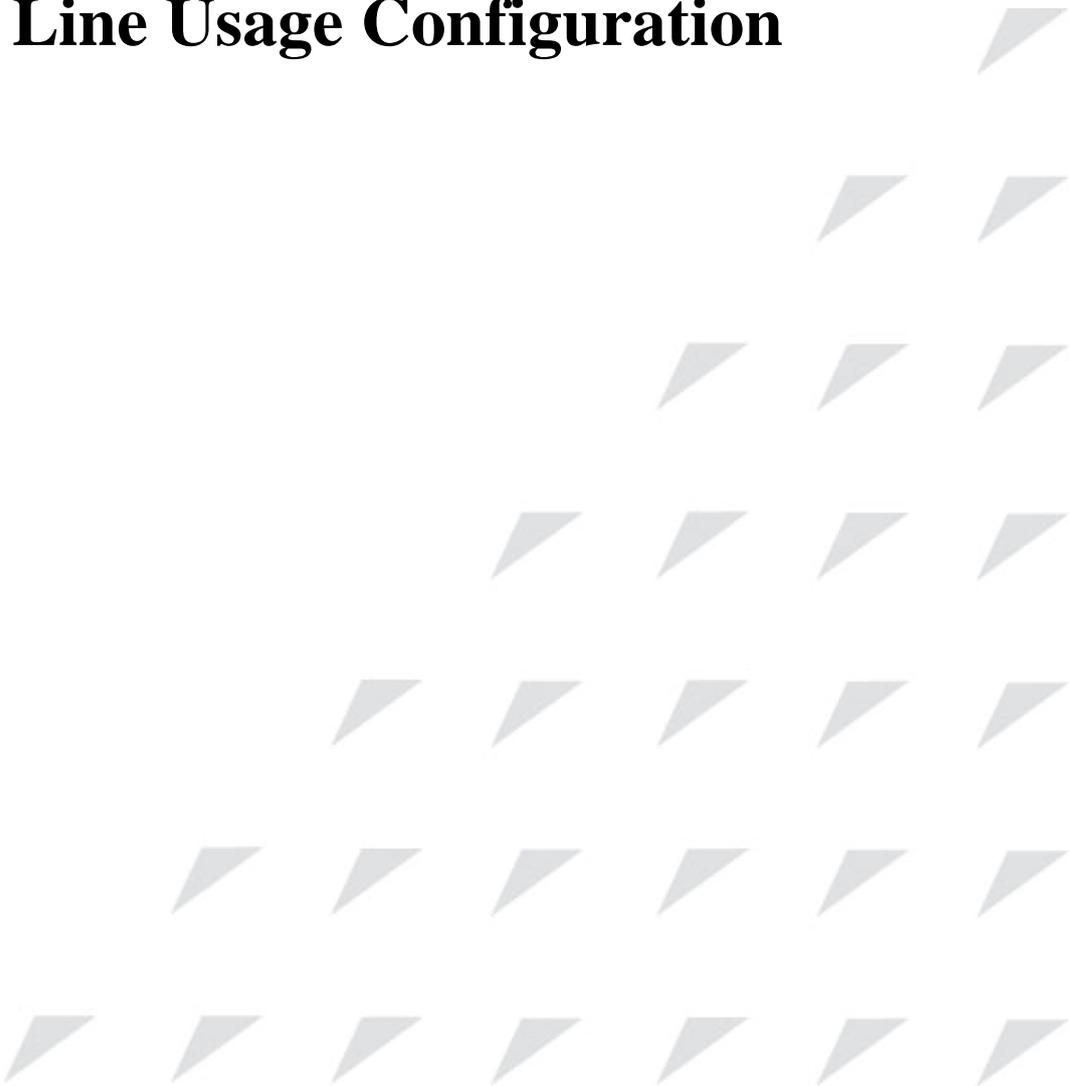# RAISECOM

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Commands Line Usage Configuration

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Feedback

Comments and questions about how the NView iEMS system software works are welcomed. Please review the FAQ in the related manual, and if your question is not covered, send email by using the following web page:

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We hope to hear from you!

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Chapter 2 Commands Line Usage

2.1 introduction to commands line

Commands Line is the channel for the communication between subscribers and switches.In the commands lines,subscribers is able to monitor,control and manage the switches through configuring the corresponding commands.For better convenience,subscribers can edit shortcuts to use the commands,by the same time subscribers can examine the used commands through transferring the history.The commands line mode confines the way different subscribers use commands lines,where various commands line modes are offered.Subsribers can make certain configuration only in the corresponding mode.

2.2 commands line usage configuration

2.2.1 commands line mode configuration

模式	Mode description	Access	Prompt	Out
Universal subscriber mode	Subscriber is allowed to configure the basic information and the parameter shown on the switc.	Login the switch and enter the user's name and password.	Raisecom>	**Exit** Withdraw from the current mode.
Subscriber privileges mode	Subscriber is allowed to configure the basic information of the switch,like system time and the name of the switch,except the operation information.	From universal subscriber mode ,type **enable** and password.	Raisecom#	**Exit** Withdraw from the current mode.
Global configuration mode	Subscriber is allowed to configure all the operation parameters.	From subscriber privilege mode,type **config**	Raisecom(config)#	**Exit** Withdraw from the current mode.

Physical layer interface configuration mode	Subscriber is allowed to configure the Ethernet physical interface of the switch.	From global configuration mode,type **interface port portid**.	Raisecom(config-port)#	**Exit** Withdraw from the current mode.
Physical layer interface bulk configuration mode	Subscriber is allowed to range configure the parameter of the switch's Ethernet physical interface.	From global mode,type **interface port portid**.	Raisecom(config-range)#	**Exit** Withdraw from the current mode.
Three-tier interface configuration mode	Subscriber is allowed to configure the switch's three-tier Ethernet interface.	From global mode ,type **interface port ip** id.	Raisecom(config-ip)#	**Exit** Withdraw from the current mode.
VLAN configuration mode	Subscriber is allowed to configure the VLAN operation parameters.	Enter **vlan**	Raisecom(config-vlan) #	**Exit** Withdraw from the current mode.
Class Map configuration mode	Subscriber is allowed to configure the given data flow.	From global configuration mode, type **class-map** class-map-name **[match-all | match-any]** command.	Raisecom(config-cmap)#	**Exit** Withdraw from the current mode.
Policy Map configuration mode	Subscriber is allowed to classify and package the data flow defined by class-map.	From global configuration mode, type **policy-map** policy-map-name command.	Raisecom(config-pmap)#	**Exit** Withdraw from the current mode.

Traffic classification configuration mode	Subscriber is allowed to configure the action of the date flow.	From policy map exec mode, type **class-map** class-name command.	Raisecom(config-pmap -c)#	**Exit** Withdraw from the current mode.
The cluster configuration mode	Subscriber is allowed to configure the cluster.	From global configuration mode, type **cluster** command.	Raisecom(config-cluste r)#	**Exit** Withdraw from the current mode.
Access control list mapping table configuration mode	Subscriber is allowed to configure the access control list mapping table.	From global configuration mode, type access-list-map <0-399> {permit	deny} command.	Raisecom(config-aclma p)#	**Exit** Withdraw from the current mode.
Subscriber network mode	Subscriber is allowed to configure three-tier network setting,show the users' network information and network tools.	Form global configuration mode,type **user-network diagnostics.**	Raisecom(config-usrnet)#	**Exit** Withdraw from the current mode.
RIP configuration mode	Subscriber is allowed to configure RIP.	Forom global configuration mode，type **router rip.**	Raisecom(config-router -rip)#	**Exit** Withdraw from the current mode.
OSPF configuration mode	Subscriber is allowed to configure OSPF.	From global configuratiom mode，type **router ospf**.	Raisecom(config-router -ospf)#	**Exit** Withdraw from the current mode.

2.2.3 Getting Help

Command	Functional description
help	Get a short system help both in English and in Chinese.
*abbreviated-command-entry***?**	Get a list for all the available commands that match a particular string prefix (*abbreviated-command-entry*). For example: ISCOM> **en? english enable**
abbreviated-command-entry<**Tab**>	Makeup an incomplete command. For example. Raisecom#**show ser**<Tab> Raisecom#**show service**
?	List all the commands under this mode. For example Raisecom#**?**
command?	List all the key words and options for particular command with a short help information for it. Raisecom#**show ?**
command keyword **?**	List the key words corresponding command For example Raisecom(config)#**ip**? Ip IP setting ip-access-list Define IP access control list

2.2.3 Using Editing Features

up arrow: last entered command

down arrow: next entered command

left arrow: move a character left

right arrow: move a character right

backspace: delete a character in front of the cursor

Ctrl+d: delete a character at the cursor

Ctrl+a: move the cursor to the beginning of the command line

Ctrl+e: move the cursor to the end of the command line

Ctrl+k: delete all the characters to the right the cursor

Ctrl+w: delete all the characters to the left of the cursor

Ctrl+u: delete the row all

Ctrl+z: exit from other modes to privileged mode

2.2.4 Command-line History

The switch records the latest 20 commands in the cache by default.User can use the following command to set the number of history commands that will be recorded.:

Raisecom>terminal history *<0-20>*

Use **history** to show the history command.

2.2.5 The command-line Error

Error	Description	Getting help
Unknowncommand or in accurate For example Raisecom#sh co %" co " Unknown command.	Review the command needed.	
The command is not confirmed： For example Raisecom#sh r %" r " Unconfirmed command	Input the order that can not be recognized by the switch from the commands.	Add **?** for annotation and command.For example: Raisecom#**sh r** rate-limit： Rate control rmon： RemoteNetwork Monitoring (RMON) configuration rndp： RNDP configuration rtdp： RTDP configuration running-config： Running system configuration information
Command incomplete For example Raisecom#show % " show " Incomplete command.	The switch can not recognize the operation form the command， command that can be recognized is needed.	Add **?** for command and annotation.For example: Raisecom#**sh r** rate-limit： Rate control rmon： RemoteNetwork Monitoring (RMON) configuration

		rndp：RNDP configuration
		rtdp：RTDP configuration
		running-config：Running system configuration information