SIP Configuration Commands

Table of Contents

Chapter 1 **SIP UA Configuration Commands**

1.1 sipua-config

Syntax

sipua-config

Parameter

None

Default value

None

Description

You can run **sipua-config** to enter the SIP UA mode.

Example

Router_config#sipua-config
Router_config_sipua#

1.2 sipua ipaddr

Syntax

[no] sipua ipaddr *x.x.x.x*

Parameter

Parameter	Description
x.x.x.x	Stands for the IP address used by UA.

Default value

None

Description

The IP address of UA which is designated by the **sipua ipaddr** command must be an effective address.

Example

Router_config#sipua-config
Router_config_sipua#sipua ipaddr 1.1.1.1

1.3 sipua interface

Syntax

[no] sipua interface *interface*

Parameter

Parameter	Description
Interface	Stands by the network interface of UA.

Default value

None

Description

You can run **sipua interface** to designate the network interface of UA.

Example

Router_config#sipua-config
Router_config_sipua#sipua interface g0/0

1.4 sipua sipuaID

Syntax

[no] sipua sipuaID *ID*

Parameter

Parameter	Description
ID	Stands for a number string, which is the global unique ID used by UA.

Default value

None

Description

The global ID used by UA, which is configured through the sipua sipuaID command, is unique so that each device ID cannot be repeated.

Example

Router_config#sipua-config
Router_config_sipua# sipua sipuaID sip-gw-001

1.5 sipua regserverid

Syntax

[no] sipua regserverid *ID* **ipaddr** *x.x.x.x*

Parameter

Parameter	Description
ID	Stands for the locally identified ID of the server.
x.x.x.x	Stands for the IP address of the server.

Default value

None

Description

You can run this command to set the already running registration server. This command can also be used to distribute an ID and designate an IP address.

Example

Router_config#sipua-config
Router_config_sipua# sipua regserverid 1 ipaddr 1.1.1.2

1.6 sipua authentication

Syntax

[no] sipua authentication serverid *ID* **[{username** *user* **password** *pwd***} | {pots}]**

Parameter

Parameter	Description
ID	Stands for the locally identified ID of the server.
user	Stands for the username for authentication.
Pwd	Stands for the password for authentication.

Default value

None

Description

This command is used to set the authentication information for the registration on the SIP server.

There are two kinds of authentication information, one being the user ID and the other being the pre-distributed username and password.

Example

Router_config#sipua-config
Router_config_sipua#sipua authentication serverid 1 username bdcom password bdcom

1.7 sipua keepalive

Syntax

[no] sipua keepalive *timer*

Parameter

Parameter	Description
timer	Stands for the locally identified ID of the server.

Default value

sipua keepalive *60*

Description

This command is used to set the Keepalive time for the registration on the SIP server.

Example

Router_config#sipua-config
Router_config_sipua#sipua keepalive 120

1.8 shutdown

Syntax

[no] shutdown

Parameter

None

Default value

shutdown

Description

The **no shutdown** command is used to open SIP UP registration, while the **shutdown** command is used to close SIP UP registration.

Example

Router_config#sipua-config
Router_config_sipua#no shut down

Chapter 2 **Dialer-Peer Configuration Commands**

2.1 dial-peer voice

Syntax

[no] dial-peer voice ID **[voip | pots]**

Parameter

Parameter	Description
ID	Stands for the ID that is distributed to the dial-peer.

Default value

None

Description

The **dial-peer** parameter is used to set a dial peer, the **voip** parameter is used to set a remote code peer, and the **pots** parameter is used to set the local code peer.

Example

Router_config#dial-peer voice 1 pots
Router_config_dial-peer_1#

Router_config#dial-peer voice 2 voip
Router_config_dial-peer_2#

2.2 destination

Syntax

VOIP mode:

[no] destination *number*

POTS mode:

[no] destination *number* **[register-to [{server-id** *ID***} | unregister]]**

Parameter

Parameter	Description
number	It is a number string and stands for the telephone number.
ID	Stands for the locally identified ID of the server.

Default value

None

Description

VOIP mode:

The **destination** command is used to set the local telephone number.

The **register-to** parameter is used to designate a configured SIP server to which the telephone number is registered, or is not used to designate a SIP server for the telephone number to be registered to. If this parameter is not used, the telephone number is registered to the SIP server with highest priority.

POTS mode:

The **destination** command is used to set the telephone number of the peer.

Example

Router_config_dial-peer_1#destination 10000 register-to server-id 1

Router_config_dial-peer_2#destination 20000

2.3 port

Syntax

POTS mode:

[no] port [*port* **| all]**

Parameter

Parameter	Description
port	Stands for the voice port.

Default value

None

Description

This command is used to designate in POTS mode the voice port that uses the dialpeer.

Example

Router_config_dial-peer_1#port 0/1

2.4 target

Syntax

VOIP mode:

[no] target {{ipv4: *x.x.x.x***} | {server [***ID***]} | {terminal}}**

Parameter

Parameter	Description
x.x.x.x	Stands for the IP address used by the target code.
ID	Stands for the locally identified ID of the server.

Default value

None

Description

The **target** parameter is used to set the type of a call target in voip mode.

The **ipv4** parameter is used to set the IP address of the peer in a point-to-point call.

The **server** parameter is used to designate an ID of a used and configured SIP server when a call is conducted through the SIP server.

The terminal parameter means the 12-bit number which is configured by the **destination** command will be transformed to an IP address.

Example

Router_config_dial-peer_2#target server 1

Chapter 3 **Dial Configuration Commands**

3.1 dial-peer terminator

Syntax

[no] dial-peer terminator *CHAR*

Parameter

Parameter	Description
CHAR	Stands for the dial terminator.

Default value

None

Description

In the dial peer of the VOIP type, the button for dial ending must be configured before the long match is used.

Example

Router_config#tdial-peer terminator #

3.2 dial-peer auto-terminated

Syntax

[no] dial-peer auto-terminated *timer*

Parameter

Parameter	Description
timer	Stands for the termination timeout time.

Default value

None

Description

In the dial peer of the VOIP type, the timeout time of dial termination must be configured when the long match is used. If the user does not press the stop button after the timeout time, the dial ends by default.

Example

Router_config#dial-peer auto-terminated 5