

### XE200/2000 H.323终端与SIP终端呼叫互通(普通呼叫方式)的配置

#### 一、组网需求:

一台XE200语音服务器采用集中式组网,并同时启用网守和SIP Server功能,其呼叫方式均配置为路由呼叫,一台H.323网关和一台SIP用户代理(User Agent)是归属于本地位置服务器下的两台网关设备,进行H.323终端与SIP终端之间的呼叫互通。

#### 二、组网图:

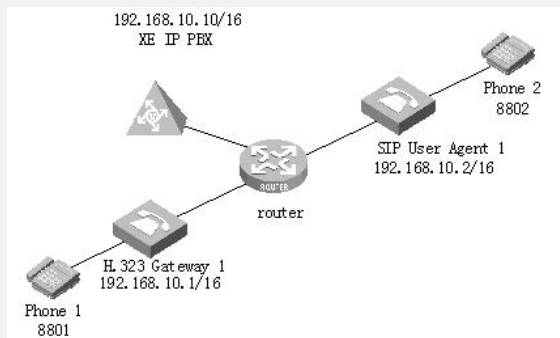


图1-1 H.323终端普通呼叫方式下与SIP终端呼叫互通组网图

#### 三、配置步骤:

& 说明:

假设H.323 Gateway 1、SIP User Agent 1、语音服务器XE IP PBX之间的路由可达,本例中省略了关于路由方面的配置,请用户根据自己的网络环境进行配置。

##### 1.配置H.323 Gateway 1

```
# 配置以太网接口
[VG1] interface ethernet 0
[VG1-Ethernet0] ip address 192.168.10.1 255.255.0.0
[VG1-Ethernet0] quit
# 配置语音实体
[VG1] voice-setup
[VG1-voice] dial-program
[VG1-voice-dial] entity 8888 voip
[VG1-voice-dial-entity8888] address ras
[VG1-voice-dial-entity8888] match-template ....
[VG1-voice-dial-entity8888] quit
[VG1-voice-dial] entity 8801 pots
[VG1-voice-dial-entity8801] line 0
[VG1-voice-dial-entity8801] match-template 8801
[VG1-voice-dial-entity8801] return
# 配置GK-Client
[VG1] voice-setup
[VG1-voice] gk-client
[VG1-voice-gk] gw-id h323gateway1
[VG1-voice-gk] gw-address ip 192.168.10.1
[VG1-voice-gk] gk-id xeippbx gk-addr 192.168.10.10 1719
[VG1-voice-gk] ras-on
```

##### 2.配置SIP User Agent 1

```
# 配置以太网接口
[UA] interface ethernet 0
[UA-Ethernet0] ip address 192.168.10.2 255.255.0.0
[UA-Ethernet0] quit
# 配置语音实体
[UA] voice-setup
[UA-voice] dial-program
[UA-voice-dial] entity 8888 voip
[UA-voice-dial-entity8888] address sip proxy
[UA-voice-dial-entity8888] match-template ....
[UA-voice-dial] entity 8802 pots
```

```
[UA-voice-dial-entity8802] line 0
[UA-voice-dial-entity8802] match-template 8802
[UA-voice-dial-entity8802] return
# 配置SIP网关 (User Agent)
[UA] voice-setup
[UA-voice] sip
[UA-voice-sip] sip-id sipuseragent1
[UA-voice-sip] sip-server master 192.168.10.10 port default all
[UA-voice-sip] register-enable on
```

### 3.配置XE语音服务器

```
# 配置以太网接口
[XE] interface ethernet 0/0
[XE-Ethernet0/0] ip address 192.168.10.10 255.255.0.0
# 配置网守和SIP代理服务器
[XE] process-server
[XE-ps] ps-config xeippbx interface Ethernet 0/0
[XE-ps] heartbeat password xe200
[XE-ps] start
[XE-ps] gatekeeper
[XE-ps-gk] start //启动网守功能
[XE-ps-gk] quit
[XE-ps] sip
[XE-ps-sip] start //启动SIP Server功能
```

### 4.配置位置服务器

```
# 配置位置服务器
[XE] location-server
[XE-ls] ls-config interface Ethernet 0/0
[XE-ls] call-mode h323 routed //启用H323路由呼叫模式
[XE-ls] call-mode sip routed //启用SIP代理呼叫模式
[XE-ls] process-server xeippbx
[XE-ls-ps-xeippbx] ip-address 127.0.0.1
[XE-ls-ps-xeippbx] heartbeat password xe200
[XE-ls-ps-xeippbx] quit
[XE-ls] gateway h323gateway1
[XE-ls-gw-h323gateway1] device-type h323
[XE-ls-gw-h323gateway1] dynamic-ip enable
[XE-ls-gw-h323gateway1] quit
[XE-ls] gateway sipuseragent1
[XE-ls-gw-sipuseragent1] device-type sip
[XE-ls-gw-sipuseragent1] dynamic-ip enable
[XE-ls-gw-sipuseragent1] quit
[XE-ls] start
```

### 四、配置关键点:

配置H.323终端同SIP终端互通, 无需做任何特殊的处理, 只需要在XE上同时启动网守及SIP Server功能即可。