

XE200/2000 SIP呼叫功能(集中式)的配置

一、组网需求:

两台语音网关作为SIP用户代理 (UA) , 通过XE200语音服务器 (包含SIP代理服务器和位置服务器) 进行SIP呼叫。

二、组网图:

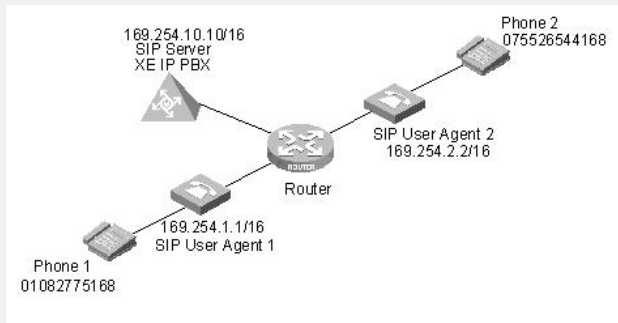


图1-1 SIP用户代理通过SIP服务器呼叫组网图

三、配置步骤:

假设SIP User Agent 1、SIP User Agent 2以及SIP Server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SIP User Agent 1

```
# 配置以太网接口
[VG1] interface ethernet 0/0
[VG1-Ethernet0/0] ip address 169.254.1.1 255.255.0.0
[VG1-Ethernet0] quit

# 配置语音实体
[VG1] voice-setup
[VG1-voice] dial-program
[VG1-voice-dial] entity 2222 voip
[VG1-voice-dial-entity2222] address sip proxy //呼叫路由方式为sip代理
[VG1-voice-dial-entity2222] match-template 057126544168
[VG1-voice-dial-entity2222] quit
[VG1-voice-dial] entity 1111 pots
[VG1-voice-dial-entity1111] line 0
[VG1-voice-dial-entity1111] match-template 01082775168
[VG1-voice-dial-entity1111] return

# 配置SIP
[VG1] voice-setup
[VG1-voice] sip //进入sip-UA配置视图
[VG1-voice-sip] sip-server master 169.254.10.10 //配置sip-server地址
[VG1-voice-sip] sip-id router1 //配置UA的sip-id
[VG1-voice-sip] register-enable on //启用UA的sip注册功能
```

2. 配置SIP User Agent 2

```
# 配置以太网接口
[VG2] interface ethernet 0/0
[VG2-Ethernet0/0] ip address 169.254.2.2 255.255.0.0
[VG2-Ethernet0/0] quit

# 配置语音实体
[VG2] voice-setup
[VG2-voice] dial-program
[VG2-voice-dial] entity 1111 voip
[VG2-voice-dial-entity1111] address sip proxy //呼叫路由方式为sip代理
[VG2-voice-dial-entity1111] match-template 01082775168
[VG2-voice-dial-entity1111] quit
[VG2-voice-dial] entity 2222 pots
[VG2-voice-dial-entity2222] line 0
[VG2-voice-dial-entity2222] match-template 057126544168
```

```
[VG2-voice-dial-entity1111] return
# 配置SIP
[VG1] voice-setup
[VG1-voice] sip //进入sip-UA配置视图
[VG1-voice-sip] sip-server master 169.254.10.10 //配置sip-server地址和端口
[VG1-voice-sip] sip-id router2 //配置UA的sip-id
[VG1-voice-sip] register-enable on //启用UA的sip注册功能
3. 配置SIP服务器 (包含SIP代理服务器和位置服务器)
# 配置以太网接口
[XE] interface ethernet 0/0
[XE-Ethernet0/0] ip address 169.254.10.10 255.255.0.0
[XE-Ethernet0/0] quit
# 配置SIP代理服务器
[XE] process-server
[XE-ps] ps-config xe200 interface Ethernet 0/0
[XE-ps] heartbeat password xe200
[XE-ps] ls-mode local
[XE-ps] start
[XE-ps] sip
[XE-ps-sip] start
# 配置位置服务器
[XE] location-server
[XE-ls] ls-config interface Ethernet 0/0 port 13579
[XE-ls] call-mode sip routed //配置SIP代理呼叫模式 (缺省配置)
[XE-ls] start
[XE-ls] process-server xe200
[XE-ls-ps-xe2000] ip-address 127.0.0.1
[XE-ls-ps-xe2000] heartbeat password xe200
[XE-ls] gateway router1
[XE-ls-gw-router1] device-type sip //终端类型为SIP-UA
[XE-ls-gw-router1] dynamic-ip enable
[XE-ls-gw-router1] quit
[XE-ls] gateway router2
[XE-ls-gw-router2] device-type sip
[XE-ls-gw-router2] dynamic-ip enable
```

四、配置关键点:

此实例的关键在于配置呼叫模式时使用SIP路由方式 (sip routed) 。