

XE200/2000 混合模式下多被叫同时振铃的配置

一、组网需求:

一台XE200语音服务器采用集中式组网, 两台H.323网关和一台SIP网关 (User Agent) 是属于本地位置服务器下的三台网关设备, 一台H.323网关作为主叫网关, 另一台H.323网关和SIP用户代理作为同时振铃的被叫网关, 进行混合组网环境下的多被叫同时振铃。

二、组网图:

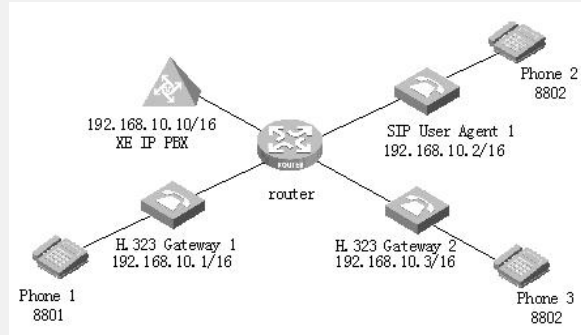


图1-1 混合组网环境下多被叫同时振铃组网图

三、配置步骤:

& 说明:

假设H.323 Gateway 1、H323 Gateway 2、SIP User Agent 1、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] fast-connect
[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H.323 Gateway 2

```
# 配置以太网接口
[VG2] interface ethernet 0
[VG2-Ethernet0] ip address 192.168.10.3 255.255.0.0
[VG2-Ethernet0] quit

# 配置语音实体
[VG2] voice-setup
[VG2-voice] dial-program
[VG2-voice-dial] entity 8888 voip
[VG2-voice-dial-entity8888] address ras
```

```
[VG2-voice-dial-entity8888] match-template ....
[VG2-voice-dial-entity8888] quit
[VG2-voice-dial] entity 8802 pots
[VG2-voice-dial-entity8802] line 0
[VG2-voice-dial-entity8802] match-template 8802
[VG2-voice-dial-entity8802] return
# 配置GK-Client
[VG2] voice-setup
[VG2-voice] gk-client
[VG2-voice-gk] gw-id h323gateway2
[VG2-voice-gk] gw-address ip 192.168.10.3
[VG2-voice-gk] gk-id xeippbx gk-addr 192.168.10.10 1719
[VG2-voice-gk] ras-on
3.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
4.配置XE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
[XE-ps-gk] quit
[XE-ps] sip
[XE-ps-sip] start
5.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 h323gateway2
[XE-ls-gw-h323gateway2] device-type h323
```

```
[XE-ls-gw-h323gateway2] dynamic-ip enable
[XE-ls-gw-h323gateway2 8802] quit
[XE-ls-gw-h323gateway2] quit
[XE-ls] gateway sipuseragent1
[XE-ls-gw-sipuseragent1] device-type sip
[XE-ls-gw-sipuseragent1] dynamic-ip enable
[XE-ls-gw-sipuseragent1 8802] quit
[XE-ls-gw-sipuseragent1] quit
[XE-ls] start
```

四、配置关键点：

只有在H323路由呼叫模式和SIP的代理呼叫模式下，才能实现多被叫同时振铃。即在XE的location-server视图下配置call-mode h323 routed和call-mode sip routed。另外只要注册了相同的号码，即可实现多被叫同时振铃。（缺省情况下，所有注册网关的优先级相同）