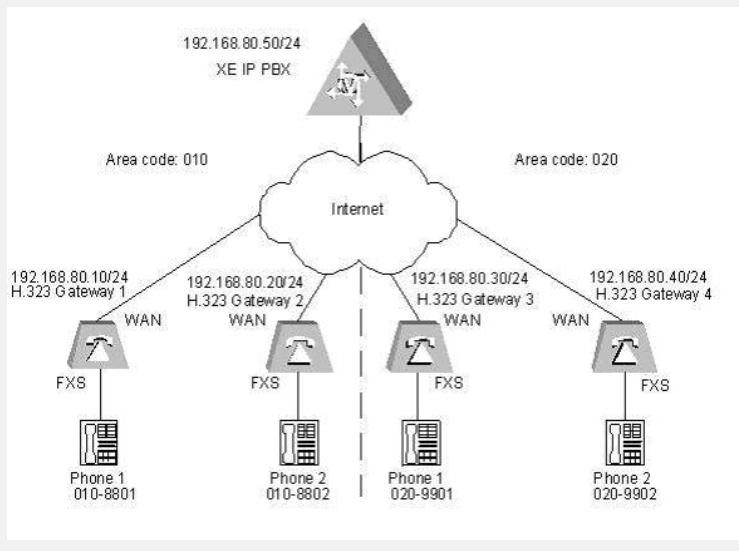


XE200/2000基于地理位置的号码变换功能（使用地区码）的配置

一、组网需求：

为XE 200/2000下的所有用户开通基于地理位置的号码变换功能。

二、组网图：



H.323网守与位置服务器集中式组网图

三、配置步骤：

1. 配置H.323网守

配置以太网接口

```
[XE] interface ethernet 0/0
```

```
[XE-Ethernet0/0] ip address 192.168.80.50 255.255.255.0
```

配置网守

```
[XE] process-server
```

```
[XE-ps] ps-config gkserver interface Ethernet 0/0
```

```
[XE-ps] heartbeat password xe
```

```
[XE-ps] ls-mode 0 local
```

```
[XE-ps] start
```

```
[XE-ps] gatekeeper
```

```
[XE-ps-gk] start
```

2. 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] process-server gkserver
```

```
[XE-ls-ps-gkserver] heartbeat password xe
```

#配置LS的心跳密码#

```
[XE-ls] policy area-code-substitute enable
```

#启用基于地理位置的号码变换功能

配置网关设备

```
[XE-ls] gateway gw01
```

```
[XE-ls-gw-gw01] device-type h323
```

```
[XE-ls-gw-gw01] dynamic-ip enable
```

#允许网关地址动态更新#

```
[XE-ls-gw-gw01] area-code 010
```

为网关gw01下面的所有pots实体增加区号010

```
[XE-ls-gw-gw01] quit
```

```
[XE-ls] gateway gw02
```

```
[XE-ls-gw-gw02] device-type h323
```

```
[XE-ls-gw-gw02] dynamic-ip enable
```

```
[XE-ls-gw-gw02] area-code 010
```

```
# 为网关gw02下面的所有pots实体增加区号010 #
[XE-ls-gw-gw02] quit
[XE-ls] gateway gw03
[XE-ls-gw-gw03] device-type h323
[XE-ls-gw-gw03] dynamic-ip enable
[XE-ls-gw-gw02] area-code 020
#为网关gw03下面的所有pots实体增加区号020 #
[XE-ls-gw-gw03] quit
[XE-ls] gateway gw04
[XE-ls-gw-gw04] device-type h323 #设置gw02为H323类型#
[XE-ls-gw-gw04] dynamic-ip enable
[XE-ls-gw-gw04] area-code 020
#为网关gw04下面的所有pots实体增加区号020#
[XE-ls-gw-gw04] quit
# 启用位置服务器
[XE-ls] start

3. 配置H.323 Gateway 1
# 配置以太网接口
[VG1] interface ethernet 0
[VG1-Ethernet0] ip address 192.168.80.10 255.255.255.0
[VG1-Ethernet0] quit
# 配置语音实体
[VG1] voice-setup
[VG1-voice] dial-program
[VG1-voice-dial] entity 1 voip
[VG1-voice-dial-entity1] address ras
# 配置动态路由策略，GW和GK SERVER通过交互RAS信令，由GK SERVER 动态
返回与被叫号码匹配的对端GW 地址 #
[VG1-voice-dial-entity1] match-template 0.....
[VG1-voice-dial-entity1] quit
[VG1-voice-dial] entity 2 voip
[VG1-voice-dial-entity2] address ras
[VG1-voice-dial-entity2] match-template 88..
[VG1-voice-dial-entity2] 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] gk-client
[VG1-voice-gk] gw-id gw01
[VG1-voice-gk] gw-address ip 192.168.80.10
[VG1-voice-gk] gk-id gkserver gk-addr 192.168.80.50 1719
[VG1-voice-gk] ras-on
#激活GK-Client#

4. 配置H.323 Gateway 2
# 配置以太网接口
[VG2] interface ethernet 0
[VG2-Ethernet0] ip address 192.168.80.20 255.255.255.0
[VG2-Ethernet0] quit
# 配置语音实体
[VG2] voice-setup
[VG2-voice] dial-program
[VG2-voice-dial] entity 1 voip
[VG2-voice-dial-entity1] address ras
[VG2-voice-dial-entity1] match-template 0.....
[VG2-voice-dial-entity1] quit
[VG2-voice-dial] entity 2 voip
[VG2-voice-dial-entity2] address ras
[VG2-voice-dial-entity2] match-template 88..
[VG2-voice-dial-entity2] 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] gk-client
[VG2-voice-gk] gw-id gw02
[VG2-voice-gk] gw-address ip 192.168.80.20
[VG2-voice-gk] gk-id gkserver gk-addr 192.168.80.50 1719
[VG2-voice-gk] ras-on
```

5. 配置H.323 Gateway 3

```
# 配置以太网接口
[VG3] interface ethernet 0
[VG3-Ethernet0] ip address 192.168.80.30 255.255.255.0
[VG3-Ethernet0] quit
# 配置语音实体
[VG3] voice-setup
[VG3-voice] dial-program
[VG3-voice-dial] entity 1 voip
[VG3-voice-dial-entity1] address ras
[VG3-voice-dial-entity1] match-template 0.....
[VG3-voice-dial-entity1] quit
[VG3-voice-dial] entity 2 voip
[VG3-voice-dial-entity2] address ras
[VG3-voice-dial-entity2] match-template 99..
[VG3-voice-dial-entity2] quit
[VG3-voice-dial] entity 9901 pots
[VG3-voice-dial-entity9901] line 0
[VG3-voice-dial-entity9901] match-template 9901
[VG3-voice-dial-entity9901] return
# 配置GK-Client
[VG3-voice] gk-client
[VG3-voice-gk] gw-id gw03
[VG3-voice-gk] gw-address ip 192.168.80.30
[VG3-voice-gk] gk-id gkserver gk-addr 192.168.80.50 1719
[VG3-voice-gk] ras-on
```

6. 配置H.323 Gateway 4

```
# 配置以太网接口
[VG4] interface ethernet 0
[VG4-Ethernet0] ip address 192.168.80.30 255.255.255.0
[VG4-Ethernet0] quit
# 配置语音实体
[VG4] voice-setup
[VG4-voice] dial-program
[VG4-voice-dial] entity 1 voip
[VG4-voice-dial-entity1] address ras
[VG4-voice-dial-entity1] match-template 0.....
[VG4-voice-dial-entity1] quit
[VG4-voice-dial] entity 2 voip
[VG4-voice-dial-entity2] address ras
[VG4-voice-dial-entity2] match-template 99..
[VG4-voice-dial-entity2] quit
[VG4-voice-dial] entity 9902 pots
[VG4-voice-dial-entity9902] line 0
[VG4-voice-dial-entity9902] match-template 9902
[VG4-voice-dial-entity9902] return
# 配置GK-Client
[VG4-voice] gk-client
[VG4-voice-gk] gw-id gw04
[VG3-voice-gk] gw-address ip 192.168.80.40
[VG4-voice-gk] gk-id gkserver gk-addr 192.168.80.50 1719
[VG4-voice-gk] ras-on
```

四、配置关键点：

1.软件版本

VG必须采用VRP180-L0017以上（包含0017）的版本

XE必须采用XE200-VRP330-E0112（包含E0112）的版本

2.配置要点

2.1 启用基于地理位置的号码变换功能
[XE-ls] policy area-code-substitute enable
2.2 为语音网关的POTS实体增加区号