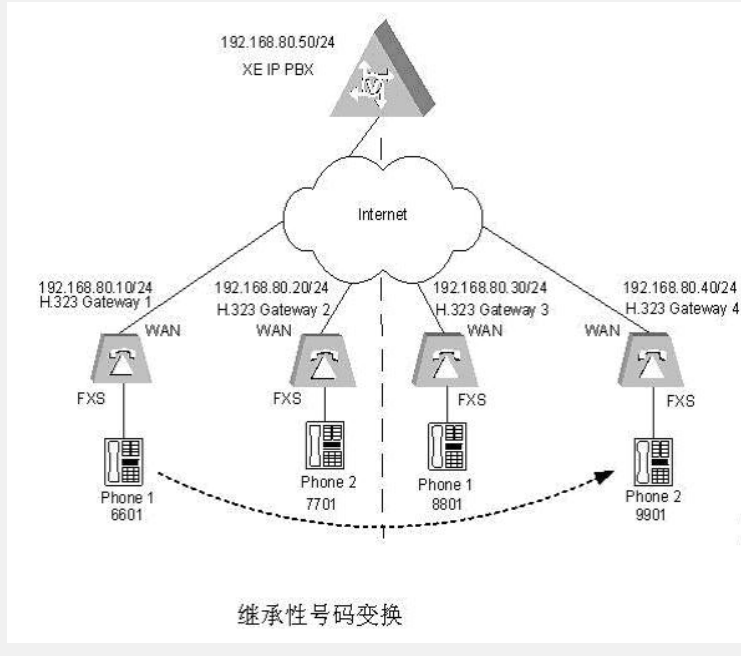


XE200/2000继承性号码变换的配置

一、组网需求:

为GW01下的用户6601起用继承性号码变换业务

二、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
[XE-Ethernet0/0] quit
```

配置网守

```
[XE] process-server
[XE-ps] ps-config gkserver interface Ethernet 0/0
[XE-ps] heartbeat password xe
#配置PS的心跳密码#
[XE-ps] ls-mode 0 local
#指定使用本地位置服务器#
[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
#配置位置服务器的心跳密码#
# 启用基于变换规则的号码变换功能
[XE-ls] policy num-substitute enable
# 启用继承性号码变换功能
[XE-ls] policy substitute-inherit enable
# 创建号码变换规则表
[XE-ls] number-substitute 1
# 创建号码变换规则
[XE-ls-sst-1] rule 0 callee 6601 1000 before
#将呼叫6601转呼到1000上#
```

```

[XE-ls-sst-1] rule 1 callee 1000 9901 before
# 绑定全局下使用的号码变换规则
[XE-ls] substitute 1
# 配置网关设备
[XE-ls] gateway gw01
[XE-ls-gw-gw01] device-type h323
[XE-ls-gw-gw01] dynamic-ip enable
[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] quit
[XE-ls] gateway gw03
[XE-ls-gw-gw03] device-type h323
[XE-ls-gw-gw03] dynamic-ip enable
[XE-ls-gw-gw03] quit
[XE-ls] gateway gw04
[XE-ls-gw-gw04] device-type h323
[XE-ls-gw-gw04] dynamic-ip enable
[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] match-template ....
[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] quit
[VG1-voice-dial] entity 2 voip
[VG1-voice-dial] entity6601 pots
[VG1-voice-dial-entity6601] match-template 6601
[VG1-voice-dial-entity6601] line 0
[VG1-voice-dial-entity6601] 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] match-template ....
[VG2-voice-dial-entity1] address ras
[VG2-voice-dial-entity1] quit
[VG2-voice-dial] entity 7701 pots
[VG2-voice-dial-entity7701] match-template 7701
[VG2-voice-dial-entity7701] line 0
[VG2-voice-dial-entity7701] 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
[VG3-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] match-template ....
[VG3-voice-dial-entity1] address ras
[VG3-voice-dial-entity1] quit
[VG3-voice-dial] entity 8801 pots
[VG3-voice-dial-entity8801] match-template 8801
[VG3-voice-dial-entity8801] line 0
[VG3-voice-dial-entity8801] 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 192.168.80.40 255.255.255.0
[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] match-template ....
[VG4-voice-dial-entity1] address ras
[VG4-voice-dial-entity1] quit
[VG4-voice-dial] entity 9901 pots
[VG4-voice-dial-entity9901] match-template 9901
[VG4-voice-dial-entity9901] line 0
[VG4-voice-dial-entity9901] return
# 配置GK-Client
[VG4-voice] gk-client
[VG4-voice-gk] gw-id gw04
[VG4-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 启用基于变换规则的号码变换功能

```
[XE-ls] policy num-substitute enable
```

2.2 启用继承性号码变换功能

```
[XE-ls] policy substitute-inherit enable
```

2.3 创建号码变换规则

```
[XE-ls-sst-1] rule 0 callee 6601 1000 before
```

```
[XE-ls-sst-1] rule 1 callee 1000 9901 before
```

