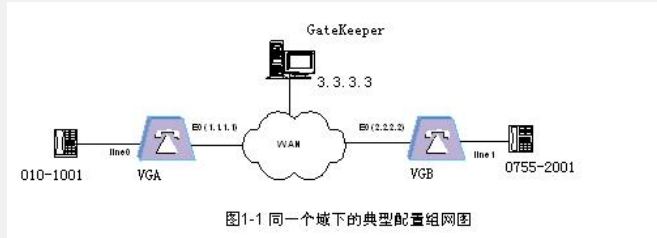


### VG网关GK Client典型配置

#### 一、组网需求:

VG A和VG B经由IP网络进行通话, 借助GK进行电话号码到IP地址的动态解析。

#### 二、组网图:



#### 三、配置步骤:

##### 1. VG A的参数配置

```
# 建立VoIP语音实体。
[VGA] voice-setup
[VGA-voice] dial-program
[VGA-voice-dial] entity 0755 voip
[VGA-voice-dial-entity755] match-template 0755....
[VGA-voice-dial-entity755] address ras
# 建立POTS语音实体。
[VGA-voice-dial-entity755] entity 1001 pots
[VGA-voice-dial-entity1001] match-template 0101001
[VGA-voice-dial-entity1001] line 0
# 配置Ethernet 0接口, 并作为H.323网关接口。
[VGA-voice-dial-entity1001] interface ethernet 0
[VGA-Ethernet0] ip address 1.1.1.1 255.255.255.0
# 进入语音网守视图。
[VGA-Ethernet0] quit
[VGA] voice-setup
[VGA-voice] gk-client
# 配置网关源地址IP、别名, 对应的GK名称和IP地址。
[VGA-voice-gk] gw-address ip 1.1.1.1
[VGA-voice-gk] gw-id vga //与location-server上的gw名称一致
[VGA-voice-gk] gk-id gkserver gk-addr 3.3.3.3 1719 //gk-id对应process-server的名称
[VGA-voice-gk] ras-on
```

##### VG B的参数配置与VG A大体一致

```
# 建立VoIP语音实体。
[VGB] voice-setup
[VGB-voice] dial-program
[VGB-voice-dial] entity 010 voip
[VGB-voice-dial-entity10] match-template 010....
[VGB-voice-dial-entity10] address ras
# 建立POTS语音实体。
[VGB-voice-dial-entity10] entity 2001 pots
[VGB-voice-dial-entity2001] match-template 07552001
[VGB-voice-dial-entity2001] line 1
# 配置Ethernet 0接口, 并作为H.323网关接口。
[VGB-voice-dial-entity2001] interface ethernet 0
[VGB-Ethernet0] ip address 2.2.2.2 255.255.255.0
# 进入语音网守视图。
[VGB-Ethernet0] quit
[VGB] voice-setup
[VGB-voice] gk-client
# 配置网关源地址IP、别名, 对应的GK名称和IP地址。
[VGB-voice-gk] gw-address ip 2.2.2.2
[VGB-voice-gk] gw-id vgb
```

```
[VGB-voice-gk] gk-id gkserver gk-addr 3.3.3.3 1719 //gk-id对应process-server id
```

```
[VGB-voice-gk] ras-on
```

#### **GK的参数配置:**

```
# 配置以太网接口
```

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

```
[XE-Ethernet0/0]ip address 3.3.3.3 255.255.255.0
```

```
# 配置业务处理服务器
```

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

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

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

```
# 启动业务处理服务器的GK功能
```

```
[XE-ps]gate-keeper
```

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

```
# 配置位置服务器
```

```
[XE]location-server
```

```
[XE-ls]ls-config interface Ethernet 0/0 port 13579
```

```
[XE-ls]start
```

```
# 配置位置服务器关联的业务处理服务器
```

```
[XE-ls]process-server gkserver //process-server的名称对应ps-id
```

```
# 配置位置服务器中注册网关的参数
```

```
[XE-ls]gate-way vga //gw-id (vga) 对应语音网关上的gw-id
```

```
[XE-ls-gw-vga]dynamic-ip enable //动态注册
```

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

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

```
[XE-ls]gate-way vgb //gw-id (vga) 对应语音网关上的gw-id
```

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

```
[XE-ls-gw-vgb]dynamic-ip enable //动态注册
```

#### **四、配置关键点:**

注意语音网关 (VG) 和注册服务器 (GK) 之间对应的参数一致 (包括gw-id、gk-id等等)。上述示例中采用的是语音网关动态注册。如果是静态注册, 则需要如下配置:

```
[XE-ls] gate-way vga
```

```
[XE-ls-gw-vga] ip-address 1.1.1.1
```

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

```
[XE-ls-gw-vga] port 1719
```

常用的排错命令:

VG:

```
display voice gateway          显示网关注册信息
```

```
debug voice ras event          查看RAS信令交互的调试信息
```

XE:

```
display process-server location-server status 查看业务处理器和位置服务器的心跳连接
```

```
display location-server gateway all/gw-id 查看XE上所有/某一个网关的注册情况
```