Application Note: AN-005

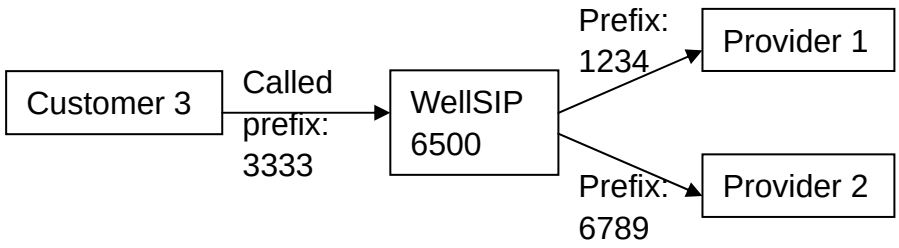
Using WellSIP 6500 as an Internet Exchange Center

Target Objective:

Use WellSIP 6500 to act as an Internet Exchange Service Center switch which allows each gateway or proxy account to match the incoming prefix, add/remove outgoing prefix. All of these parameters are configured by WellSIP 6500 easy web GUI.

Recommendations:

We will take an example for this recommendation. The assumed environment is show as follows:



Customer 3: We are giving the customer 3 a prefix match 3333
Provider 1: Provider 1 is asking we need send prefix code 1234 (preferred)
Provider 2: Provider 2 is asking we need send prefix code 6789
Customer 3 will send 333300xxxxxxx as an example

When a call is coming from customer 3 with called number 3333-886282265699, WellSIP 6500 will validate the prefix 3333 and remove it. If the final routing decision is through Provider 1, the called number will become 1234-886282265699. If it is go to Provider 2, the called number will become 6789-886282265699.

WellSIP 6500 Settings:

For Customer 3:

a) Create a new subscriber. The TEL NO is 1001, the Device Type is Gateway, the Register Type is Predefine and the Predefine URI is an IP (e.g. sip:1001@Gateway_IP:Port). Display as figure 1-1:

Figure 1-1

2. Please click the **Service** button, check “Matched Prefix” and set Matched Prefix to 3333 for Incoming Call as follows:

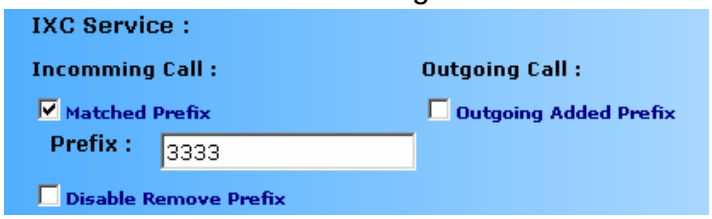


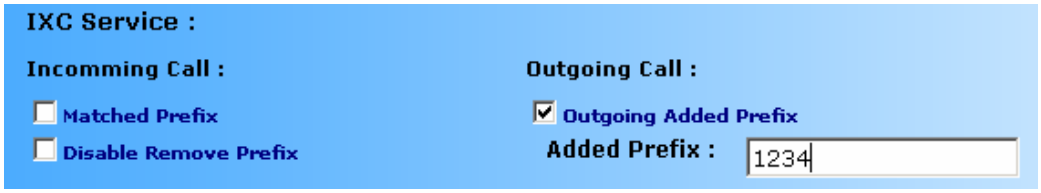
Figure 1-2

For Service Provider 1: (preferred route)

1. Create a new subscriber. The TEL NO is 2001, the Device Type is Gateway, the Register Type is Predefine and the Predefine URI is an IP (e.g. sip:2001@Gateway_IP:Port). Display as figure 1-3:

Figure1-3

2. Please click the **Service** button, check the Outgoing Added Prefix and set the Added Prefix to 1234:



For Service Provider 2: (low priority routing)

3. Create a new subscriber. The TEL NO is 2002, the Device Type is Gateway, the Register Type is Predefine and the Predefine URI is an IP (e.g. sip:2002@Gateway_IP:Port). Display as figure 1-4:

Figure1-4

4. Please click the **Service** button, check the Outgoing Added Prefix and set the Added Prefix to 6789:

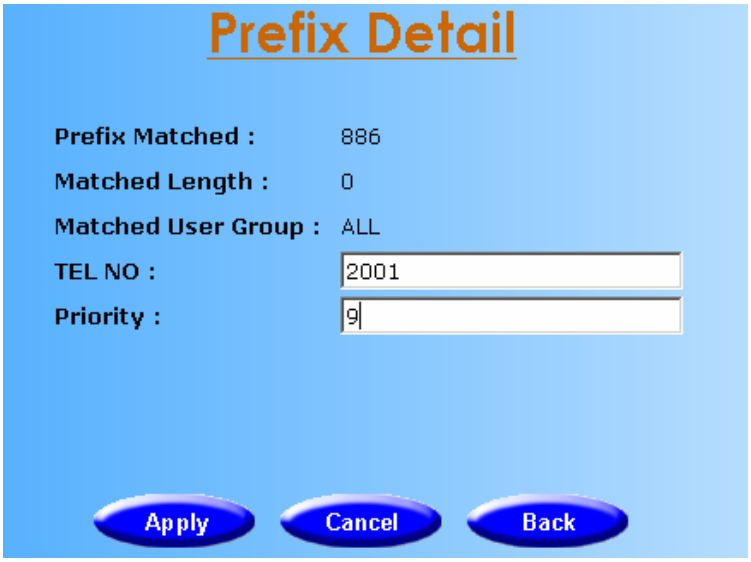
For Routing Policy:

1. Create a priority Prefix Routing for 886 as follows:

Figure 1-5

2. Create a prefix route list. Click Prefix Routing>Detail>New, you need to add the following routing detail:

   - 2001 with priority 9



   - 2002 with priority 8


Prefix Detail
Prefix Matched : 886
Matched Length : 0
Matched User Group : ALL
TEL NO : 2002
Priority : 8
Apply
Cancel
Back