

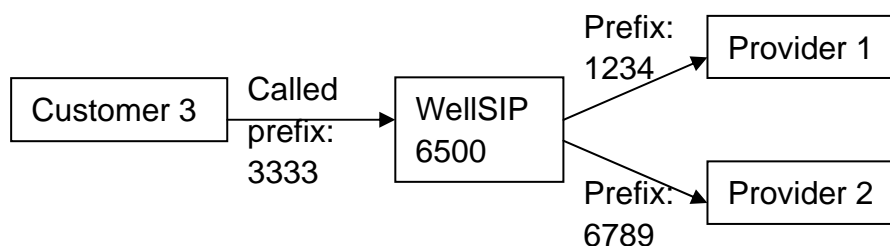
Using WellSIP 6500 as an Internet Exchange Center

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:

Create Subscriber

Active Mode : Active InActive

TEL NO : User Account :

User Password : Web Password :

User Group : Authentication Mode :

DNIS Screening Group : Call Authorization Mode :

Emergency Group : Caller ID Mode :

Device Type : Hunting Method :

Preferred RTP Group : Register Type :

RTP Proxy : Predefine URI 1: En sip:1001@10.1.1.211:

NAT Group : Predefine URI 2: En

Max Register Time : Max NAT Register Time :

First Reponse Time : No Answer Timer :

Max Contact Allowed : Pickup Group :

Device 1 : Device 2 :

Max Concurrent Call: Call Validation :

Over Max Contact Rule : AAA Sending Stage :

Effective Period

Remove Tag For Cancel

Disallow register from NAT

Figure 1-1

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

IXC Service :

Incomming Call : Matched Prefix Outgoing Added Prefix

Prefix :

Disable Remove Prefix

Figure 1-2

For Service Provider 1: (preferred route)

- 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:

Create Subscriber

Active Mode : Active InActive

TEL NO : User Account :

User Password : Web Password :

User Group : Authentication Mode :

DNIS Screening Group : Call Authorization Mode :

Emergency Group : Caller ID Mode :

Device Type : Hunting Method :

Preferred RTP Group : Register Type :

RTP Proxy : Predefine URI 1: En sip:2001@10.1.1.212:

NAT Group : Predefine URI 2: En

Max Register Time : Max NAT Register Time :

First Reponse Time : No Answer Timer :

Max Contact Allowed : Pickup Group :

Device 1 : Device 2 :

Max Concurrent Call: Call Validation :

Over Max Contact Rule : AAA Sending Stage :

Effective Period

Remove Tag For Cancel

Disallow register from NAT

Figure1-3

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

IXC Service :

Incomming Call :	Outgoing Call :
<input type="checkbox"/> Matched Prefix	<input checked="" type="checkbox"/> Outgoing Added Prefix
<input type="checkbox"/> Disable Remove Prefix	Added Prefix : <input type="text" value="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:

Create Subscriber

Active Mode : Active InActive

TEL NO : **User Account :**

User Password : **Web Password :**

User Group : **Authentication Mode :**

DNIS Screening Group : **Call Authorization Mode :**

Emergency Group : **Caller ID Mode :**

Device Type : **Hunting Method :**

Preferred RTP Group : **Register Type :**

RTP Proxy : **Predefine URI 1 :** En sip:2002@10.1.1.213:

NAT Group : **Predefine URI 2 :** En

Max Register Time : **Max NAT Register Time :**

First Reponse Time : **No Answer Timer :**

Max Contact Allowed : **Pickup Group :**

Device 1 : **Device 2 :**

Max Concurrent Call : **Call Validation :**

Over Max Contact Rule : **AAA Sending Stage :**

Effective Period

Remove Tag For Cancel

Disallow register from NAT

Figure1-4

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

IXC Service :

Incomming Call :	Outgoing Call :
<input type="checkbox"/> Matched Prefix	<input checked="" type="checkbox"/> Outgoing Added Prefix
<input type="checkbox"/> Disable Remove Prefix	Added Prefix : <input type="text" value="6789"/>

For Routing Policy:

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

Create Prefix Route Group

Prefix Matched :	<input type="text" value="886"/>
Description :	<input type="text" value="to provider 1"/>
Matched Length :	<input type="text" value="0"/>
Matched User Group :	<input type="text" value="ALL"/>
Hunting Method :	<input type="text" value="Priority"/>
No Answer Time Out :	<input type="text" value="0"/>
First Response Time Out :	<input type="text" value="0"/>
Remove Prefix :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
RADIUS Authorization Resend :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable

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

Prefix Detail

Prefix Matched :	886
Matched Length :	0
Matched User Group :	ALL
TEL NO :	<input type="text" value="2001"/>
Priority :	<input type="text" value="9"/>

- 2002 with priority 8

Prefix Detail

Prefix Matched : 886

Matched Length : 0

Matched User Group : ALL

TEL NO :

Priority :

Apply

Cancel

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