

# Auto Provision Server

## User Manual

# Chapter 1 -- Hardware and Software

## 1-1. Hardware requirement

	Min hardware require	Default hardware
Central Processor Unit	Pentium 4 1.0 GHz above	Intel Celeron 2.4 GHz
RAM	256 MB	512 MB
HDD	80 GB	80 GB
Network	10Base-T/100Base-T (10/100 Mbps)	10Base-T/100Base-T (10/100 Mbps)
CDROM	52x CDROM	52x CDROM

## 1-2. software requirement

OS : Linux

WWW : Apache

DataBase : My SQL

Webmin

JAVA : MyJS

SNTP

## 1-3. Authorized management quantities of ITA. (VoIP device)

Basic version 500 pcs ITA

## Chapter 2 – How to use and manage provision server

### 2-1 Basic Operation:

For managing a large number of VoIP device efficiently, the provision server store different configuration and different firmware which allow VoIP device to download automatically.

Provision server provides more convenient manage method to remote and update the VoIP device instantly.

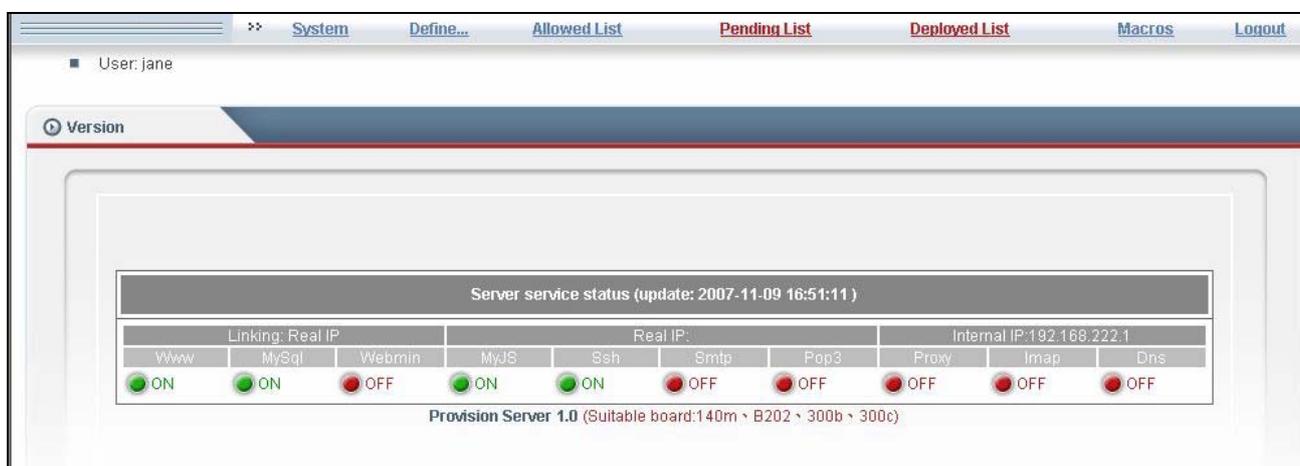
Also solved the problem that VoIP device behind the DHCP server(internal IP)

### 2-1 . Login:

Use IE Browser, fill in the username and password to login the management system.

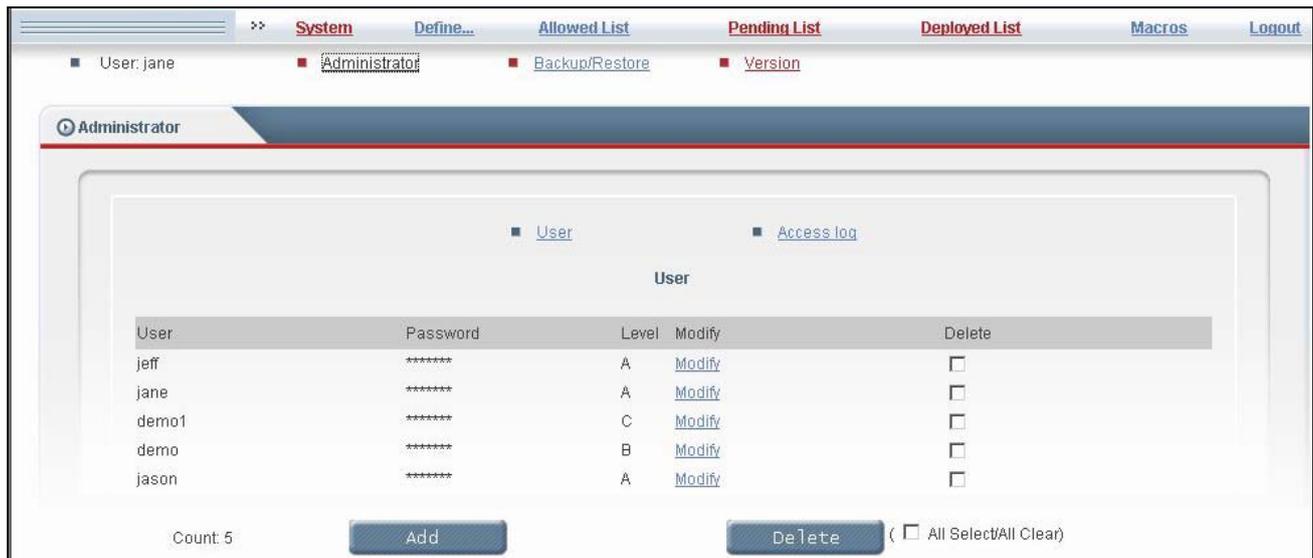


After you login successfully, you will see each server component monitoring page, or you can click “System” to see this page.



Administrator management:

Click → System→Administrato→User , here you can edit or delete the user.



The administration system separate to 3 levels:

You have to type the correct username and password for entering.

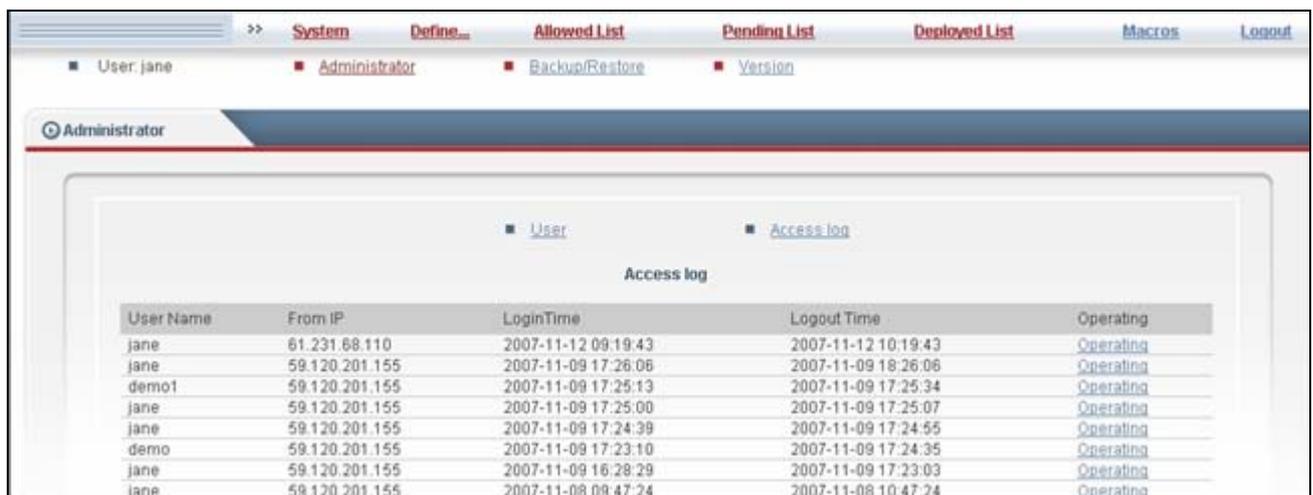
A : All

B : Only Modify Password /Pending List/Deployed List/Modify Firmware

C : Only Modify Password /Pending List/Deployed List/Modify Firmware , but in the GW list, only shows his own Group, a C level account can manage many Group

## 2-2 Access log:

Click Administrator/Access log , you can check the log history.



Click the Operating in the right, you can see more details about each log file.

System Define... Allowed List Pending List Deployed List Macros Logout

User: jane Administrator Backup/Restore Version

Back Print

Operating Report

User Name	From IP	LoginTime	Logout Time
jane	61.231.68.110	2007-11-12 09:19:43	2007-11-12 10:19:43
2007-11-12 09:35:04	Pending List		
2007-11-12 09:35:10	Allowed List-Edit		
2007-11-12 09:35:13	Deployed List		
2007-11-12 09:39:56	Pending List		
2007-11-12 09:40:09	Pending List-Authorization MAC:0002edbeef66-Profile:fxs-Group:aaa-Partner ID:-File:-Section:-Parameter-Value:		
2007-11-12 09:40:30	Deployed List		
2007-11-12 09:41:35	Deployed List		
2007-11-12 15:32:37	System-Administrator		
2007-11-12 15:32:41	System-Administrator-Access log		
2007-11-12 15:33:09	System-Administrator-Access log-Access log		

3. **Logout** : by Click Logout, you will see the message as following,

Logout  
 You have logout the Provision server.  
[Login again](#)

**4. System Backup and Restore:**

Click→ System → Backup → Restore, into the page below to do “Download” and “Restore”

Backup/Restore					
Time	Content	Remark	Download	Restore	Delete
2007-11-12 16:53:23	Define&Allowed List&Macros	edu	<a href="#">Download</a>	<a href="#">Restore</a>	<input type="checkbox"/>

(Count: 1 ) [Delete](#) (  All select/Do not select completely)

Display: 20 record number Page: 1

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Backup Define&Allowed List&Macros Remark :  [Backup](#)

Define&Allowed List&Macros  
Define  
Allowed List  
Macros

---

Restore  [浏览...](#) (Maximum:38M) [Restore](#)

**Backup :**

You can choose 3 different type of backup method depending on your need :

Define& Allowed List& Macros : Backup all contents.

Define : Backup the system file.

Allowed List : Backup the configuration of those managed by Provison server.

Macros : Backup the Macros.

Downloaded files will be stored in Provison Server, you can also download files to your computer.

**Restore :**

Select the file that you need to restore, click [ Restore] to upload file.

**5. Server service status / version :**

Click → System → Version, you can see the internal application software, database, server and monitor the working status of this provision server.

the application software of this provision server :

Linux OS

WWW: Apach

Data base: MySQL

Webmin

Java: MyJS

SNTP

System Define... Allowed List Pending List Deployed List Macros Logout

User: jane Administrator Backup/Restore Version

Version

Server service status (update: 2007-11-12 17:09:06 )

Linking: Real IP			Real IP:				Internal IP:192.168.222.1			
Www	MySql	Webmin	MyJS	Ssh	SmtP	Pop3	Proxy	Imap	Dns	
ON	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	

Logo :  浏览... (SIZE:169 X 55 pixel)

[Up To ad](#)

Provision Server 1.0 (Suitable board:140m \* B202 \* 300b \* 300c)

### 6. Define the model name :

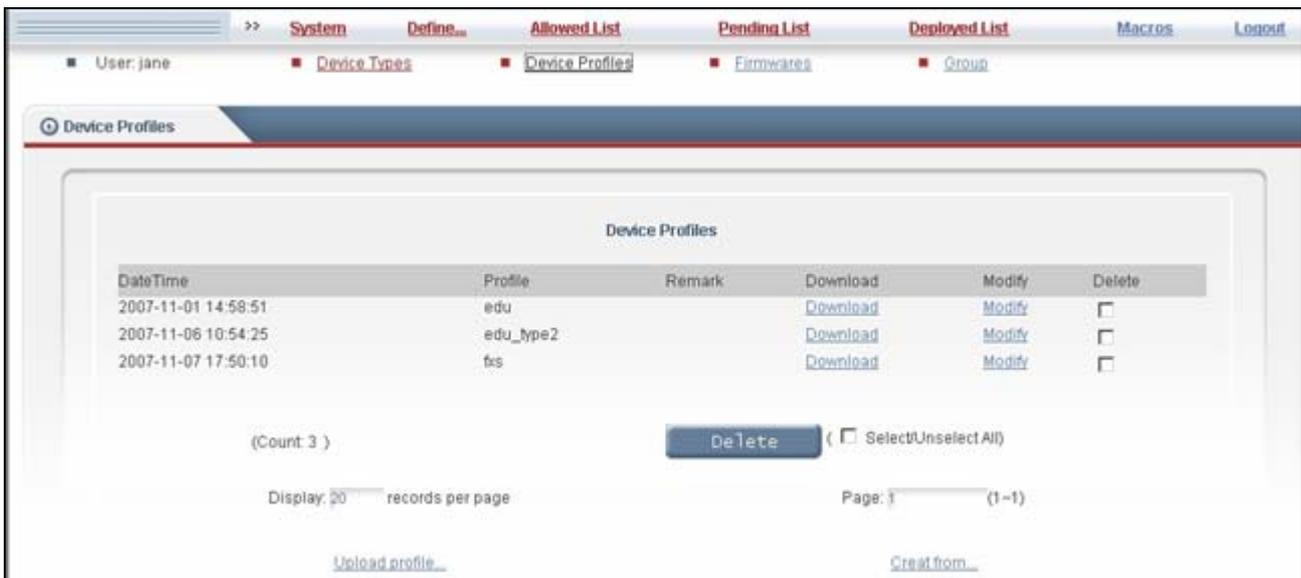
The default model name in this server is IPPhone · 300 · 111 series · you can define your own model name here by click → Define → Device Types



### 7. Upload device profile :

For building your own VoIP devices network efficiently, you can make a common profile which includes the call out route, call in route, register info, and other configuration.

This profile will be the main setup file when you want to install each of your VoIP box, before start to do that , upload this profile to → Define... → Device Profiles



Upload: C:\Documents and Settings\瀏覽... (zip or tar.gz or tar or tgz)

Model name: reset

Remark:

Upload Back

Make a profile easily by one VoIP device :

You only need to setup a VoIP device as a sample by → “Creat from”, that can help you to make a profile instantly.

Input GW IP: VoIP device IP address (the sample)

Input GW Port: 80port (default)

Input GW User: The username of login to VoIP device

Input GW Password: The password of login to VoIP device

Input GW TimeOut: waiting time for how long that no response form VoIP device.

Model name

Input GW IP: 59.118.169.50 [Edit](#)

Input GW Port: 80

Input GW User: voip

Input GW Password: ●●●●

Input GW TimeOut: 5

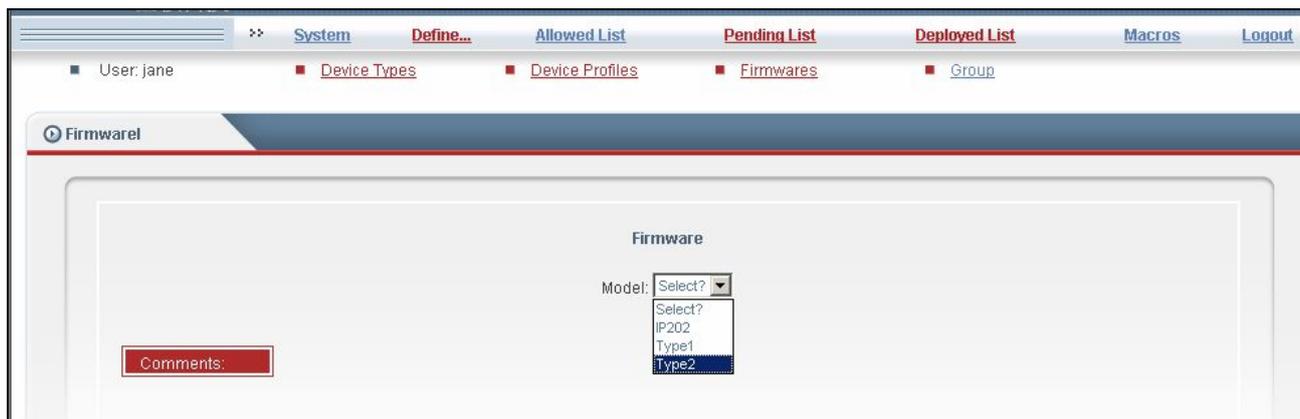
Model name: test

Remark:

Upload Back

### 8. Firmware version management

→ Define → Firmwares, you can upload and download different models and different version of firmware, prepare this for next time VoIP devices connect to update automatically.



### 9. Upload the different parameters as Excel CSV file

In → Allowed List → Upload, you can upload different parameter list of VoIP device in this page, ( common parameters please set on profile ) , the parameters please edit as Excel CSV file, [Upload] this CSV file when ready.



When the upload finished, the uploaded data will list as following for you to check.

Upload						
MAC	Model	Profile	Group	Phone	Email	Remark
0002edbeef66	300b	fxs	aaa			
00024657e06c	300b	fxs	aaa			
000246580022	300b	fxs	aaa			
000246575438	300b	fxs	aaa			

The system will build a subdirectory to store the parameter files after the upload done. When there is a VoIP device which matched the MAC address and IP address to list connect to Provision server and ask to execute provision, the parameter files in this list will be allowed to download to device.

**10. Edit the parameter file:**

You can browse, edit, modify the parameter file by IE browser, → Allowed List → Edit, find the VoIP device with MAC address or IP address, list the content of parameter.

Edit

Mac:

Account NO:

Model:       Group:

MAC	Model	Profile	Group	Phone	Email	Remark	Modify	Delete
0002edbeef66	300b	fxs	aaa				<a href="#">Modify</a>	<input type="checkbox"/>
00024657e06c	300b	fxs	aaa				<a href="#">Modify</a>	<input type="checkbox"/>
000246580022	300b	fxs	aaa				<a href="#">Modify</a>	<input type="checkbox"/>
000246575438	300b	fxs	aaa				<a href="#">Modify</a>	<input type="checkbox"/>

(Count: 4 ) (All select/Do not select completely)

Click [Modify] to edit the content.

Mac: 0002edbeef66

Model:

Profile:

Group:

User name:

Address:

Phone:

Email:

Remark:

300b

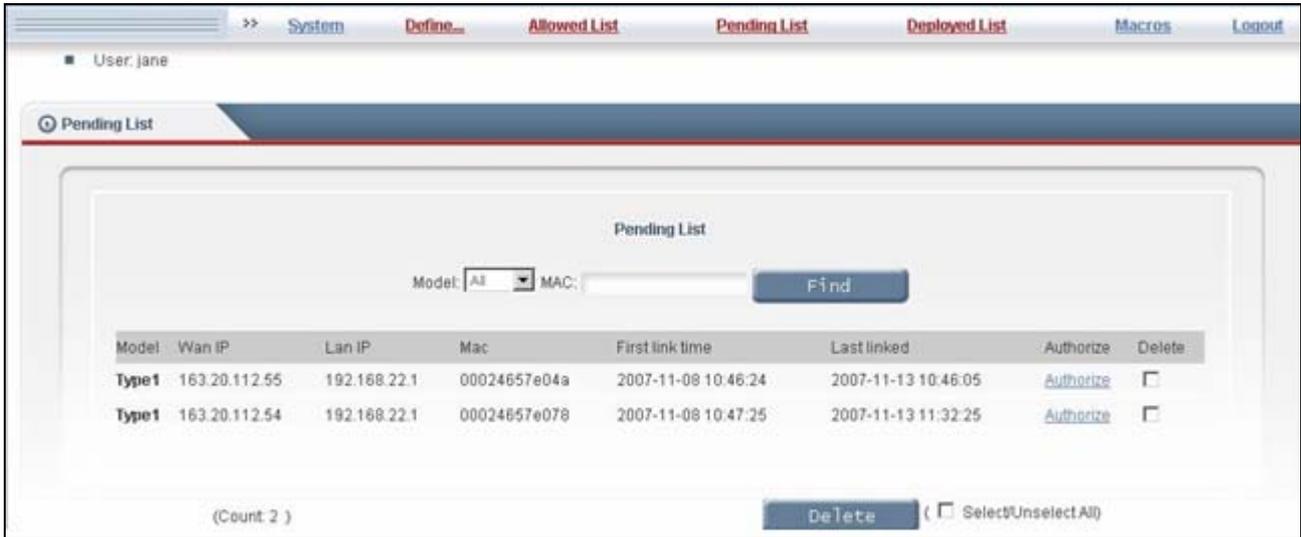
(fxs)

(aaa)

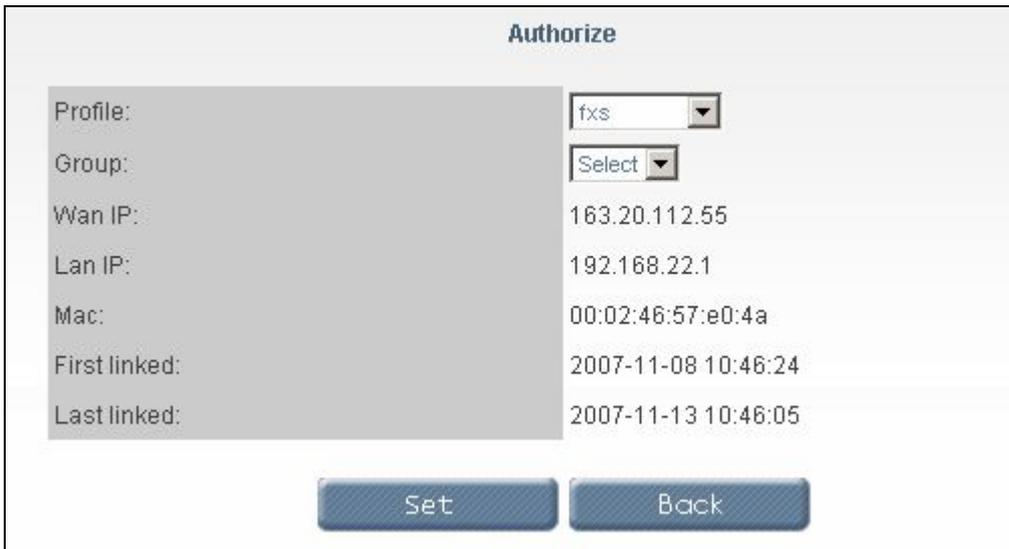
File	Section	Parameters	Value	Remark
<input type="text" value="rs1.ini"/>	<input type="text" value="c"/>	<input type="text" value="ed"/>	<input type="text" value="1"/>	<input type="text"/>
<input type="text" value="rs1.ini"/>	<input type="text" value="c"/>	<input type="text" value="nu1"/>	<input type="text" value="77201111"/>	<input type="text"/>
<input type="text" value="rs1.ini"/>	<input type="text" value="c"/>	<input type="text" value="pw1"/>	<input type="text" value="*****"/>	<input type="text"/>
<input type="text" value="rs1.ini"/>	<input type="text" value="c"/>	<input type="text" value="ac1"/>	<input type="text" value="77201111"/>	<input type="text"/>

### 11. pending list (devices which not been authorized) :

When a VoIP device which its IP address or MAC address not been included in the parameter list come to ask the parameter content, provision server will not allow and put this device to Pending list , and also list the model name, IP, MAC, first link time and last linked :



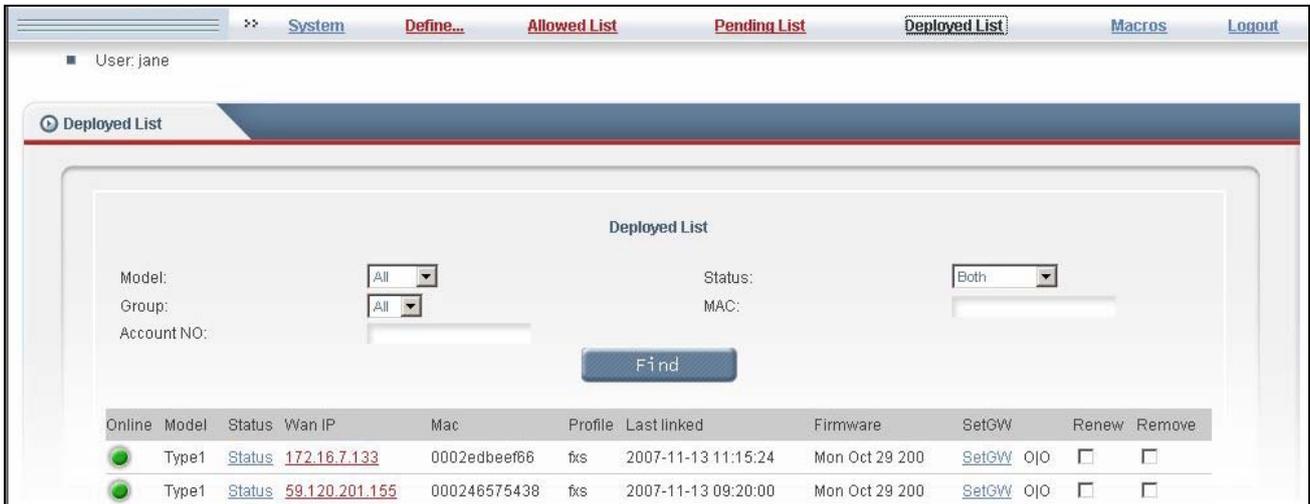
If you allow this unauthorized device get the permission to ask and download the parameter file, you can click [Authorize], and start to do the basic configuration of this device.



Just assign the corresponding profile and group, this device will be moved to deployed list.

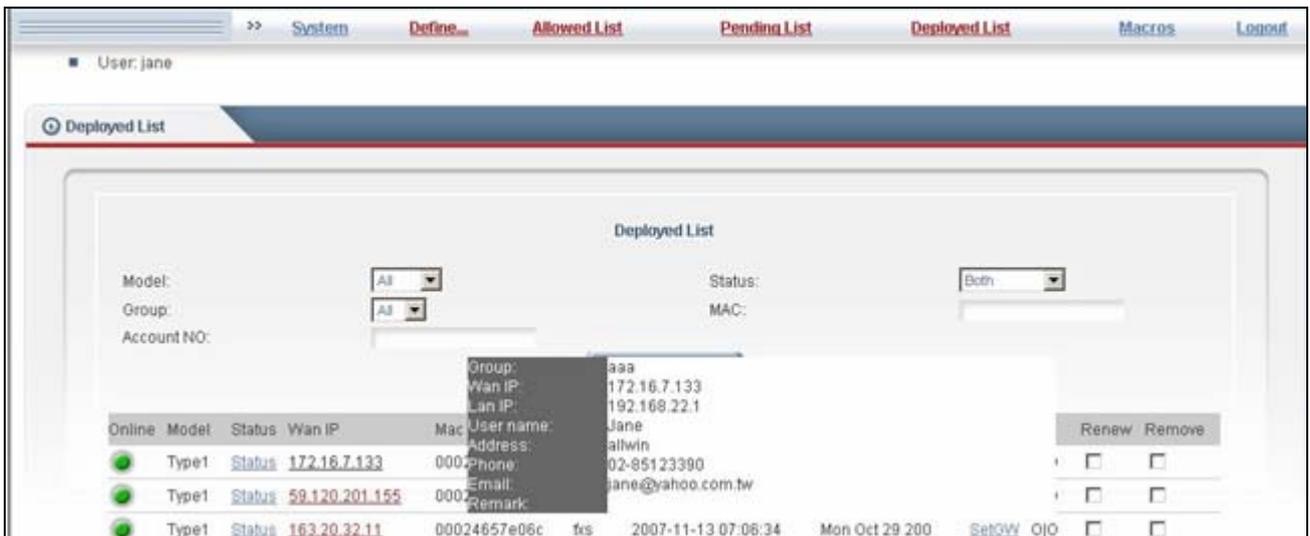
### 12. Deployed List :

In Deployed List, that will list all VoIP devices which has been confirmed and got the permission to ask for download data, files from provision server. This page shows device status, model name, register status, WAN IP, MAC, parameter file, last linked time, firmware version, and synchronized status. :



You can remove any device in this page by click [Remove], also you can get the newest parameter file by click [Renew].

For more detail information about the device, just move the cursor to WAN IP of the device, there will show the pop-up info as following.



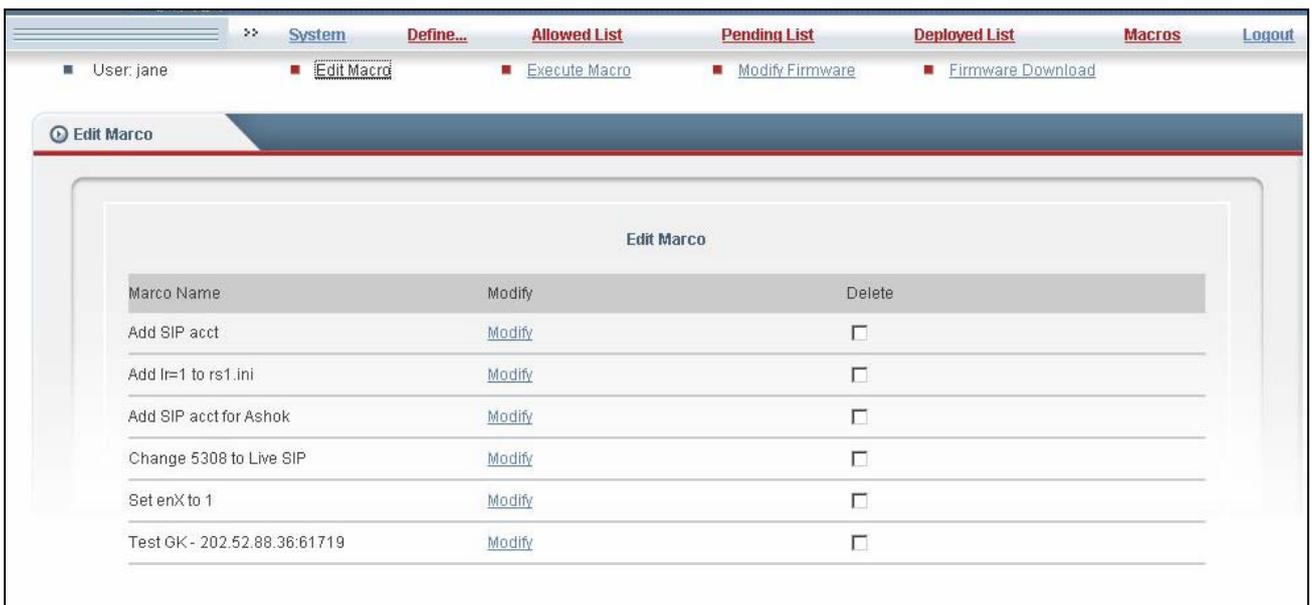
If the VoIP device had been synchronized before, the column of [Online] will show green light, otherwise will be red light. But if you want to modify the content of parameter in provision server, you only need to click [SetGW] for entering each setup page of parameter to modify.



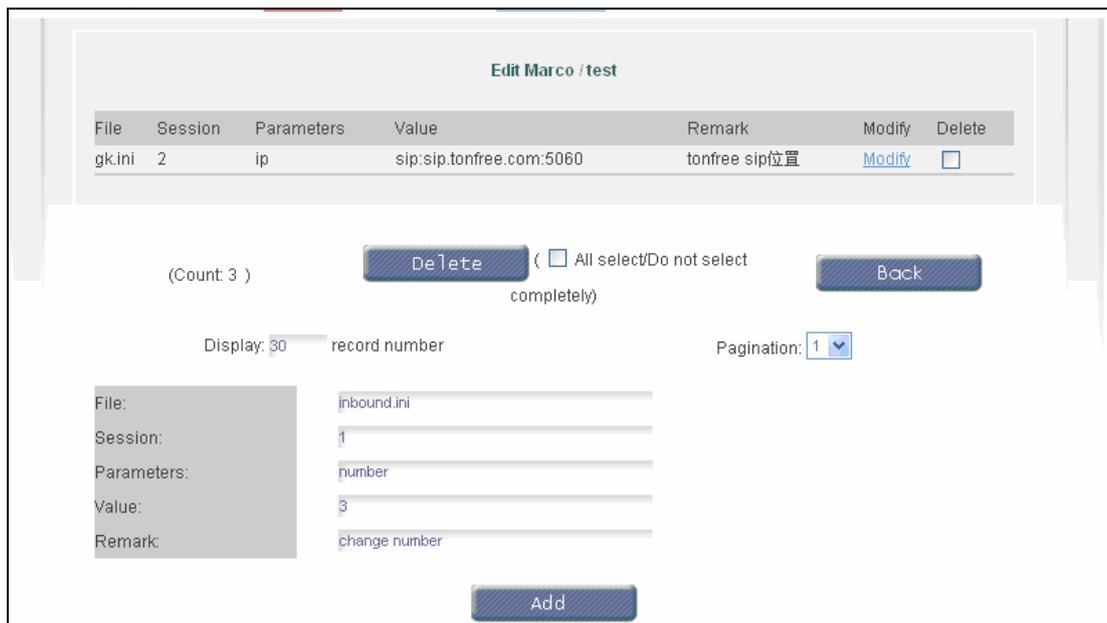
In this setup page, you can modify the parameter content of this type of device, save modification when it done, next time when the devices connect to provision server, they will synchronize to the newest data.

### 13. Edit Macro :

If you want to modify the parameter content of all devices which already has been deployed or part of them, you can add a [Macro] by → Macros → Edit Macro, just name the Macro, and click [Add].

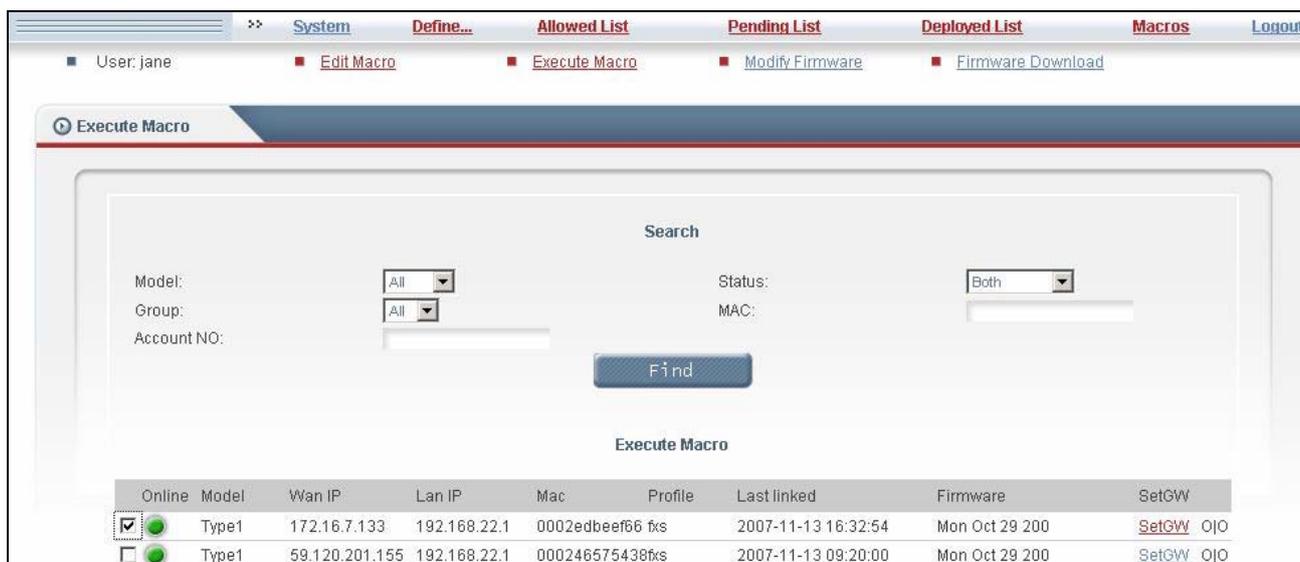


Add each parater content after the Macro has been added.



**14. Execute Macro :**

if you need to modify any one or any group or all decives which already has been deployed with Macro file, you can select by model name, group, MAC address. (→ Macros → Execute Macro)



Choose the device you need to modify and select the Macro.

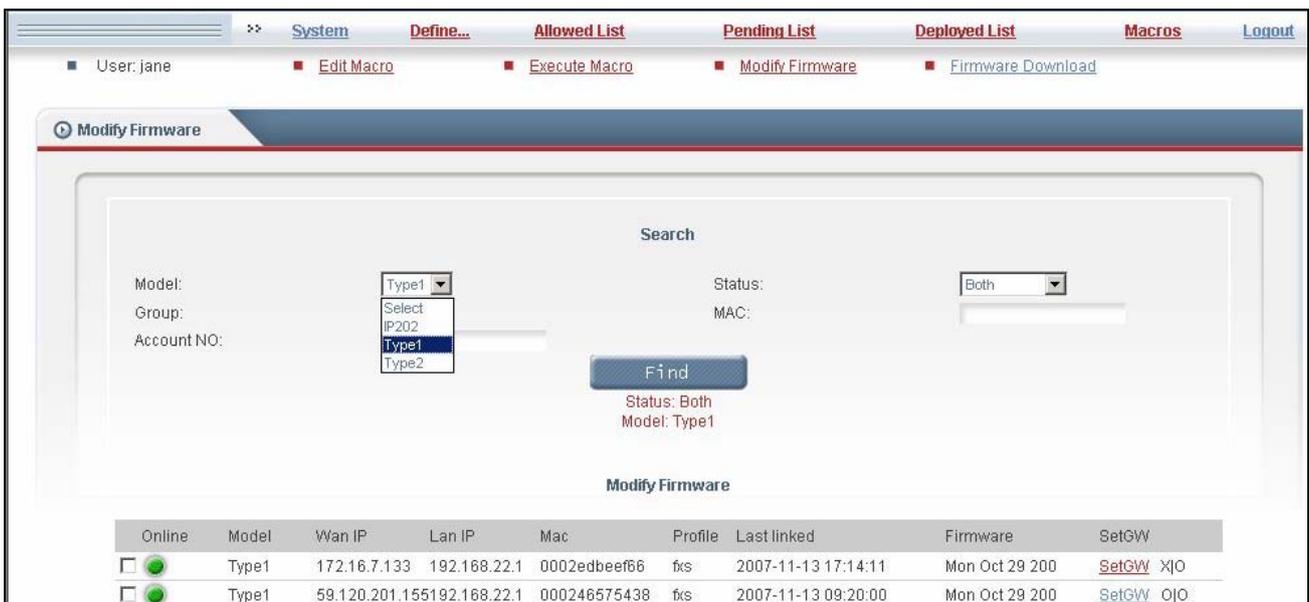


Then server will list the device which will be modified.



## 15. Update firmware:

if you need to update any one or any group or all decives which already has been deployed, you can select by model name, group, MAC address. (→ Macros → Modify Firmware)



Choose the device you need to update, click [Set], and select the version of firmware.



Then the server will list the devices which will be updated, next time when the device connect provision server, it will check if there is new firmware can be updated.

### 16. Provision Server list :

→Global Setting → Server list, you can set the IP address of provision server at least 5 set, when there is a change, as long as the VoIP device can connect to any one of these provision server, the update list will be renew.



### Interval time for Client link to Provision Server:

In this item, you can set the auto renew period, less time will faster the update cycle, but it will also occupy more bandwidth.