Asterisk Billing Solution

AsterBilling User Operating Manual

0.095 beta

(Unrevised)

Sonicwell Tech Ltd,co

Available version: asterBilling 0.095

Data:Dec,2008

CATALOGUE

FOREWARD

About this manual

This manual is focused on showing the installation, usage and configuration of the asterBilling system.

Audience

This is a manual for franchiser, administrators or technical engineer engaging in configuration and management for asterBilling system

OVERVIEW

About asterBilling

asterBilling is a software for real-time billing, which is applied to the solution for concentrated callshop or enterprise-class IP PBX billings.

Functionality/Feature of asterBilling

1. It can be billing for any system based on asterisk.
2. Real-time billing
3. It sets supported on prepaid and postpaid
4. It can support that the number of the call concurrence is 240 at most
5. Telphone set locked/unlocked
6. Credit limit for Telephone set/Callshop/Distributor
7. Multi callshop is supported by single system
8. Multi-Distributor is supported by single system
9. It can set the rate according to every user/callshop/Distributors
10. It can support dial-back with credit limit (ani billing/ billing/two-way billing)
11. It can support billing for 3-class: distributor

billing/callshop billing/user billing

12. There are 4 types of user-level:
    Manager/Reseller/Callshop/Operator
13. It can import/export the rate by online
14. It can terminate the call compulsively
15. The source code of web application is open, which is convenient to customize UI and proceed to develop the system secondly
16. Incoming computing
17. Network layout
18. Call message query
19. 5-tunnel free permission
20. Prepaid message record
21. It provides that the agi scripts for prepaid card or interior pbx billings
22. Extension billings separately
23. Extension can enquiry call registers after signing in the system
24. Multi-language support(including Chinese and English)

INSTALLATION

1. Run the fast installation process by the scripts of installation: install.sh.

Create the database in mysql (asterBilling should run on mysql 4.1 or later)

Suppose the root directory of web as */var/www/html/.*

Create the database firstly:

mysqladmin -uyourmysqluser -pyourmysqlpasswd create astercc

setup "install.sh" as the executed rights(the script lies in the root directory of astercc by default):

cd astercc

chmod +x ./install.sh

run the installation scripts:

./install.sh

Entering the installation wizard:

Please enter database information

database host(default localhost):

setup database host, localhost by default

database port(default 3306):

setup database port, 3306 by default

database name(default astercc):

setup database name, astercc by default

database user name(default root):

setup database user name, root by default *database user password(default null):passw0rd*

setup database user password

database bin path(default /usr/bin):

setup the directory of mysql, /usr/bin by default

Please enter the Asterisk infomation:

Asterisk Host(default 127.0.0.1):

Setup Asterisk host， 127.0.0.1 by default

Asterisk Manager API port(default 5038):

Setup the AMI port of Asterisk,5038 by default

AMI User name:

AMI User password:

Please enter main html directory for astercc

Are you want to auto start astercc daemon when system startup?

Must be redhat-release system

"Press 'y' to auto start

Setup whether loading astercc when the initial of system, input Y as Yes

Are you want to start astercc daemon now?

"Press 'y' to start:"

Setup whether the daemon will be started, input Y as YES

2. The manual installation wizard of asterBilling

1. Download the source package of asterCC from astercc.org, extract it and move to your directory of your web service

cd /usr/src

wget http://astercc.org/download/astercc-0.1-beta.zip

unzip astercc-0.1-beta.zip

mv ./ astercc-0.1-beta /var/www/html/asterCC

It strongly recommend that the directory “scripts” should be moved to the higher-level security place, such as /opt , and please don’t put it under the web directory(it will be shown in next steps)。

2. *Create a directory, and move* scripts to the directory

In 0.1 beta version , there are serval of daemons for asterBilling in the directory “scripts”

- astercc will be applied to acquire the detail of calling message from asterisk and some information about extensions
- asterrc is a process for real-time billing in call according to the table of rate.
- astercclock will control the extensions’ right according to call charge credit limit.

In the directory “scripts”, there is some tools as follows:

- *asterccd: Control some process related to asterCC to start, stop, status check(you can edit the script, and assign the process it controls)*
- *asterccdaemon:a “watchdog” process, which will make a real time check on all the process related to asterCC and which will restart those if it is suspended(if it will be started by asterccd, the checking process is the same as the process controlled by asterccd)*

```
mkdir -p /opt/asterisk/scripts/astercc
mv /var/www/html/asterCC/scripts/*  /opt/asterisk/scripts/astercc
chmod +x /opt/asterisk/scripts/astercc/*
```

3. create mysql database, and asterCC is required to run on mysql 4.1 or later

```
mysqladmin -uyourmysqluser -pyourmysqlpasswd create astercc
mysql -uyourmysqluser -pyourmysqlpasswd astercrm </var/www/html/
asterCC/sql/astercc.sql
```

we create the database named "astercc" in this document, but you can name the database as any name you like

4. setup manager.conf in asterisk, with creating a user that can connect AMT for asterCRM

```
vi /etc/asterisk/manager.conf
```

```
[general]
enabled = yes
port = 5038
bindaddr = 0.0.0.0
;displayconnects = yes

;According to your requirement, you can modify several rows as belows
[asterccdaemon]
secret = myasterccdaemon
read = system,call,log,verbose,command,agent,user
write = system,call,log,verbose,command,agent,user
deny=0.0.0.0/0.0.0.0
; only allow local access, if you want to run asterCRM on another server
```

; use your asterBilling ip to replace 127.0.0.1 or add a new line

permit=127.0.0.1/255.255.255.0

5. Setup the parameters on asrerbilling.conf.php according to your situation

The key point is setting a correct database connection string, and you can log into the system correctly by web pages after that.

6. Startup asterisk and the process you need

Setup the correct parameters for /opt/asterisk/scripts/astercc/astercc.conf

Start test astercc *Note: After “debug =1” will be set up in astercc.conf ,the screen will show the information as follows*

/opt/asterisk/scripts/astercc/astercc

If the message shows as follows:

“Connecting to mysql database on 127.0.0.1:

Database connection successful.

Connecting to asterisk on 127.0.0.1 port 5038:

Asterisk socket connection successful.

Check asterisk username & secret:

Success

Monitor Start:

…(some log message)…”

Congratulations, your “astercc” has already run normally, press ctrl + c to escape the process running;

If the screen shows errors, please check your configuration for database/AMT on astercc.conf.

Startup daemon as follows:

/opt/asterisk/scripts/astercc/astercc –d

/opt/asterisk/scripts/astercc/astercctools –d

or startup all the process by the command as follows:

/opt/asterisk/scripts/astercc/asterccd start

Configure your process of astercc with your system autostart:

prompt: This action is only applied to redhat-release system.

cp /opt/asterisk/scripts/astercc/asterccd /etc/rc.d/init.d

chmod 755 /etc/rc.d/init.d/asterccd

chkconfig --add asterccd

advice: set your asrercc restart once a day，which is not necessary，But it is good to improve the performance of your astercc.

crontab -e

Add the row as follows:

0 0 * * * /etc/rc.d/init.d/asterccd restart to the end of the file

The first “0” is applied to assign the minutes，and the second “0″ is applied to assign the hours.

7. Setup the correct access rights for files and directories:

After setting up the rights of the directory for file uploading

（asterbilling/upload）,you can import the file “csv/xls”.

*chmod 777 /var/www/html/asterCC/*asterbilling*/upload*

8. test

```
Open your browser, Input the URL as follows:
http://localhost/asterCC/asterbilling
Or
http://YOUR-WEB-SERVER-ADDRESS/asterCC/asterbilling
login system as admin/admin
```

THE OPERATION INTERFACE OF MANAGER

1. Manager Login

Access WEB management interface, such as http://yourhost/astercc, login screen will be shown, and asterBilling will provide two kinds of login screen, which is the login screen of manager (manager_login.php , which is applied to the login of advanced manager, Reseller ,level manager and operator) and the login screen of user(login.php , which is applied to the login of end-user) ,and the default login screen is the login screen of manager(user: admin, password: admin).you can use the parameter ‘useindex’ to assign the default login screen in asterBilling.conf.php.

After login you can see all the items which can manage, including Account |Account group |Reseller Group |Report| Rate to Customer |Rate to Callshop| Rate to Reseller| Clid | Import| CDR |Credit | History |Logout.

You can learn about it in the following paragraph.

2.Account

This item is applied to manage system users. The page will show admin user, reseller user, group user. You can observe that there is an account of admin, and all the information for the account (including user name, password, user type) will be shown on the page, otherwise we recommend you should change system admin’ s user name and password.

There are 4 types of user account in system,the user type as follows:

"admin", "reseller", "group admin", "operator".

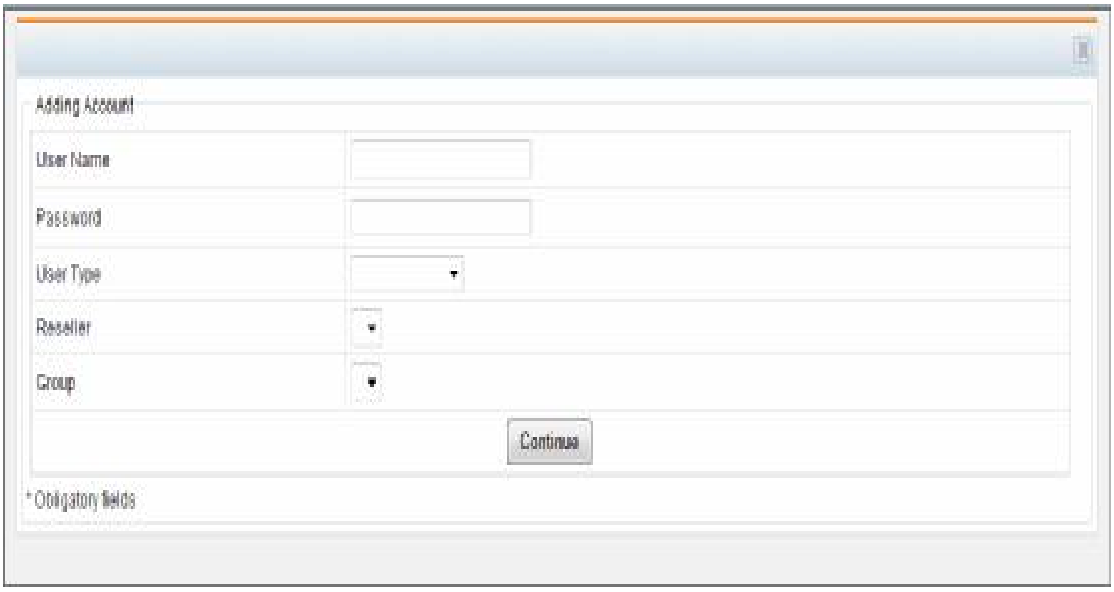
1. Add account

Admin user,which can add all types of user.

Reseller user,which can add two types of user,group admin and operator.

Group user,which can only add a type of user,operator

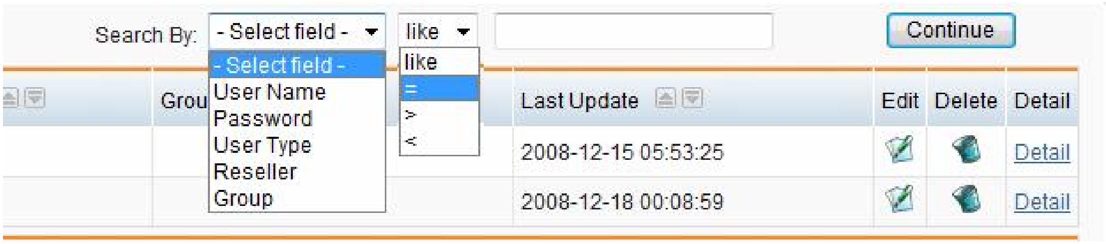
Click "Add" button on the top left corner,which will pop-up the window "Add account". the graphic of screen that admin login system as follows:



First of all,you should input user name,password,and select user type.Then if you want to add a reseller user,you should select a managable reseller group(you should add reseller group first,and then you can add reseller user);If you want to add a reseller group and account group(you should add reseller group and account group firstly),click "continue" to finish to add the account.

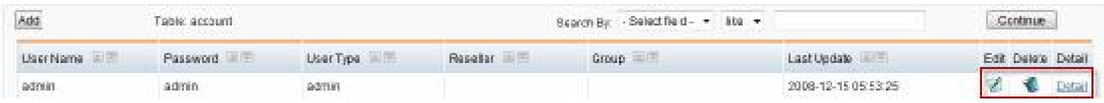
2.search

Select any search field and match method,input the corresponding search key words,and you can get the results after clicking “continue” button.



3.Other operation

You can edit,delete and view the user information,and make the operation on the corresponding record

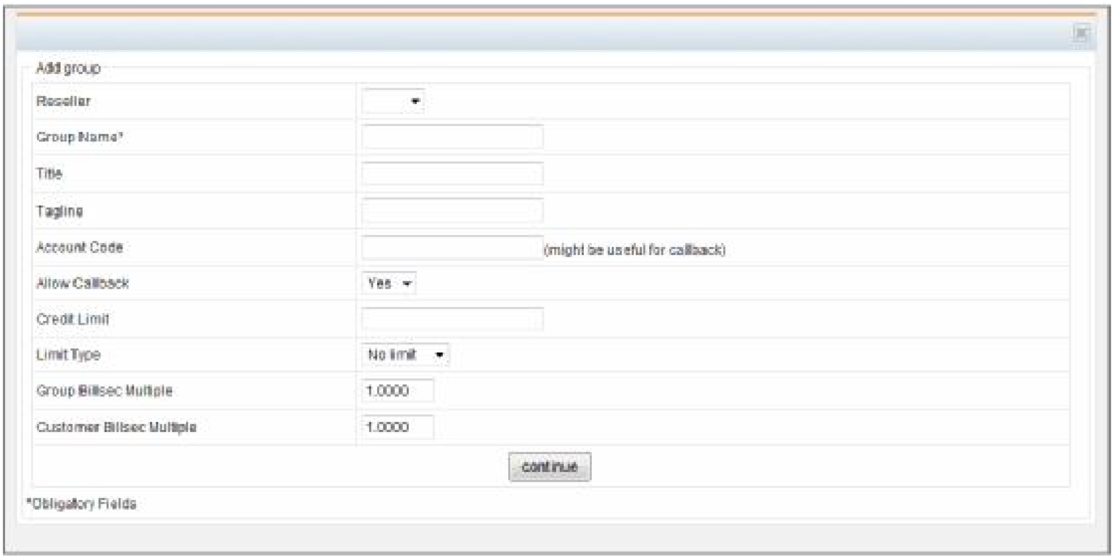


3.Account group

This item is applied to manage account group

1.add account group

Click “add” button on top left,which will pop up the window ” add account group” as follows:



Reseller:you can choose reseller for account group,which is a reseller existed in system at least,and it should not be null.

Group name: The name for new account group,and this item should be required.

Title:It will show the title of the operator screen in this group of callshop

Tagline:It will show the tagline under the title of the operator screen in this group of callshop.

Account Code:The billing code for callback

Allow Callback:whether this group will be allowed for callback,"Yes" by default

Credit Limit:The call charge credit in account group at most,which is shared by "Limit type" and "Cur Credit" (you can find the detail of "accout group edit")

Limit Type:The limit type of account group,which supports "no limit", "prepaid", or "postpaid".

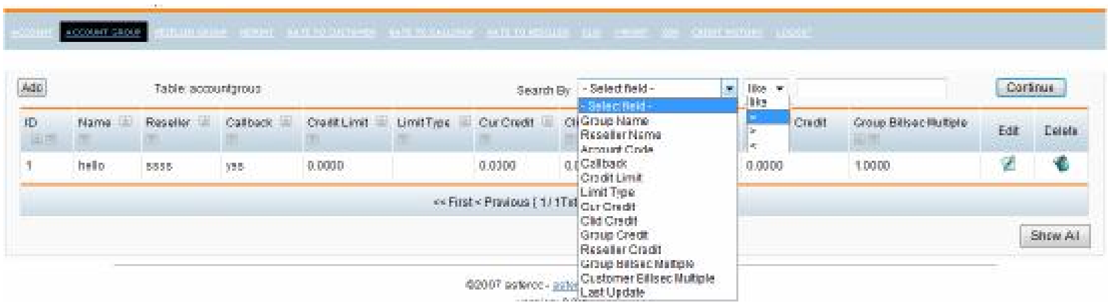
Group Billsec Multiple:Setup the billing for this group,and this is the coefficient of the billing cycle.

Customer Billsec Multiple: Setup the billing for the user of this group,and this is the coefficient of the billing cycle.

Select and input the appropriate content,and click “continue” button to finish to add.

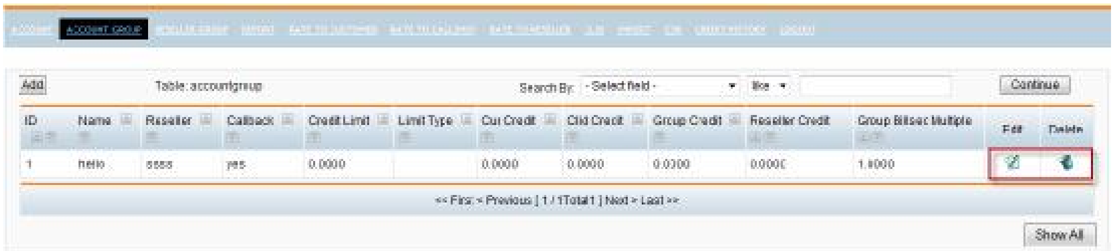
2.search

You can search the information of group in the component, choose search field and matching method you need,and input the search key words accordingly,then you can get the search result after clicking “continue” button.

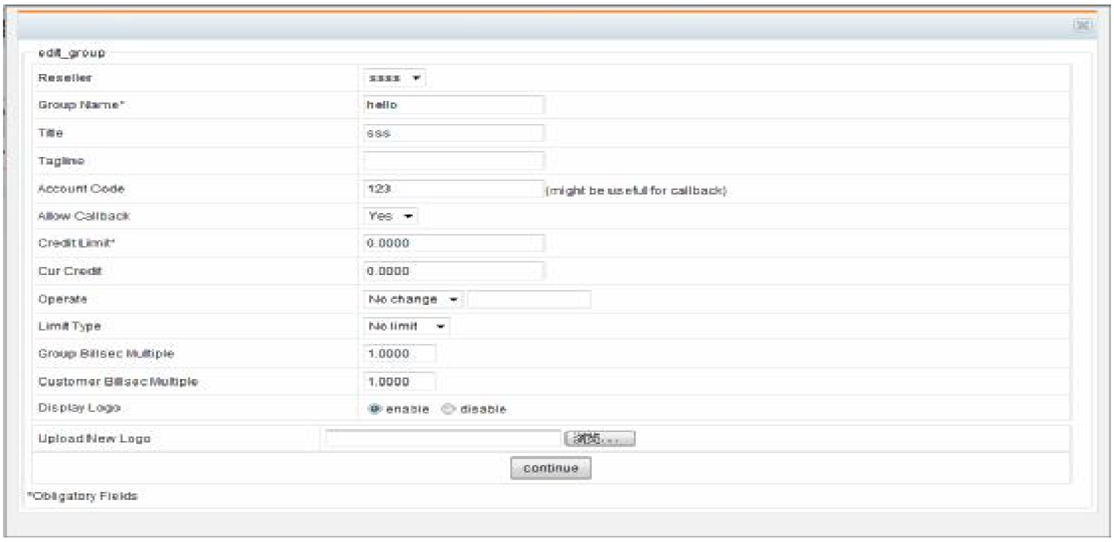


3.Other operation

You can edit and delete for the corresponding group.



Edit



According to the graph as belows,there are four extra items in edit window more than add window as follows:

Cur Credit:This item records the current occuring call credit for account group,which will control the call credit of the account group with "Credit limit" and "Limit type",That is,if "Cur Credit" is equal to "Credit Limit",it noted that there are no credits on the account group and the balance is 0,and if you choose 'prepaid' in the limit type of account group,all the extensions in this account group can not dial out at this moment,if you choose "no limit" or "postpaid",it will not affect the calling of the extensions.

Operation:Operate on "Cur Credit",That is,proceed the operation for refuning and charging.that include two types of operation:" refune" and "charge",because the call credit of account group is controlled by "Credit limit" and "Cur Credit"(call credit= Credit limit- Cur Credit), "charge" is equal to decrease "Cur Credit" and "refune" is equal to increase "Cur Credit".

For example,Creat a new account group with credit limit equal to 1000,when the extensions of this group is calling out,which will cost 900,that is,cur credit is 900,then current available credit=1000(credit limit)-900(cur credit)=100.if this group need add another 500 call charge,you need charge for that.The steps as follows:

1. Select “charge” in “operator” listbox
2. Input 500 in textbox following “operator” listbox
3. The Cur redit of this group at this moment will change from 900 to 900-500=400
4. The available credit will change from 100 to 1000(credit limit)-400(cur credit)=600

Display Logo: It controls whether display logo in operator interface of callshop.

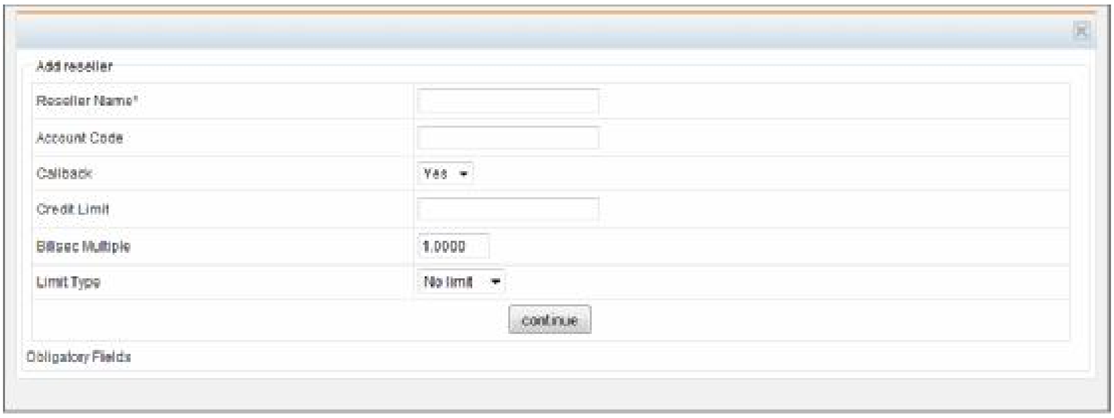
Upload New Logo:upload a new logo file for new group.

4.Reseller group

This item is applied to manage the reseller group

1.Add reseller

Click “Add” button on the top left corner,which will pop-up the window “Add account”:



`Reseller name:` a new reseller name,which is required.

`Account code:` the billing mark which is applied to callback.

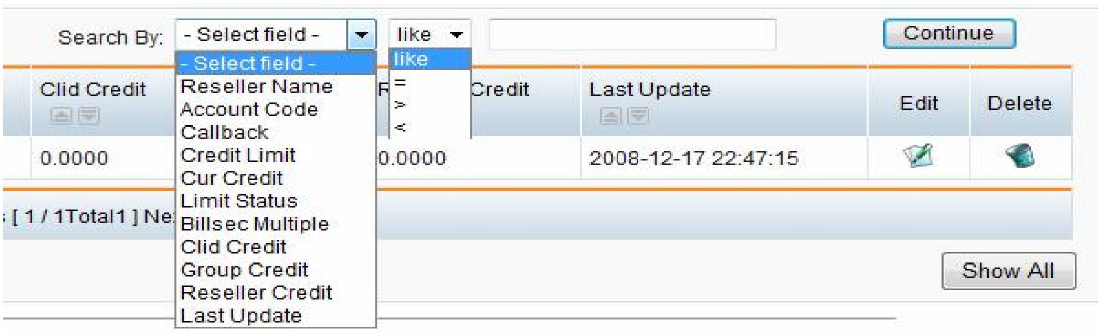
`Callback:` determinate whether the new reseller can call back," Yes" by default .

`Credit Limit:` The call charge credit in reseller group at most,which is shared by "Limit type" and "Cur Credit" (you can find the detail of "reseller group edit")

`Limit Type:` The limit type of reseller group,which supports "no limit" , "prepaid" , or "postpaid" .

2. Search

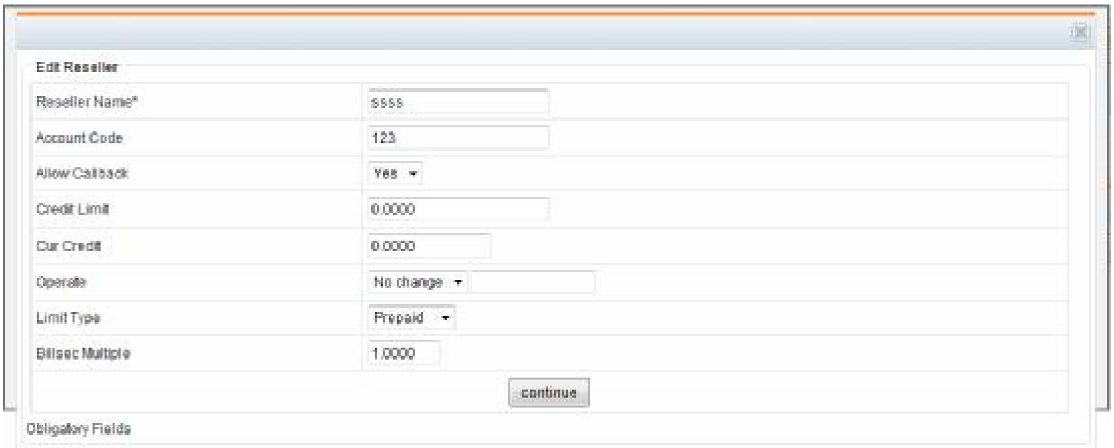
You can search the information of group in the component, choose search field and matching method you need,and input the search key words accordingly,then you can get the search result after clicking "continue" button.



3. Other Operation

You can edit and delete for the corresponding reseller.

Edit



Cur Credit: This item records the current occuring call credit for resellers,which will control the call credit of the reseller with "Credit limit" and "Limit type" ,That is,if "Cur Credit" is equal to "Credit Limit" ,it noted that there are no credits on the reseller and the balance is 0,and if you choose 'prepaid' in the limit type of reseller,all the extensions in this reseller can not dial out at this moment,if you choose "no limit" or "postpaid" ,it will not affect the calling of the extensions.

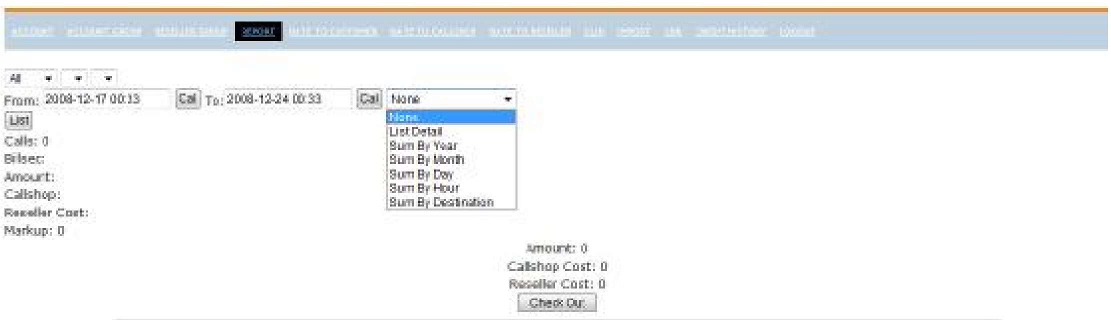
Operation: Operate on "Cur Credit" ,That is,proceed the operation for refuning and charging.that include two types of operation:" refune" and "charge" ,because the call credit of reseller is controlled by "Credit limit" and "Cur Credit" (call credit= Credit limit- Cur Credit), "charge" is equal to decrease "Cur Credit" and "refune" is equal to increase "Cur Credit" .

For example,Creat a new reseller with credit limit equal to 10000,when the extensions of this reseller is calling out,which will cost 9000,that is,cur credit is 9000,then current available credit=10000(credit limit)-9000(cur credit)=1000.if this group need add another 5000 call charge,you need charge for that.The steps as follows:

1. Select “charge” in “operator” listbox
2. Input 5000 in textbox following “operator” listbox
3. The Cur redit of this reseller at this moment will change from 9000 to 900-5000=4000
4. The available credit will change from 1000 to 10000(credit limit)-4000(cur credit)=6000

5. Report

This item is applied to billing amount,callshop cost,reseller cost.

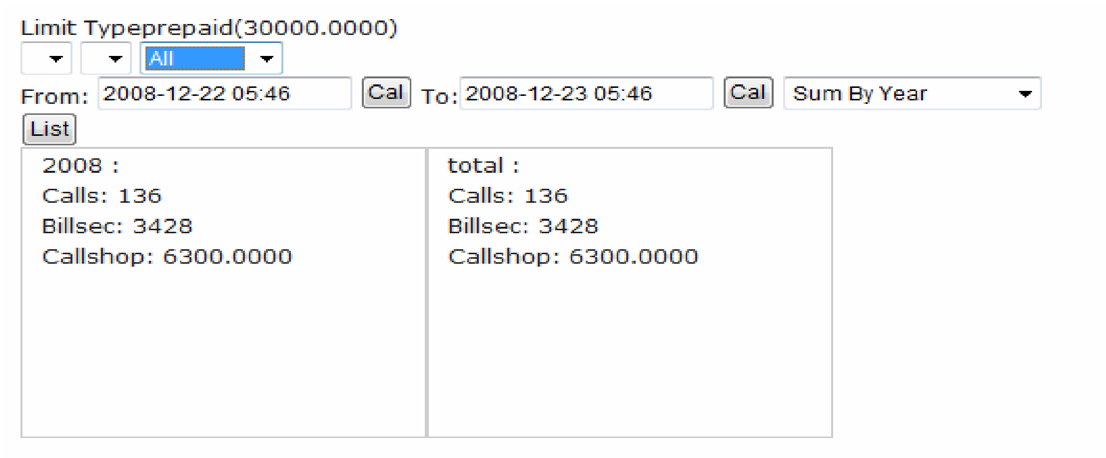


You can observ the three listbox in first row,and the first listbox is applied to select the reseller,the second listbox is applied to select account group,and the last listbox is applied to select account or callback.You can choose the time range and the sum method in second row.astbilling will support the sum method as follows:

ü List detail

This method can show all calls and billing information in selected object and time range in one page. You can sum the call record by yourself,and click "check out" button and you will change the status from "UNBILLED" to 'BILLED' in the record.

- Sum by Year



- Sum by month

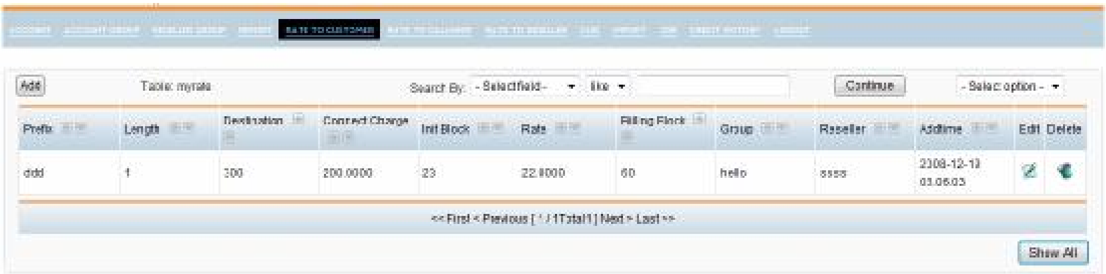
- Sum by day

ü Sum by hour

ü Sum by destination

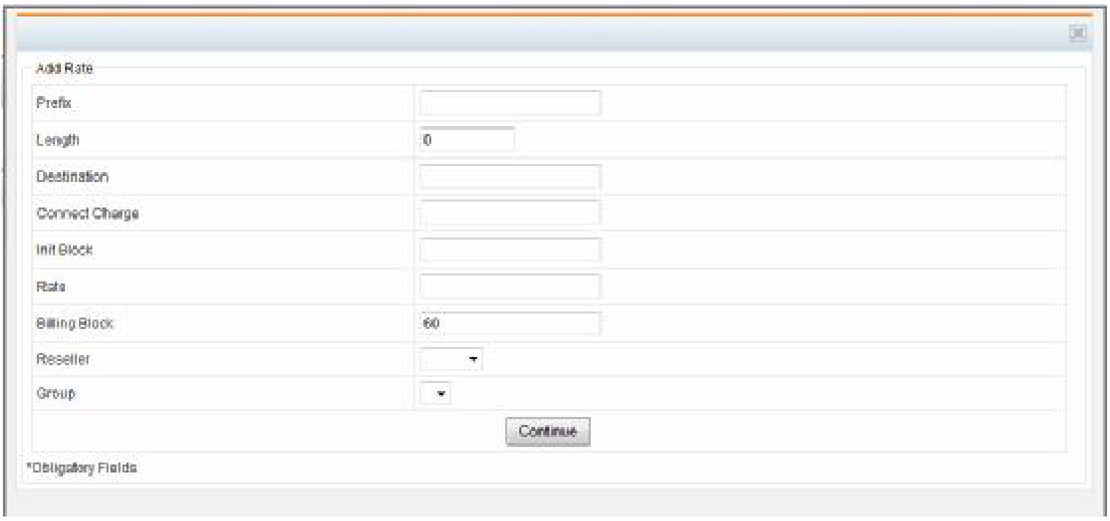
6. Rate to Custom

This item is applied to rate to user billings.



1. Add Custom Rate

Click "Add" button on top left of "myrate" table,which will add a rate to new user:



`Prefix:`It will specify the prefix of the phone number,that is,if the user want to dial the phone number with the prefix, the rate will be applied to the user;,such as 0086;if you want to set the rate as default,please input "default" in the textbox.At the moment,if you dial the number that doesn't match any rate,you will use "default" as billings rule.

`Length:` It will specify the length of the phone number,that is,if the phone number matches the length,the rate will be applied to the user;the default length is 0,which will match any lenght.

Destination:It will input the name of the destination for the rate,which is easy to Identity Management.

Connect Charge: The charge at the Initial Interval of the call,such as 0.2 in the first 180 sec,and 0.2 is the initial charge of the call.

Init Block:The time limit for initial charge after the call having connected, such as 0.2 in the first 180 sec,and 180 sec is the initial time length of the call.

Rate:charge in each billing block.

Billing Block:specify Billing Block.such as bill the call once in 60s.

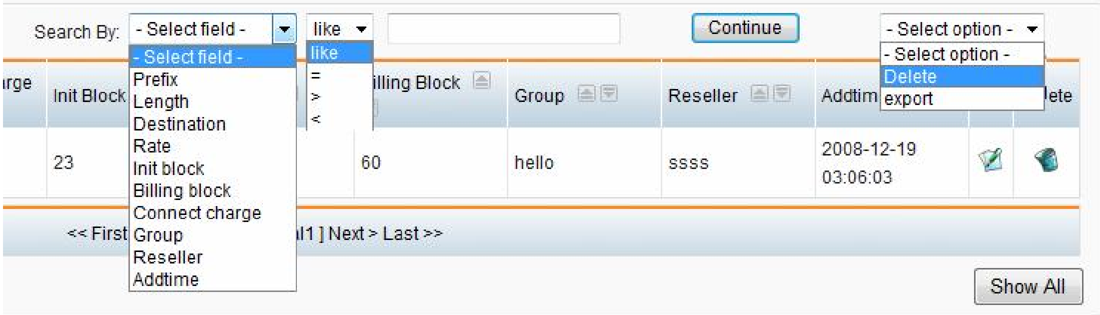
Reseller:Select the user of the reseller which is applied to the rate,if you choose nothing it will be applied to any user of any reseller.

Group: Select the user of the group which is applied to the rate,if you choose nothing it will be applied to any user of any group.

Select and input the appropriate content,and click “continue” button to finish to add.

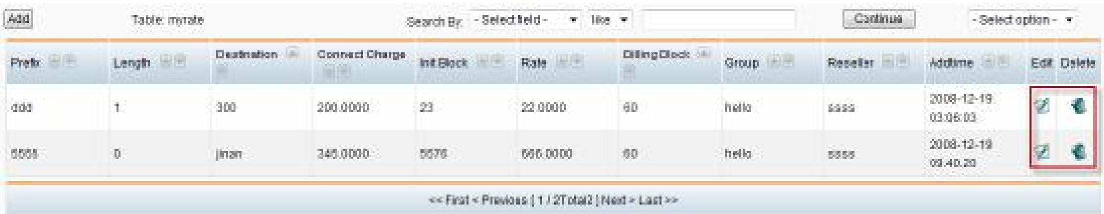
2.Search and export

You can search the rate here,choose the corresponding search field and matched pattern,and input the corresponding content,then click “continue” button,you can get the search result.it provide the function of the rate export or delete at the same time.When you select delete,system will delete all the records matched(Note:if there is no search field selected or no search content input,all the rate will be deleted),then when you select export,all the rate will be exported as *.cvs file.



3.other operation

you can edit and delete the corresponding rate.

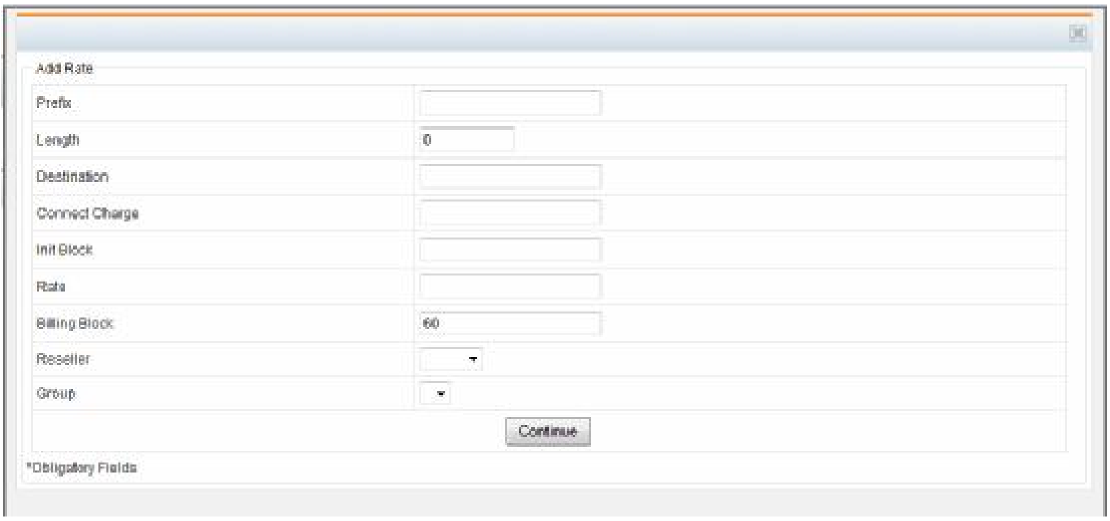


7.Rate to Callshop

This item is applied to set up the rate of group(callshop)

1.Add group Rate

Click "Add" button on top left of "callshoprate" table,which will add a rate to new user:



Prefix:It will specify the prefix of the phone number,that is,if the group user want to dial the phone number with the prefix, the rate will be applied to the group user;,such as 0086;if you want to set the rate as default,please input "default" in the textbox.At the moment,if you dial the number that doesn't match any rate,you will use "default" as billings rule.

Length: It will specify the length of the phone number,that is,if the phone number matches the length,the rate will be applied to the group user;the default length is 0,which will match any lenght.

Destination:It will input the name of the destination for the rate,which is easy to Identity Management.

Connect Charge: The charge at the Initial Interval of the call,such as 0.2 in the first 180 sec,and 0.2 is the initial charge of the call.

Init Block:The time limit for initial charge after the call having connected, such as 0.2 in the first 180 sec,and 180 sec is the initial time length of the call.

Rate:charge in each billing block.

Billing Block:specify Billing Block.such as bill the call once in 60s.

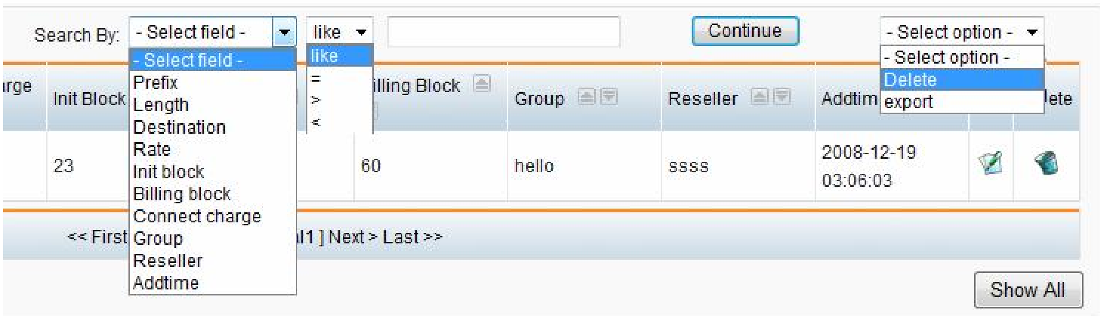
Reseller: Select the group user of the reseller which is applied to the rate,if you choose nothing it will be applied to any group user of any reseller.

Group: Select the group user of the group which is applied to the rate,if you choose nothing it will be applied to any reseller of any group.

Select and input the appropriate content,and click "continue" button to finish to add.

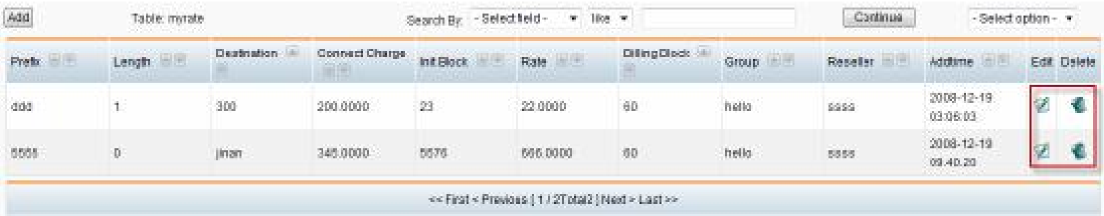
2.Search and export

You can search the rate here,choose the corresponding search field and matched pattern,and input the corresponding content,then click "continue" button,you can get the search result.it provide the function of the rate export or delete at the same time.When you select delete,system will delete all the records matched(Note:if there is no search field selected or no search content input,all the rate will be deleted),then when you select export,all the rate will be exported as *.cvs file.



3.other operation

you can edit and delete the corresponding rate.

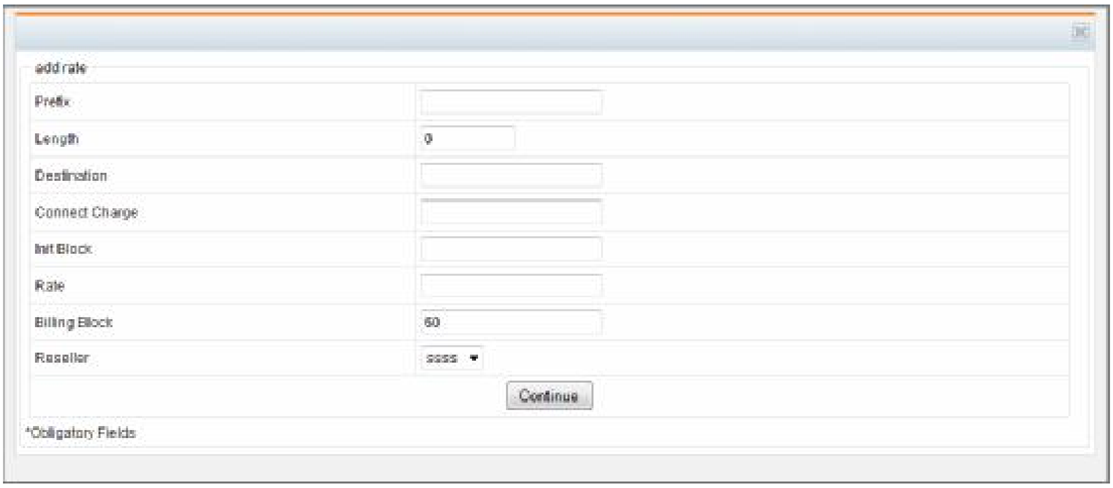


8.Rate to Reseller

This item is applied to the rate of the reseller

2.Add Reseller Rate

Click “Add” button on top left of “resellerrate” table,which will add a rate to new user:



Prefix:It will specify the prefix of the phone number,that is,if the reseller user want to dial the phone number with the prefix, the rate will be applied to the reseller user;,such as 0086;if you want to set the rate as default,please input “default” in the textbox.At the moment,if you dial the number that doesn't match any rate,you will use "default" as billings rule.

Length: It will specify the length of the phone number,that is,if the phone number matches the length,the rate will be applied to the reseller;the default length is 0,which will match any lenght.

Destination:It will input the name of the destination for the rate,which is easy to Identity Management.

Connect Charge: The charge at the Initial Interval of the call,such as 0.2 in the first 180 sec,and 0.2 is the initial charge of the call.

Init Block:The time limit for initial charge after the call having connected, such as 0.2 in the first 180 sec,and 180 sec is the initial time length of the call.

Rate:charge in each billing block.

Billing Block:specify Billing Block.such as bill the call once in 60s.

Reseller:Select the reseller which is applied to the rate,if you choose nothing it will be applied to any reseller.

Select and input the appropriate content,and click "continue" button to finish to add.

2.Search and export

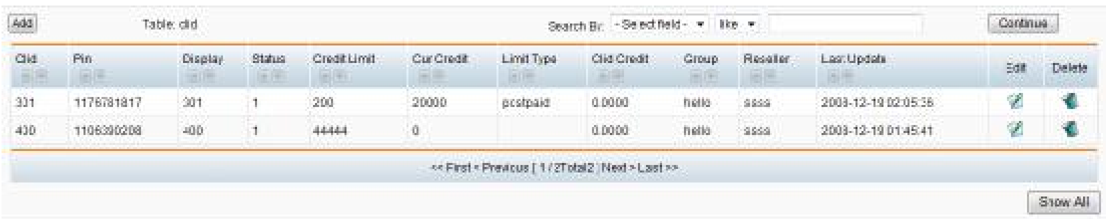
You can search the rate here,choose the corresponding search field and matched pattern,and input the corresponding content,then click "continue" button,you can get the search result.it provide the function of the rate export or delete at the same time.When you select delete,system will delete all the records matched(Note:if there is no search field selected or no search content input,all the rate will be deleted),then when you select export,all the rate will be exported as *.cvs file.

3.other operation

you can edit and delete the corresponding rate.

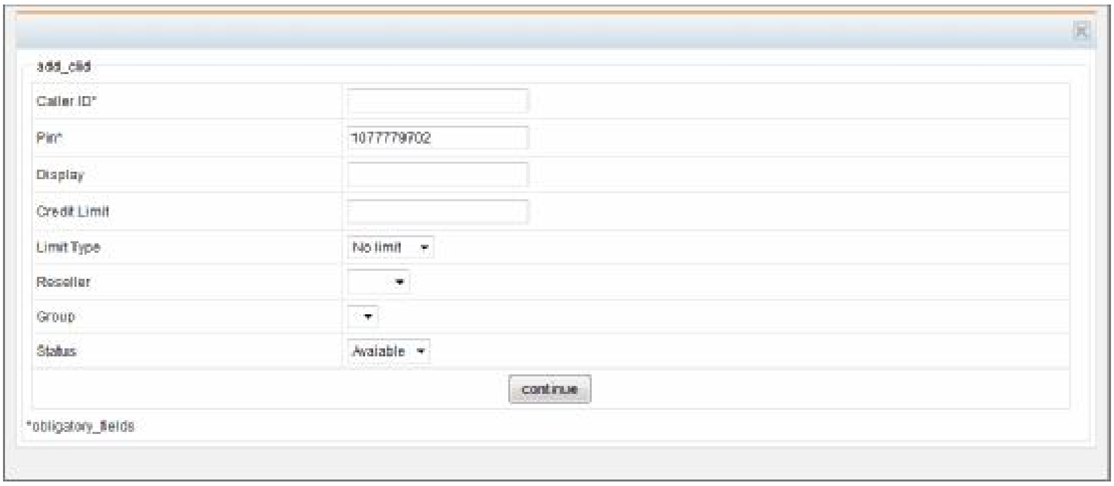
9.CLID

This item is applied to manage the clid of the user.



1. Add CLID

Click "add" button on top left of "clid" table,the window "Add CLID" as follows:



Call ID:add call id

PIN:the pin of this CLID account,which is generated by system automatically,is applied to login the user screen and issue the card,and the length of pin is determined by the defination of the parameter “pin_len” in asterbilling.conf.php(10 digit at least,20 digit at most,10 digit by default).

Display:set up display name,which will display on the platform of callshop.

Credit Limit: The call charge credit in reseller group at most,which is shared by “Limit type” and “Cur Credit” (you can find the detail of “CLID edit”)

Limit Type:The limit type of reseller group,which supports “no limit”, “prepaid” , or “postpaid” .

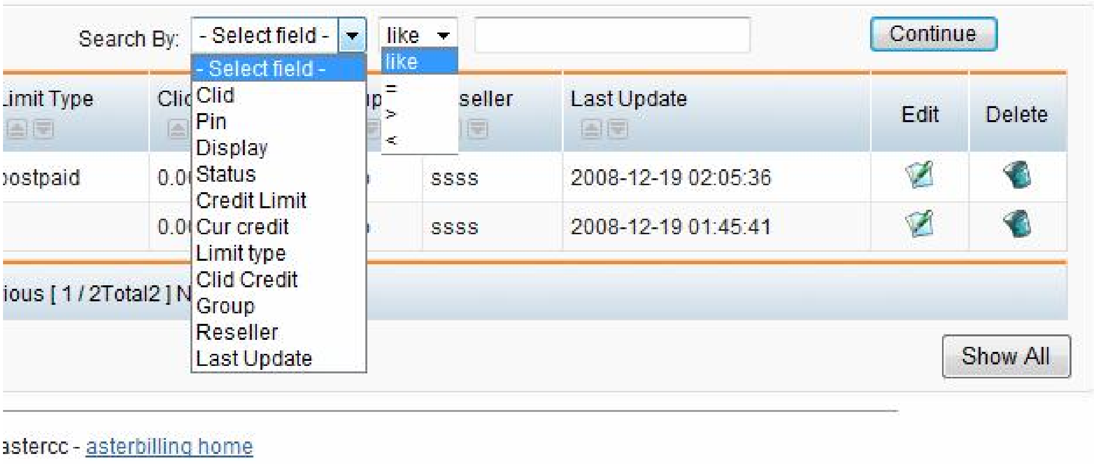
Group:Setup the group of the clid

Status:Setup the status of the clid,which is “available” or “lock” .

Select and input the appropriate content,and click “continue” button to finish to add.

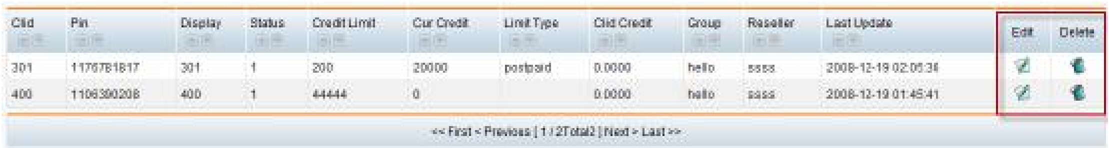
2.Search

You can search the information of CLID in the component, choose search field and matching method you need,and input the search key words accordingly,then you can get the search result after clicking “continue” button.

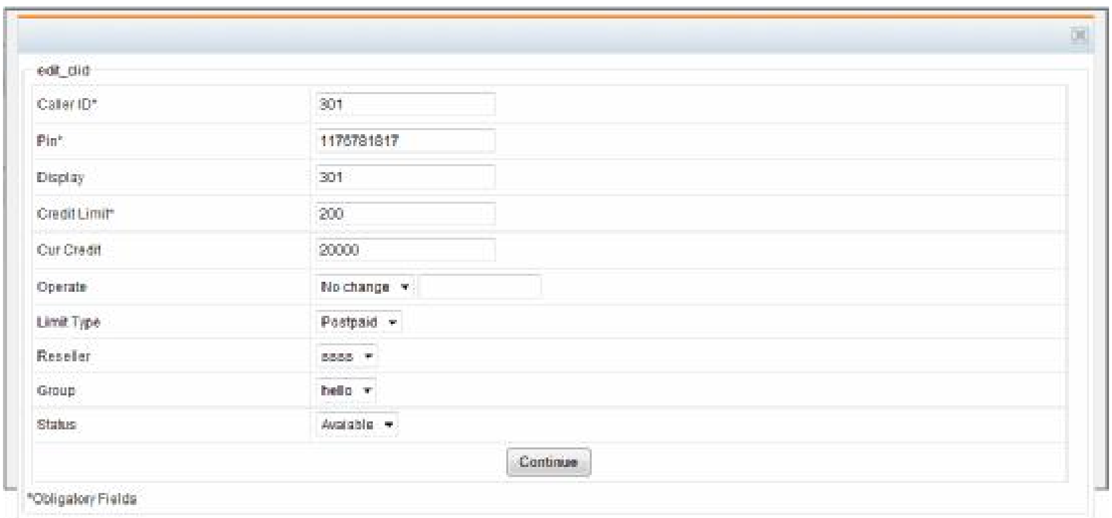


3.other operation

You can edit or delete the clid you select.



Edit



According to the graph as belows,there are two extra items in edit window more than add window as follows:

Cur Credit:This item records the current occuring call credit for the CLID,which will control the call credit of the the CLID with “Credit limit” and “Limit type”,That is,if “Cur Credit” is equal to “Credit Limit”,it noted that there are no credits on the reseller and the balance is 0,and if you choose ‘prepaid’ in the limit type of the CLID,all the the CLID can not dial out at this moment,if you choose “no limit” or “postpaid”,it will not affect the calling of the extensions.

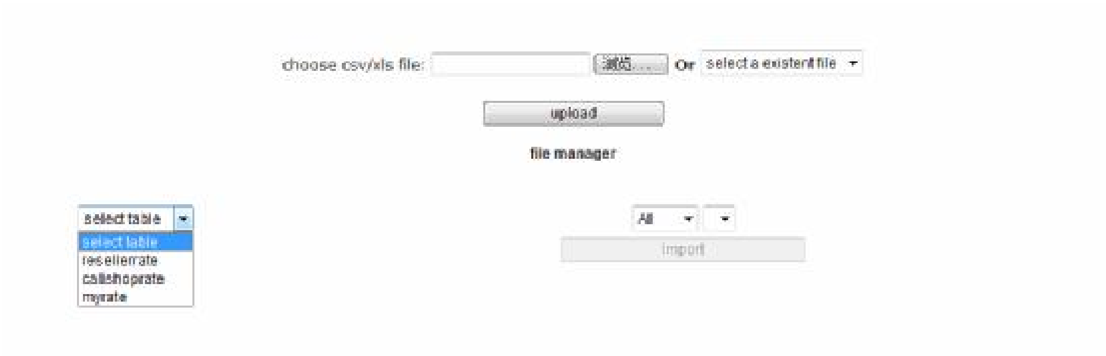
Operation:Operate on “Cur Credit”,That is,proceed the operation for refuning and charging.that include two types of operation:”refune” and “charge”,because the call credit of the CLID is controlled by “Credit limit” and “Cur Credit”(call credit= Credit limit- Cur Credit), “charge” is equal to decrease “Cur Credit” and “refune” is equal to increase “Cur Credit”.

For example,Creat a new CLID with credit limit equal to 100,when the CLID is calling out,which will cost 90,that is,cur credit is 90,then current available credit=100(credit limit)-90(cur credit)=10.if this CLID need add another 50 call charge,you need charge for that.The steps as follows:

1. Select “charge” in “operator” listbox
2. Input 500 in textbox following “operator” listbox
3. The Cur redit of this group at this moment will change from 90 to 900-50=40
4. The available credit will change from 10 to 100(credit limit)-40(cur credit)=60

10.import

This item is applied to import the rate table.

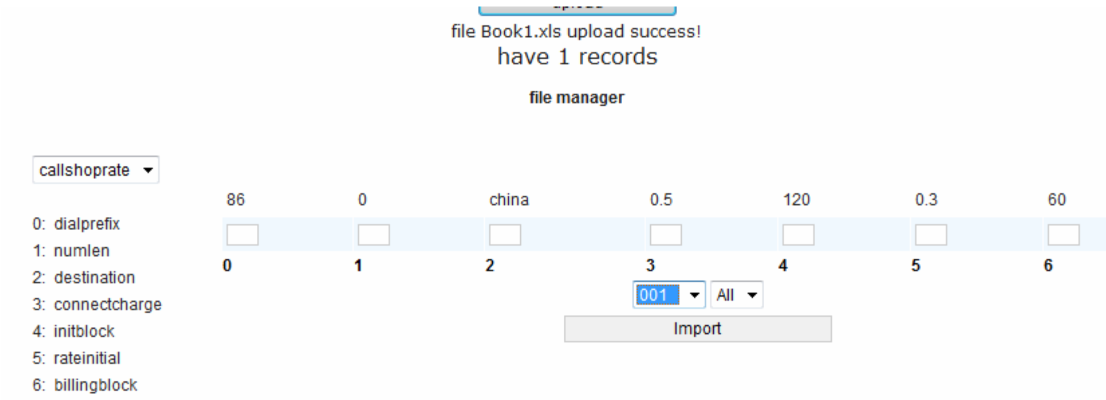


Upload the rate table:

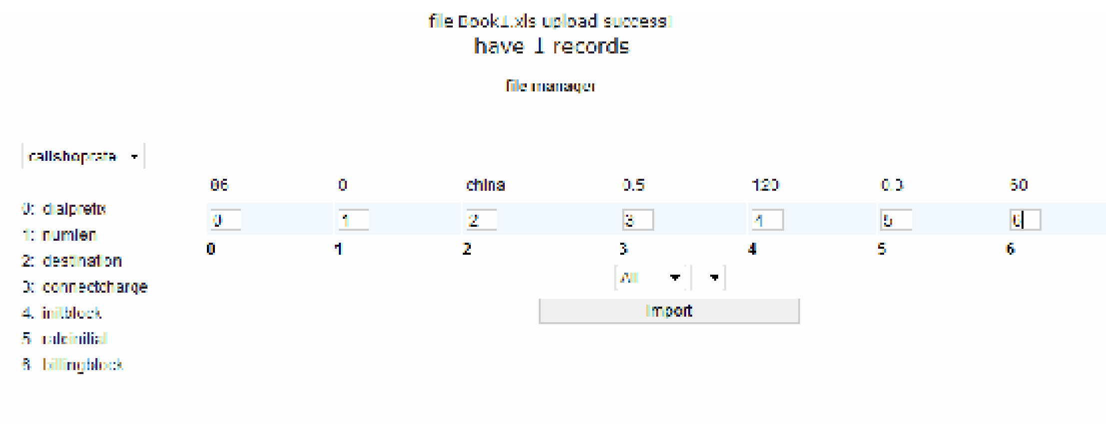
The rate table should be “*.cvs” or “*.xls” file.

	A	B	C	D	E	F	G
1	86	0	china	0.5	120	0.3	60

Upload the file and select the table should be imported,you will see the page as belows:



AS the graph as blows,we choose table “callshoprate” ,which all the field is listed and the sequence number before every field,and input the sequence number of field into the textbox below the corresponding column in the uploaded file,such as:



86 is euqal to 0 in the corresponding file in this column: dialprefix

0 is equal to 1 in the corresponding file in this column: numlen

China is equal to 2 in the corresponding file in this column: destination

120 is equal to 4 in the corresponding file in this column: innitblock

0.5 is equal to 3 in the corresponding file in this column: connectcharge

0.3 is equal to 5 in the corresponding file in this column: rateinitial

60 is equal to 6 in the corresponding file in this column: billingblock

Then select the reseller and group,click "upload" button,and finish to import

11.CDR

This item is applied to view the detail of the call record.

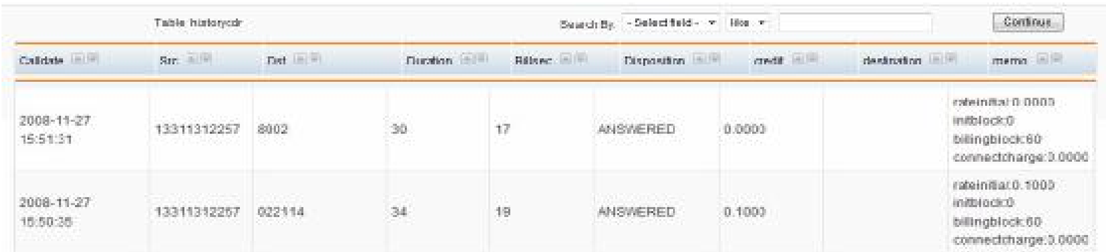


Table historycdr Search By: - Select field - like Continue

Calldate	Src	Dst	Duration	Billsec	Disposition	credit	destination	memo
2008-11-27 15:51:31	13311312257	8002	30	17	ANSWERED	0.0000		rateinitial:0.0000 initblock:0 billingblock:60 connectcharge:0.0000
2008-11-27 15:50:35	13311312257	022114	34	19	ANSWERED	0.1000		rateinitial:0.1000 initblock:0 billingblock:60 connectcharge:0.0000

The clid login the user interface can view the call record belong to itself.

Search:

You can search the call record in this search, choose search field and matching method you need,and input the search key words accordingly,then you can get the search result after clicking "continue" button.

12.credit history

This item is applied to view all the operation records for call charge(including the operation records for call charge for sales、group and user).Different user can login the system to view and “search” own’s charge record.

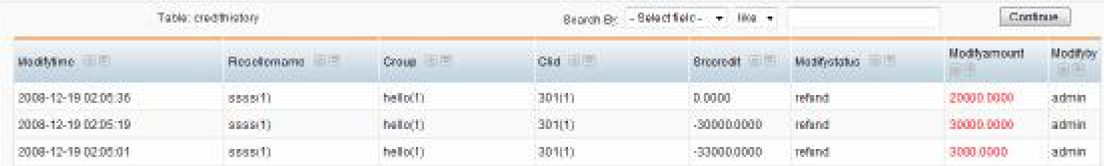


Table: credithistory

Modifytime	Resellername	Group	Clid	Bscredit	Modifystatus	Modifyamount	Modifyby
2008-12-19 02:05:36	ssss(1)	hello(1)	301(1)	0.0000	refund	20000.0000	admin
2008-12-19 02:05:19	ssss(1)	hello(1)	301(1)	-30000.0000	refund	30000.0000	admin
2008-12-19 02:05:01	ssss(1)	hello(1)	301(1)	-33000.0000	refund	3000.0000	admin

The operation screen of callshop

You can login the management system by admin group or operator,and then you can entering the operation screen of callshop.

1. Booth window

Each booth of the callshop(group) will show as a small winow seperately,which the window as follows:

2.Setup limit

You can setup temprory limit of the booth in every booth window,which just need input the credit limit in limit item,and check "limit" checkbox,when the credit of the user reaches the number of limit,the calling will be hung up.

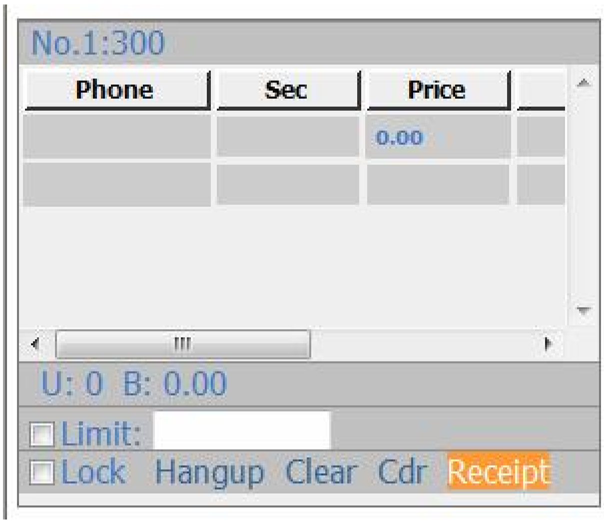
3.Lock the booth

You can lock the booth in booth window,check “lock” checkbox,then the lock checkbox will be changed to be red,and the booth can not dial any call at this time.

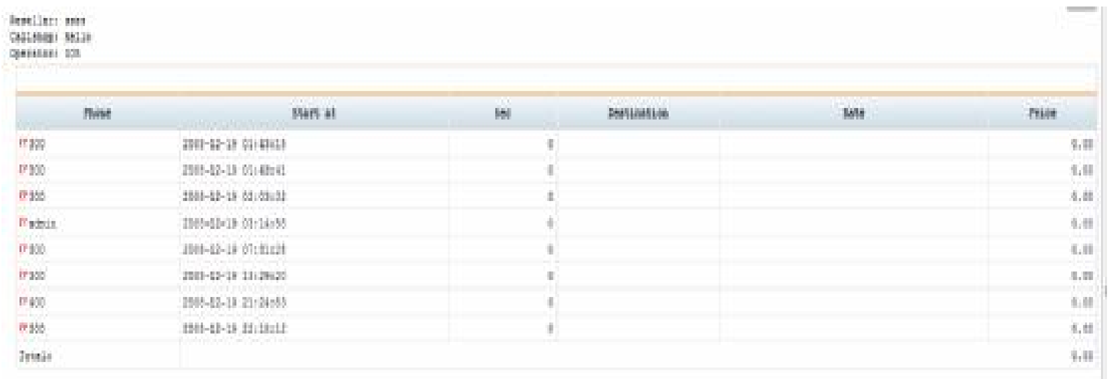
4.Hung up

Click “hung up” button,you can hung up the current call in the booth.

5.receipt

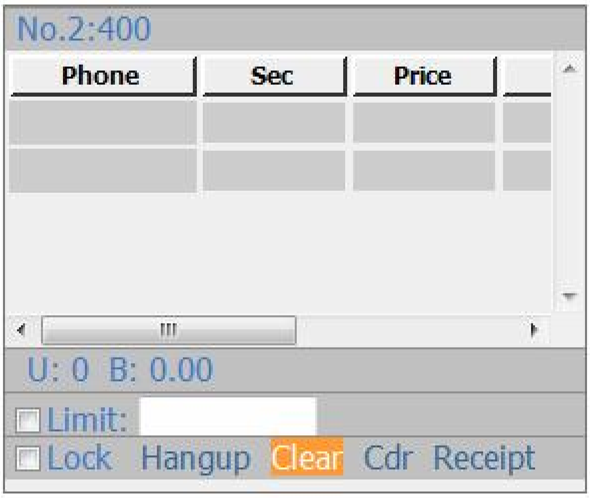


You can click “receipt” button,to view the unbalanced record in the booth and the cost generated,and so on,and print it.

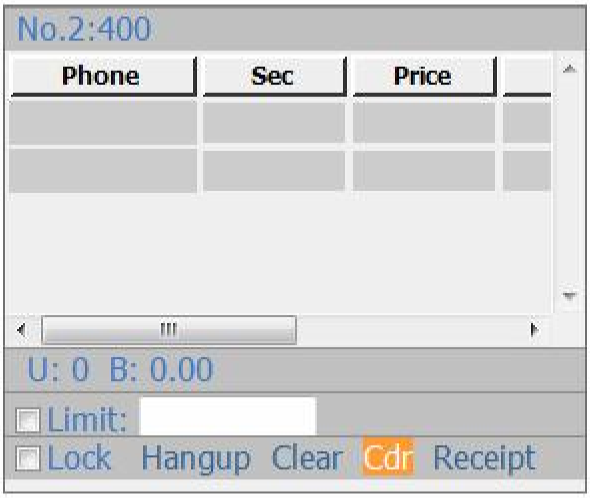


6.clear(check-out)

When the client finish a call or multi-call,and pay the cost,you can click “clear” button,clear the current record in window.



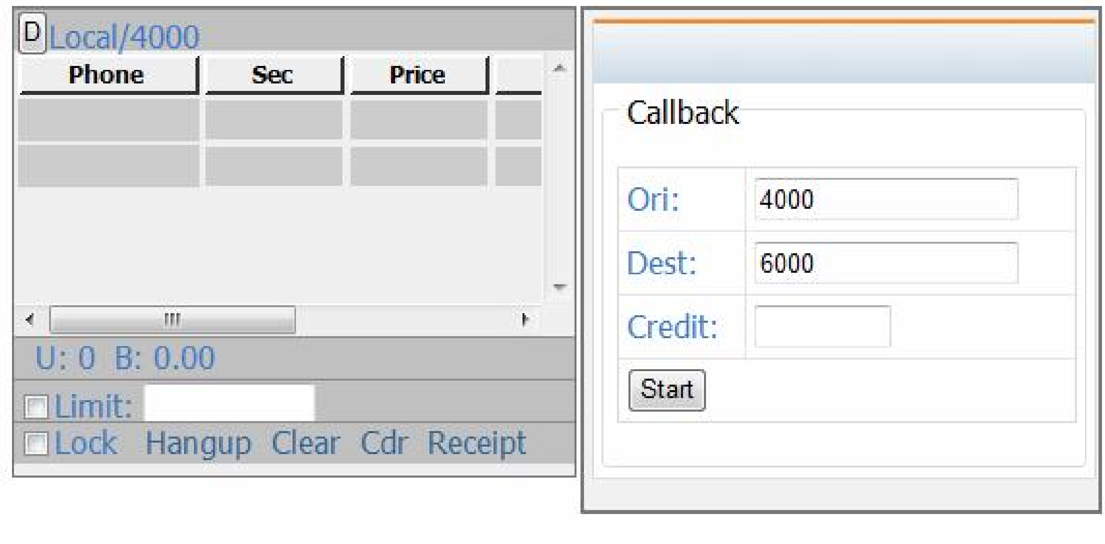
7.CDR



Click "Cdr" button,to view the call record in the booth.

8.callback

If the function "callback" can be available for the current callshop which is logging in, you can observe a callback window.If you want to use callback,just input the number into "ORI" and "DEST",then click "start" button,and you can use the function "callback".There will popup a new billing window for callback in web page.



After having finished to callback,you can delete the window by clicking “D” button on the top left of the billing window for callback