

1.1 Accounts

1.1.1 Accounts Management

Once you have almost one group you can fulfill it with SIP Accounts. In the **Group List (PSOM 1.0 Groups)** click on the **Accounts** icon on the right of each group's row.

User created: 20 - Max user limit 200

Test Raffle >> Account List

	Owner	Username	Virtual Phone Number	Virtual Phone Number (secondary)	Account type	Security model	Enabled	Last Status	Last status date	
Details	El. Calero	123456789	123456789		PGSM	SDES	true			Send Installation Sms Send Activation Sms
Details	U.S. Cristian	987654321	123456789		PGSM	SDES	true	Installation SMS sent	2013-10-04 10:49:38.0	Send Installation Sms Send Activation Sms
Details	Rafel Escobar B- Berry 18	987654321	+98765432100		PGSM	ZRTP	true	Installed	2013-10-08 09:46:37.0	Send Installation Sms Send Activation Sms
Details	Rodriguez Peralta	876543210	+98765432100		PGSM	SDES	true	Activated	2013-10-11 12:38:46.0	Send Installation Sms Send Activation Sms
Details	Samsung Galaxy s2	12345678945	+98765432100		PGSM	SDES	true	Activated	2013-10-11 12:39:24.0	Send Installation Sms Send Activation Sms
Details	SNOM Raffle	12345678945	12345678900		SNOM	SDES	true			Send Installation Sms Send Activation Sms

Filter Pure and Unfiltered!

CSV

figure 1. The Sip Users Table

As a general list of the accounts which are present in each group, the one shown in [figure 1. The Sip Users Table](#) illustrates the main features for each account.

The first column is reserved for the **Details**, which is a link to monitor each account's activities, current status and configuration. Most of the following fields are quite self-explanatory. The last column is for quick links about installation and configuration of customer's clients.

Send Installation Sms is good for sending via Text message a link meant to be used to download and thus install the PrivateWave application. More about the **Automatic Activation** and about the **Provisioning** can be read in paragraph [1.1.4](#).

The customer's platform is automatically detected.

Send Activation Sms serves to plant the configuration file into the selected customer's client using Text Message as a mean of transport. The Text Message would include an URL to be used for downloading the configuration file itself.

You have three way for create new users:

1. the **plain way**: manual configuration
2. the **wizard way**: automatic activation
3. the **batch way**

Each one is going to be detailed in the next paragraphs.

1.1.1.1 Create a new account, the plain way (manual configuration)

The "plain way" is a completely manual creation of the account. In this way you control any feature of the account, but you also need to configure the user's client manually. This way is the opposite of the automatic activation.

This is the way for creating valid accounts for the SNOM devices.

In the Account List page ([figure 1. The Sip Users Table](#)) you can see an empty list of accounts. To create a new Sip User you have to click on the **New Account** button in the top of the page.

You can create both PGSM (PrivateWave) or SNOM accounts and they do differ a while.

1.1.1.1.1 PGSM

Create Account

Username	083687749049
Password	
Repeat password	
Virtual Phone Number	083687749049
Virtual Phone Number (secondary)	
Owner	
Group	Test SIPP
Email	
Description	
Call Limit	2
Keep-alive Enabled	☐
Provisioning Profile	
Account Type	PGSM
Security Model	SDS
Obfuscation Mode	ON
Obfuscation Key	9

Create

figure 2. Sip Account creation form

The **Create Account** page will show a form with many fields. Mandatory ones are:

- **Username**
- **Password/Repeat Password**
- **Virtual Phone Number**
- **Account Type**
- **Security Model**
- **Obfuscation Mode**
- **Obfuscation Key**
- **Keep-alive Enabled**

Username/Password

Username field is automatically generated as a random numeric value and you are not required to change it. Type in a password and repeat it in the proper fields.

! If you manually edit **Username** field, keep in mind that it MUST be unique, as Virtual Phone Number!

Virtual Phone Number

Set a **Virtual Phone number** as a numeric value of your choice. Please consider that the **Virtual Phone Number** is the number to be dialed to call the Account (and also the number shown as the caller, when the Account dials a call). We suggest a three character number such as "111" or "123" for SNOM devices and actual mobile phone number for PrivateWave accounts.

! Mobile phone numbers must be formatted with international prefix and + sign, before the real phone number, eg: +391234567890. If you do not use international format, it will not be possible to use automatic activation features.

Automatic Activation is not meant for SNOM devices or iPad. You need a PrivateWave client in order to process the URL and the configuration itself. Plus without a phone that can receive an SMS, it wouldn't be delivered at all.



It's still possible to perform an Automatic Activation or to send the installation URL on iPads or devices without phone features using the [Provisioning Messages](#).

Account Type

- To configure a PrivateWave account select "PGSM" by the drop down menu in "Account Type".
- To configure a SNOM account select "SNOM" by the drop down menu in "Account Type".



Unknown macro: 'builder-show'



Unknown macro: 'builder-show'

Obfuscation Mode

The Obfuscation mode is a simple but quite efficient trick to let the VoIP pass without being recognized by network equipment intended to block or censor VoIP traffic.

It's not known to be a perfect mask and it aims not to be one, still it works fine up to now and our suggestion is to keep it enabled as by default,

Obfuscation Key

The key used by the obfuscator can be an arbitrary one, still "9" is the default value. It doesn't matter which number you put in here as long as it is the very same one you set up on the client side.



If the Obfuscation Key value is not the same on both client's account and server's one, then the call won't be placed properly and it might end suddenly voiceless.

Keep-alive Enabled

In order to receive secure phone calls, PrivateWave client must set up an always-on connection to PrivateServer . Each client sends a "keep alive" request to the server it is connected to, in order to keep up the socket. This is necessary as the TCP socket has an idle timeout after which the socket is closed. Some aggressive network equipment can shorten the standard timeout, less than 10 minutes. This behavior is particularly critical with IOS devices.

In order to avoid the socket break caused by such aggressive network equipment, you can enable a server side "keep alive" request. In this way you can be sure that the socket and thus the connection would remain up and stable under every circumstances.



The downside of this option is that there will be some more traffic on the socket (each passage of the request is 1.8 KiloByte, thus you can count almost 3.6 KB of traffic)



Battery life warning

This option can afflict the battery life since more traffic means more radio transmission and on some devices the radio wouldn't have a proper timeout for going idle.

The actual **default** value for the keep-alive **interval** is **60 seconds**. You can configure the general keep-alive timeout in the **NAT configuration** form. Please read PSAM 2.4 Asterisk advanced configurations to get informations about it.



older clients issue

All the PrivateWave clients prior to the 11.1 version cannot respond to the keep-alive request and thus if such option was enabled for their users, then those users won't ever be on-line and reachable.

Virtual Phone Number (secondary)

This field is optional and rarely used, still it can prove itself quite useful if you need the account to be reachable by two different phone numbers on the same device. The secondary virtual number can't substitute the primary one, meaning that this field alone won't be accepted as a valid phone number. You still need to configure the primary phone number if you intend to make use of the secondary one.

 Some example for using the secondary phone number are this scenarios:

1. **User changes his own mobile phone number.** Using secondary number it is possible to configure the NEW number as primary and the OLD number as secondary. The user will be able to receive secure calls dialed both on his NEW and OLD number.
2. **User install PrivateWave client on his business phone, but his colleagues could call him both using business and private phone numbers.** Using secondary number it is possible to configure the BUSINESS number as primary and the PRIVATE number as secondary. The user will be able to receive secure calls dialed both on his BUSINESS and PRIVATE number. More often that you could expect, users initiate secure calls using the wrong number, complaining about "it does not work".

1.1.1.1.2 SNOM

In the Account List page ([figure 1. The Sip Users Table](#)) you can see an empty list of accounts. To create a new Sip User you have to click on the **New Account** button in the top of the page.

Create Account

Username	2086693379
Password	
Repeat password	
Virtual Phone Number	2086693379
Owner	
Group	ufficio SNOM
Email	
Description	
Visible	☒
Call Limit	2
Keep-alive Enabled	☒
Provisioning Profile	
Account Type	SNOM
Mac	
Deny	
Permit	

 **Create**

figure 3. Sip SNOM Account creation form

There are some few but still important differences between the [figure 3. Sip SNOM Account creation form](#) and the [figure 2. Sip Account creation form](#): security model, obfuscation Mode and Obfuscation Key fields are gone and instead you can read Deny and Permit. Due to the type of hardware underlying the SNOM account, we do assume that the hardware would be wired connected on a desktop. Also no obfuscation is possible because the device doesn't allow it. Instead the wired channel can provide us an easy to go access list, based on the LAN IP addresses. We can create both one White-List and one Black-List in order to bind the user's access to one specific device which can be identified by the LAN IP address. The different option shown are:

- **Deny**
- **Permit**

Deny

Deny represent the blacklist based on the IP address and the net mask we want to deny when associated to the current user. You have to write this in the form: <ipaddress>/<network mask>

Examples:

- 192.168.0.38/255.255.255.255 : Denies traffic from this IP address
- 0.0.0.0/0.0.0.0 : Denies every address

Permit

Permit is the exact opposite of the Deny option. It represent the whitelist based on the IP address and the net mask we want to have access. You have to write this in the form: <ipaddress>/<network mask>

Example:

- 192.168.0.38/255.255.255.0 : Allows traffic from this Network



EXAMPLE

You may have multiple rules for masking traffic. Combining together the **Deny** and the **Permit** option let you have a **fine grain** rule of access for any single user's account.

Please keep in mind that the access rules are processed **from the first to the last**, meaning that the **Deny** will be used first and then will be analysed the **Permit** one.

So:

Deny: 0.0.0.0/0.0.0.0

Permit: 216.27.242.66/255.255.255.255

Deny every address except for the only one allowed.

1.1.1.1.3 Actually create the Account

After you filled in the form (either the PGSM or the SNOM one), please click on the Create icon at the page's bottom.

Show Account

Account updated

State

History

Configuration

Online

Ip Addr

216.27.242.66

Port

53,247

Useragent

PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2

License

Valid license

Id

808E713A

Type

SUBSCRIPTION

Expiration

Sat Mar 15 14:20:46 CET 2014

figure 4. new SIP account



An information line advice the operation just performed.

You'll get back the **Account List** page and the table shows now your new user ([figure 4. new SIP account](#)).



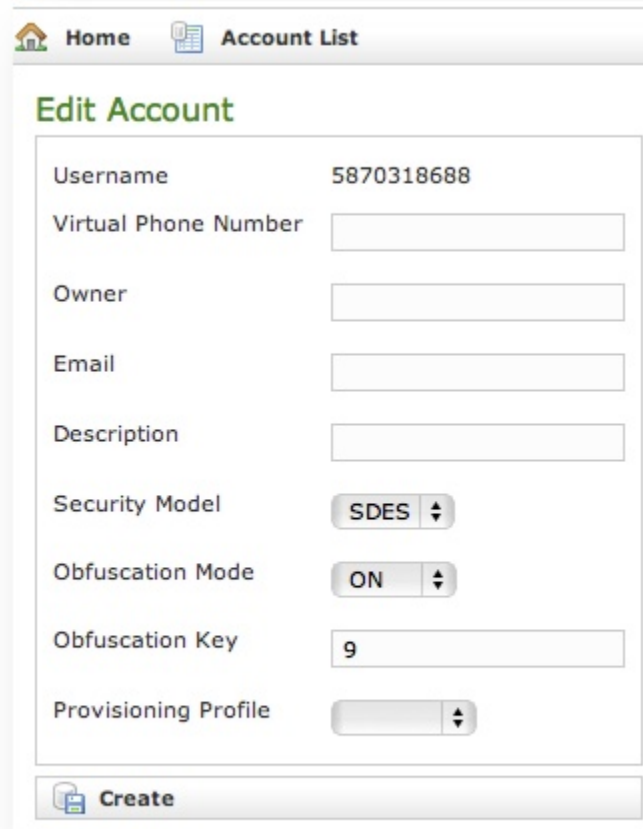
Using this way makes the account enabled by default.

To use the automatic activation even in the plain way go reading the [1.1.4 Automatic Activation](#).

1.1.1.2 Create a new account, the wizard way (automatic activation)

The "wizard way" is the new method for creating accounts. It's made for easing the load on the service manager's shoulder, letting him/her focusing on the service configuration without having to bother about the installation and configuration of the client.

In the Account List page ([figure 1. The Sip Users Table](#)) you can see an empty list of accounts. To create a new Sip User you have to click on the **New Account (Activation Wizard)** button in the top of the page.



The screenshot shows a web interface with a top navigation bar containing 'Home' and 'Account List' links. Below this is a form titled 'Edit Account'. The form contains several fields: 'Username' with the value '5870318688', 'Virtual Phone Number' (empty), 'Owner' (empty), 'Email' (empty), 'Description' (empty), 'Security Model' with a dropdown menu showing 'SDES', 'Obfuscation Mode' with a dropdown menu showing 'ON', 'Obfuscation Key' with the value '9', and 'Provisioning Profile' with a dropdown menu. At the bottom of the form is a 'Create' button.

figure 5. new account by wizard

You'll see the "Edit Account page" with a precompiled, non-editable username as in [figure 5. new account by wizard](#).

Please set a **Virtual Phone Number** and choose a **Provisioning Profile**.

! If you do not insert the international prefix before the real phone number then you cannot use the automatic activation features

If not differently configured, the default values for the **Obfuscation** are fine. The other fields are optional.

! In this mode the password is automatically chosen by the system and it's not editable

Compile all necessary fields of the new account, select a Provisioning Profile and click on "Create". Now jump to paragraph 1.0.3.6 for activate the user.

! In the "wizard way" the user's account are **DISABLED** until the automatic activation is performed!

1.1.1.3 Create a new account, the batch way

The "batch way" is an account creation mode designed specifically for large number of users to be created quickly.

Starting from *Account List* page [figure 1. The Sip Users Table](#) click on the *Create batch account* action to open *Create batch account* page:

Create Batch Account

File format example

fullName,gsmNumber,email,securityModel,description

Alessandro Bergamaschi,+391234567890,alessandro.bergamaschi@privatewave.com,end-to-site,Personal account

Import CSV file

Choose File

No file chosen

Group

test group

Provisioning profile

Create

figure 6. create batch account

Prepare a .csv file with some account. The file must be formatted as the example below, keeping header names in the first row

batch users csv	
fullName,gsmNumber,email,securityModel,description Alessandro Bergamaschi,+391234567890,alessandro.bergamaschi@acme.com,end-to-site,Personal account Luigi Rossi,+3932456753,luigi.rossi@acme.com,end-to-site,Personal account Marco Bianchi,+39432242342,mbianchi@gmail.com,end-to-site,Personal account Mario Colombo,+394325346546,colombo.mario@acme.com,end-to-site,Personal account	

Select the default provisioning profile and a group for the newly account created. Upload the file and click create: you'll be leaded to the Group list page.

Once you've done you can choose whether to manually activate the user or to lean on the automatic activation.

1.1.1.4 Account's details

The figure [figure 4. new SIP account](#) shows the last step of the procedure for account creation, but it's the same view you can get clicking on the **Details** link in the first column of the account's list (as in [figure 1. The Sip Users Table](#)).

Three tabs are shown in the Account's details window:

- State
- History
- Configuration

State is the default view you get and shows if the Account is connected and his licence status.

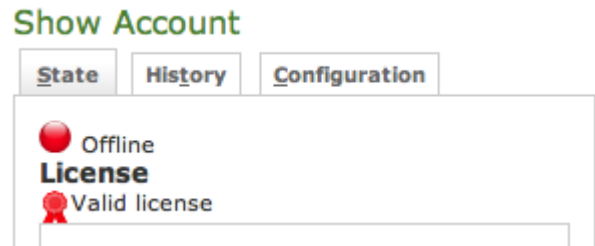


figure 7. State of the account show he's off-line

History shows any relevant information about the account.

Show Account

State

History

Configuration

Timeline

Account created

2013-09-19 12:07:23.0

Installation Sms Sent

2013-09-19 12:07:47.0

Installation Sms Clicked

2013-10-11 12:38:03.0

Activation Sms Sent

2013-10-11 12:39:24.0

Activation Sms Clicked

2013-10-15 16:57:17.950

Last Registered

2013-10-15 16:57:17.950

Latest session events

All events

Timestamp	Event	Source	Details	Useragent	Remoteaddr	TlsCipher	Transport
2013-10-15 17:07:53.028	DISCONNECT	SERVER	READ_TIMEOUT	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:55047	AES256-SHA	TLS
2013-10-15 17:07:23.964	UNREGISTER	CLIENT	REQUEST	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:81047	AES256-SHA	TLS
2013-10-15 16:57:17.950	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:81047	AES256-SHA	TLS
2013-10-15 16:57:17.354	CONNECT	CLIENT		PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:55047	AES256-SHA	TLS
2013-10-15 14:42:52.140	UNREGISTER	SERVER	EXPIRATION	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2			TLS
2013-10-15 14:23:18.404	DISCONNECT	SERVER	READ_TIMEOUT	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:12611	AES256-SHA	TLS
2013-10-15 14:22:48.334	UNREGISTER	CLIENT	REQUEST	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:12511	AES256-SHA	TLS
2013-10-15 14:13:44.062	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:11911	AES256-SHA	TLS
2013-10-15 13:53:40.922	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:12611	AES256-SHA	TLS
2013-10-15 13:33:36.982	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:12511	AES256-SHA	TLS
2013-10-15 13:13:34.882	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:11911	AES256-SHA	TLS
2013-10-15 12:53:31.456	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:12611	AES256-SHA	TLS
2013-10-15 12:33:29.916	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:12511	AES256-SHA	TLS
2013-10-15 12:13:26.160	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:11911	AES256-SHA	TLS
2013-10-15 11:53:24.694	REGISTER	CLIENT	200 OK	PGSM_ENT-11.3.3386-android samsung-GT-19100/4.1.2	93.87.81.37:12611	AES256-SHA	TLS

All events

Latest calls

All dialed calls

All received calls

Call Date	Caller Number	Caller	Caller Group	Callee Number	Callee	Callee Group	Total Duration	Call Duration	Disposition	Hangup cause	Call id	Call type	Call route
2013-10-15 14:23:36 CEST	+390488322648	Blackjain Fanatic	Test Ruffly	+393488874206	Samsung Galaxy s2	Test Ruffly	0	0	FAILED	NO_ANSWER	23060029	CALL	
2013-10-15 14:23:23 CEST	+390455322648	Blackjain Fanatic	Test Ruffly	+393488874206	Samsung Galaxy s2	Test Ruffly	0	0	FAILED	NO_ANSWER	1752597155	CALL	
2013-10-15 14:23:06 CEST	+390488322648	Blackjain Fanatic	Test Ruffly	+393488874206	Samsung Galaxy s2	Test Ruffly	0	0	FAILED	NO_ANSWER	166799483	CALL	
2013-10-15 14:22:52 CEST	+390488322648	Blackjain Fanatic	Test Ruffly	+393488874206	Samsung Galaxy s2	Test Ruffly	8	0	NO_ANSWER	SUBSCRIBER_ABSENT	1592947444	CALL	Message generated
2013-10-15 14:22:07	+390488322648	Blackjain Fanatic	Test Ruffly	+393488874206	Samsung Galaxy s2	Test Ruffly	20	15	ANSWERED	NO_ANSWER	1706018279	CALL	

figure 8. Show account. History tab

As you can see in [figure 8. Show account. History tab](#) there are three main subsections:

- 1. Timeline** lists all the informations about the creation and activation of the account as well as date and time of text messages sent and received.
- 2. Last session events** is an excerpt of the SIP Sessions targeted to the account.
- 3. Latest calls** is an excerpt of the CDR showing all the recent calls placed by the account. It's possible to show all the received calls as well, by clicking on the **All received calls** at the list's bottom.

 Each list is expandable to show any record related to the account. This is possible by using the proper links at the bottom of each form displayed.

Configuration is what's left of the account's details form as it was intended in previous versions of PrivateServer .

Show Account

State History Configuration

Available actions

- Send Installation Sms
- Send Activation Sms
- Disable account

Username	3846874688
Virtual Phone Number	+383884857520
Virtual Phone Number (secondary)	
Owner	Samsung Galaxy s3
Group	Test Buffer
Email	
Description	Test Android
Call Limit	3
Provisioning Profile	default
Account Type	PCSN
Security Model	SDES
Obfuscation Mode	ON
Obfuscation Key	9
Enabled	true
Account created	
Installation sent	2013-09-09 12:07:03.0
Activation sent	2013-09-09 12:08:03.0
Installation clicked	2013-09-09 12:07:47.0
Activation clicked	2013-09-09 12:08:04.0
Last SIP register	2013-09-09 14:07:17.000

Refresh Edit Delete

figure 9. account configuration

From this summary of the account's configurations you can manage the account itself. It's possible to **Send Installation Sms** or to **Send Activation Sms**, action which we explore deeper in paragraph 1.1.4, as well as to **Disable account**. The last action inhibits the user to call or to be called and a specific Audio Message is issued by the PrivateServer to inform the user.

It's also possible to **Edit** the account's settings (more about this in the paragraph 1.1.2), **Refresh** account's data (which is proved to be quite useful to monitor the Text Messages status, like the **Installation clicked**) or simply **Delete** (paragraph 1.1.3) the account itself. In the following paragraphs you'll read more about account's management.

1.1.2 Update the Account

To change the SIP Account values you need to reach the form showed in figure 9. account configuration, which has been explained in the paragraph 1.1.1.4. Once there, you can just press the **Edit** button at the bottom.

Edit Account

Username	test@192.168.0.1
Password	
Repeat password	
Virtual Phone Number	+1234567890123456
Virtual Phone Number (secondary)	
Owner	Samsung Galaxy s2
Group	Test Group 1
Email	
Description	Test Android
Call Limit	2
Keep-alive Enabled	☐
Provisioning Profile	default
Account Type	Push
Security Model	SCES
Obfuscation Mode	ON
Obfuscation Key	12

Update Delete

figure 10. form for changing account's parameters

In the form that would be presented to you (shown in [figure 10. form for changing account's parameters](#)) it's possible to change any value you need to. Once you're done, click on the **Update** button at the bottom of the form to save the changes.

Show Account

Account updated

State

History

Configuration

figure 11. the account has been updated

As shown in [figure 11. the account has been updated](#) the Web Console would warn you after the updated was processed. You can check the changes clicking on the **Configuration** tab.

1.1.3 Delete the Account

In order to delete the account you have to access at the account details as described in paragraph [1.1.1.4](#). You have to get the **Configuration** details as in [figure 9. account configuration](#). At the bottom of the details window you can see a **Delete** button that's what you're looking for.



figure 12. confirm deletion

Press it and confirm the deletion in the next warning pop up window ([figure 12. confirm deletion](#)).

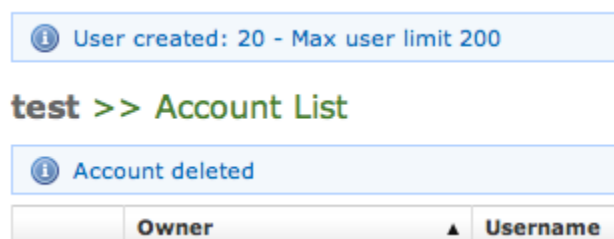


figure 13. The Account has been deleted

Once you're done, by pressing the "Ok" button, the **Account List** page will be shown up without the Account and with a warning: see [figure 13. The Account has been deleted](#)

1.1.4 Automatic Activation of the Account

After you created your new account(s) you have to configure the customer's client application PrivateWave . In the **wizard way** it's **MANDATORY** to use the automatic activation in order to enable the account. In the plain way it's optional, though useful.

The Automatic Activation is quite useful in two occasions:

1. after you just finished creating an user
2. whenever you need a quick account's reconfiguration without involving too much the user

To be able to send text messages with the Automatic Activation you first need to get the Account list ([figure 1. The Sip Users Table](#)) or the Account's configuration details ([figure 9. account configuration](#)). From both views it's possible to press the **Send Activation Sms** which would send automatically the URL of the configuration file via Text Message.

 Click on the "Send installation SMS" to send the link for downloading the application

Confirm as in the above picture and the PrivateServer advises the operation has been completed:

 Installation sms sent to :

figure 14. installation sms sent

 The SMSs are sent to the account's **Virtual Phone Number**, so please check it exist as an actual mobile phone number before using the Automatic Activation

Getting back to the account list you can read the exact status and the time of its change:

Enabled	Last Status	Last Status date
false	Installation SMS sent	2012-08-03 16:14:54.0

figure 15. account status

So what's happened is that the status has changed from **"Created"** to **"Installation SMS sent"** and the **"Last Status date"** has been updated to the time the SMS has been sent to the customer.

 The Automatic Activation and the Provisioning Profiles must be set up to have this procedure to work.

After the customer has downloaded and installed the application, the **"Last status"** changes to **"Installed"** but the **"Enabled"** is still **"False"**. **"Last Status date"** is updated as well.

Next step is to send the **"Activation SMS"** in order to enable the user to place and receive calls.

Just click on the related link at the end of the customer's row in the Account list table. As for the "Installation SMS" you are requested to confirm the action (refer to `$text.replaceAll("]>","").replaceAll("\s*\z","")`).

Note the change in the "Last Status" and in the "Last Status date": the former is now "Activation SMS sent", the latter is updated to the new time the action was performed.

You can know for sure that the user has configured his/her PrivateWave application because after the action has been performed the account's "Last Status" becomes "Activated" and the "Last Status date" is updated as in the former cases.

Now the "Enabled" fields is changed to "true" meaning that the customer is ready to go.



Please remember that if you created the account in plain way then the account is enabled by default, no matter if you sent the Activation SMS or not.

If the customer actually goes on line with the PrivateWave application, than the "Last Status" becomes "Connected".



You can check if the customer is connected using the "Registered Account" menu.

1.1.5 Disabling/Enabling an Account

If you need to temporary **block** any account in both directions so that he cannot place or receive calls, then you can just disable him. When a disabled account tries to perform secure voice actions a proper audio message is played warning about the account' status.

Any account is enabled by default.

In order to disable an account you need first to reach the form shown in [figure 9. account configuration](#). On the top of the form you can read the **Disable account** link.

Available actions



Send Installation Sms



Send Activation Sms



Enable account

figure 16. account disabled

Just press it and it will change as in [figure 16. account disabled](#). In order to enable the Account again you just have to press the **Enable account** and check the link and the related icon are changed again to the default.

1.1.6 Searching an Account

You can search search a group's accounts with the search box on the menu bar of the **Account list** page.

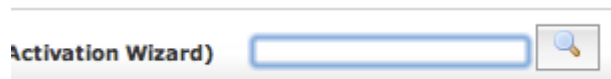


figure 17. The searching interface

The search covers the following fields of accounts:

- Owner
- Username
- Caller id
- E-mail
- Description

The search string is interpreted as a list of words, separated by spaces. All words in the search string must match. Words must match exactly, unless they contain wildcards:

- *: matches zero or more characters
- ?: matches one character, any character

Examples:

- **Marco** matches "**Marco** Rossi" and "**Marco** Bianchi", but not "Giulio Marconi"
- **Marco Rossi** matches "**Marco Rossi**", but neither "Marco Bianchi" nor "Giulio Marconi"
- **Marco*** matches "**Marco** Rossi", "**Marco** Bianchi" and "Giulio **Marconi**"

- **Marco??** matches "Giulio **Marconi**", but neither "Marco Rossi" nor "Marco Bianchi"



The search engine is based on [Apache Lucene](#); see "[Query Parser Syntax](#)" for a detailed description of the full syntax of search queries. The field names that can be used in search queries are owner, username, callerid, email and description.

1.1.7 Licensing

The communication model of the licence can change quite a bit based on how user activated his account. Manual account creation leads the licence client on PrivateWave to communicate directly with PrivateWave Italia S.r.l. 's licence server. Automatic Activated clients would communicated with their own PrivateServer , which plays the role of a proxy to PrivateWave Italia S.r.l. 's licence server. In the latter case, the current licence is cached on PrivateServer and visible in account details.



example given

Let's say we have a PrivateServer named test1.acme.com. This PrivateServer sent an Automatic Activation text message to the client PGSM_A. PGSM_A would ask to test1.acme.com for its licence validation.

If it was a manual configured account, then it would ask its licence validation to the main licence server.

Since the licence validation is an important component of the secure call, it's important that this difference in the behaviour of the client is fully understood by the Operator Manager. For instance if the [Services](#) weren't configured to let the **HTTPS/SmartPhone Web Service** be reachable on the public NIC, then the licence clients of any Automatically Activated PrivateWave s would never be able to validate their own licences and thus the client would be stuck until its licence status would be cleared somehow.

[1.0 Groups](#)

[2.0 Conference Rooms](#)