

SIP Trunk Service Panel Configuration

This panel configuration is almost same as our Regular BO solution except the **Registrar** Part. In this system you have to add the SIP credentials in Registrar page.

Required information's

1. Remote IP (IP/Domain name)
2. SIP User
3. SIP Pass
4. Caller ID
5. Remote SIP Port

Configuration can be done in 3 ways

1. Using Remote Public IP or Domain.
2. Using Remote Public IP but the SIP registration and data will be routed through clients local Router or CMER PC.
3. Using Private IP.

Remote Public IP or Domain Only

Click on **Registrar** page. Then add the above mentioned 5 credentials.

Route to: Will be **Blank**

Follow the following image.

Name	SIP_GW
Username	sipuser
Password	sippass
Call Limit	16
Caller ID	<input <+012299091>"="" type="text" value="+012299091"/>
Remote IP	146.185.142.9
Remote Sip Port	5060
Qualify	Yes ▼
Route To	▼
Login Info	

Successful registration will be shown as following image.

Registrar List

☐ View Inactive

10 ▼ records per page

Search:

S/L ▲	Name ↕	Username ↕	Call Limit ↕	IP ↕	Sip Port ↕	Route ↕	Locality ↕	Option ↕	Status ↕	Action
1	SIP_GW	sipuser	16	146.185.142.9	5060	--	--	--	registered (175 ms)	  

Remote Public IP but the SIP registration and data will be routed through clients local Router or CMER PC

This process only works with CMER Technology such as router & CMER PC.

Click on **Registrar** page. Then add the above mentioned 5 credentials.

Route to: Router or CMER PC

Locality: Internet

Route option: SIP+Voice

Follow the following image.

Name	SIP_GW
Username	sipuser
Password	sippass
Call Limit	16
Caller ID	<input <+012299091>"="" type="text" value="+012299091"/>
Remote IP	146.185.142.9
Remote Sip Port	5050
Qualify	Yes ▼
Route To	router_v5 ▼
Locality	Internet ▼
Route Option	SIP + Voice ▼
Login Info	

Successful registration will be shown as following image.

Registrar List

☐ View Inactive

10 records per page

Search:

S/L ▲	Name ▶	Username ▶	Call Limit ▶	IP ▶	Sip Port ▶	Route ▶	Locality ▶	Option ▶	Status ▶	Action
1	SIP_GW	sipuser	16	146.185.142.9	5050	router_v5	Internet	All	registered (239 ms)	  

Note: If by mistake Locality set as **Local Network** we need to change it to **Internet** then restart the PC/Router.

Private IP

This process only works with CMER Technology such as router & CMER PC.

Click on **Registrar** page. Then add the above mentioned 5 credentials.

Route to: **Router** or **CMER PC**

Locality: **Local Network**

Route option: **SIP+Voice**

Follow the following image.

Name	SIP_GW
Username	sipuser
Password	sippass
Call Limit	16
Caller ID	<input <+012299091>"="" type="text" value="+012299091"/>
Remote IP	192.168.101.10
Remote Sip Port	5050
Qualify	Yes ▼
Route To	router_v5 ▼
Locality	Local Network ▼
Route Option	SIP + Voice ▼
Login Info	

Note: If by mistake Locality set as **Internet** we need to change it to **Local Network** then restart the PC/Router.

Caller ID Format

If Caller ID is +012299091. Then add it like "+012299091" <+012299091>

TL-MR3420 V3

For this version CMER router OS is not updated, we need to update is manually.

Location: /etc/roc

File name: startup, client_up.sh, client_down.sh, firewall.add, firewall.del

Copy this files content from any router (version 1.2) and update this file accordingly. Do forget to add noping.

CMER PC Command adding process for SIP Trunk Solution

For Sip trunk Configuration You have to add a Line in CMER PC's **client_up.sh**

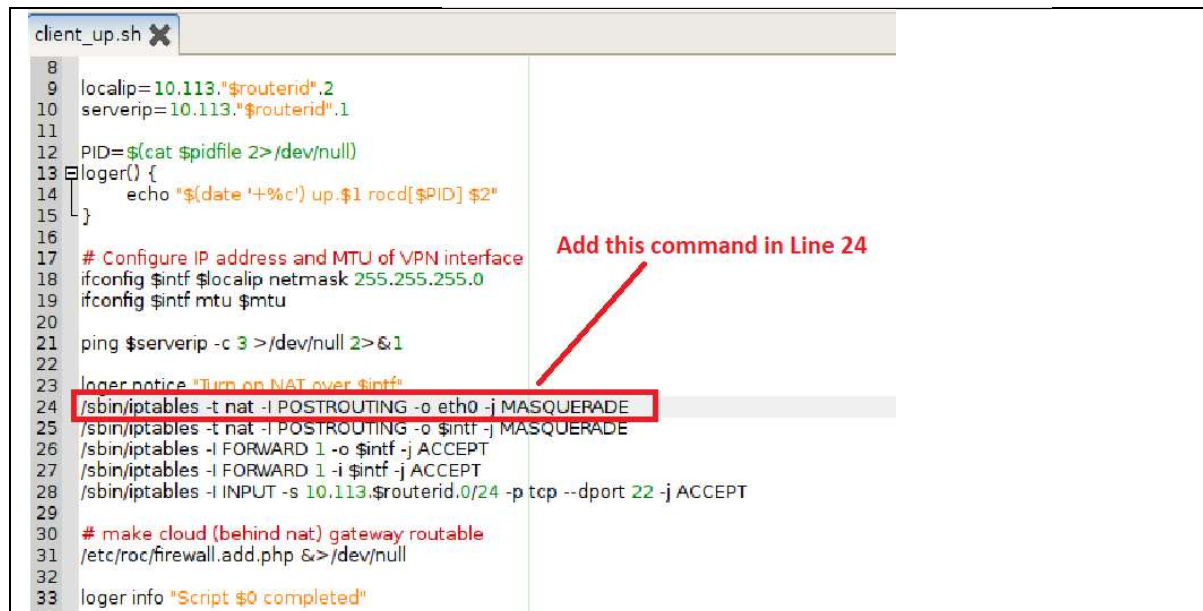
Type **ifconfig** to check the active internet interface (eth0...eth1....)

Then edit

/etc/roc/client_up.sh

And add this line.

/sbin/iptables -t nat -I POSTROUTING -o eth0 -j MASQUERADE



```
client_up.sh X
8
9 localip=10.113."$routerid".2
10 serverip=10.113."$routerid".1
11
12 PID=$(cat $pidfile 2>/dev/null)
13 logger() {
14     echo "$(date '+%c') up.$1 rocd[$PID] $2"
15 }
16
17 # Configure IP address and MTU of VPN interface
18 ifconfig $intf $localip netmask 255.255.255.0
19 ifconfig $intf mtu $mtu
20
21 ping $serverip -c 3 >/dev/null 2>&1
22
23 logger notice "Turn on NAT over $intf"
24 /sbin/iptables -t nat -I POSTROUTING -o eth0 -j MASQUERADE
25 /sbin/iptables -t nat -I POSTROUTING -o $intf -j MASQUERADE
26 /sbin/iptables -I FORWARD 1 -o $intf -j ACCEPT
27 /sbin/iptables -I FORWARD 1 -i $intf -j ACCEPT
28 /sbin/iptables -I INPUT -s 10.113.$routerid.0/24 -p tcp --dport 22 -j ACCEPT
29
30 # make cloud (behind nat) gateway routable
31 /etc/roc/firewall.add.php &>/dev/null
32
33 logger info "Script $0 completed"
34
```