



AppNote

VoxStack GSM Gateway Connect with iCallDroid Manual

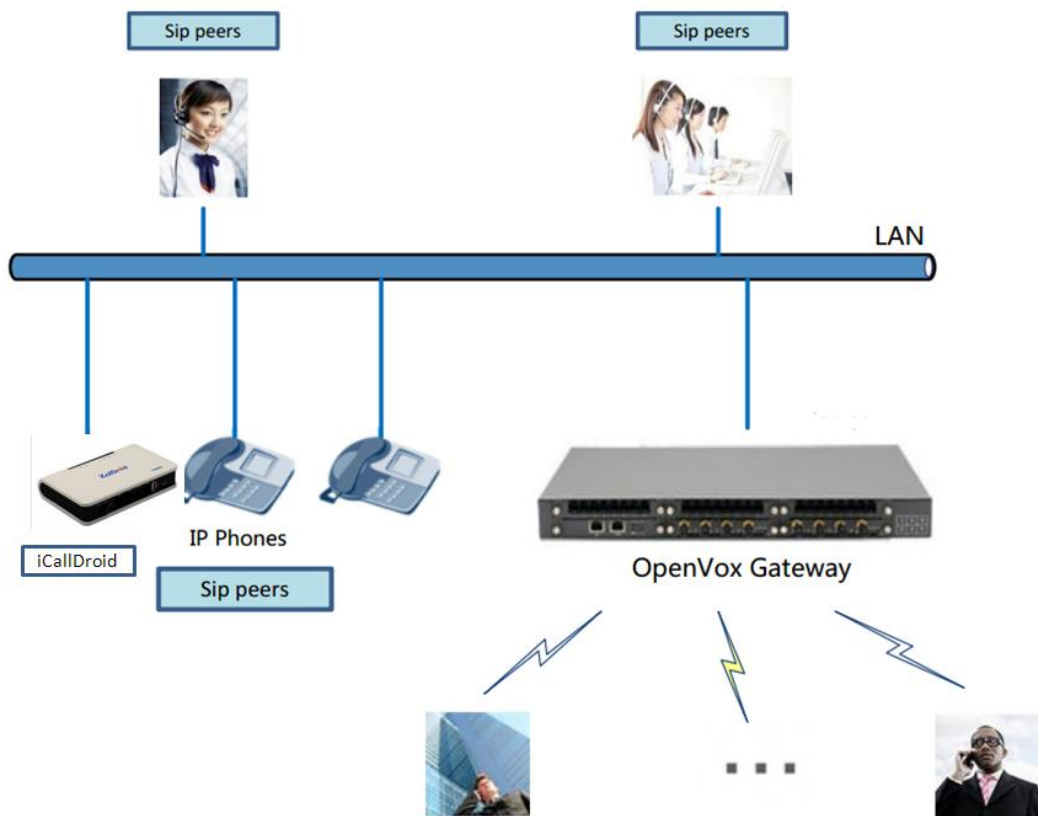
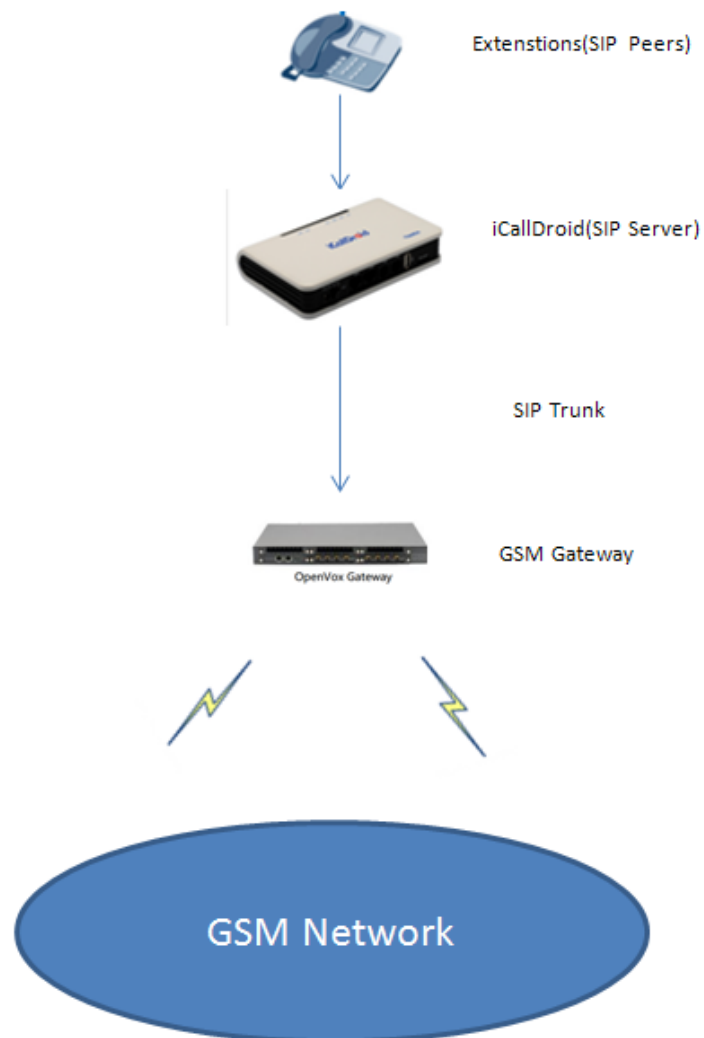


TABLE OF CONTENTS

The Topology	3
Create a Trunk Connect Gateway with iCallDroid	4
Create Trunk in iCallDroid	4
Create Trunk in GSM Gateway	6
Create an Outgoing Call Rules in iCallDroid	7
Create a Dialplan in iCallDroid	8
Create an Extension in iCallDroid.....	9
Create a Rule in GSM Gateway.....	11
Tips:	13

The Topology

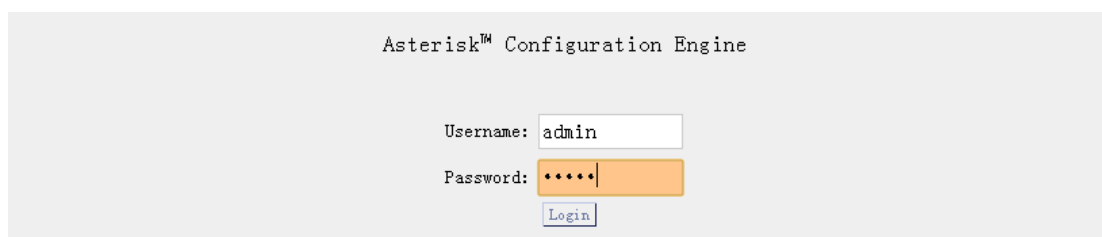


This manual is based on the topology, to guide you how to configure between iCallDroid and GSM Gateway.

Create a Trunk Connect Gateway with iCallDroid

Create Trunk in iCallDroid

Step 1: Login your iCallDroid.



Asterisk™ Configuration Engine

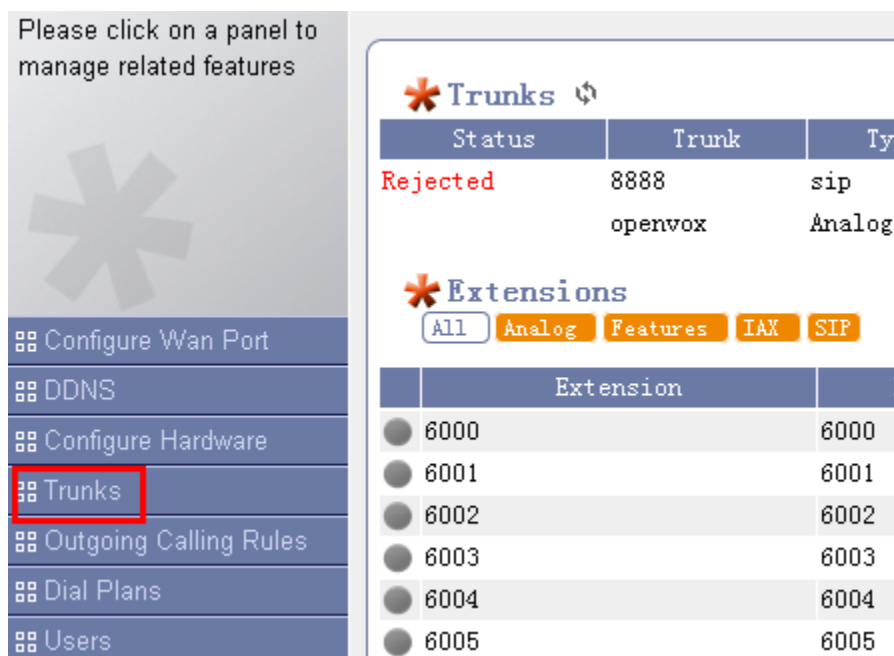
Username:

Password:

Please input your username and password, then click the login. You will access the iCallDroid world.

Step 2: Create a Trunk for the GSM Gateway:

Please click the Trunk button, follows:



Please click on a panel to manage related features

- Configure Wan Port
- DDNS
- Configure Hardware
- Trunks**
- Outgoing Calling Rules
- Dial Plans
- Users

* Trunks

Status	Trunk	Type
Rejected	8888	sip
	openvox	Analog

* Extensions

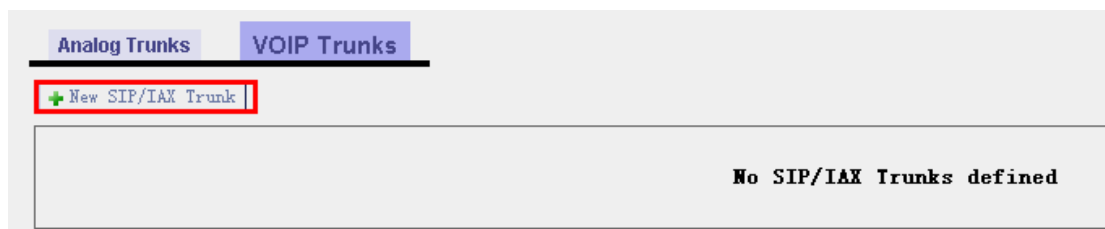
Extension	Type
6000	6000
6001	6001
6002	6002
6003	6003
6004	6004
6005	6005

Step 3: Choose the VOIP Trunk, follows:



Notice: Because the iCallDroid connect the gateway via SIP protocol, so Please choice the “VOIP Trunk”.

Step 4: Add a new SIP Trunk, for example:



Please click the New SIP/IAX Trunk.

Step 5: Configure the Trunk, like flows:

Create New SIP/IAX trunk

Type:

Context Naming ⓘ:

Provider Name ⓘ:

Hostname ⓘ:

Username ⓘ:

Password :

Type: Choose the Protocol Type, please choose the SIP

Hostname: The gateway IP address

Notice: Don't forget to save it (Click the Save button, and then click the Apply Changes)

When you finished the Trunk configuration, you will see it on Trunk menu.

8888	SIP	172.16.8.42	8888	Edit	Delete
------	-----	-------------	------	----------------------	------------------------

Now, we have finished the Trunk configuration in iCallDroid. Next, let us configure a trunk in GSM Gateway connect it with iCallDroid.

Create Trunk in GSM Gateway

Step 1: login your GSM Gateway

Step 2: Access the SIP menu, flows:



Step 3: Click the Add New SIP Endpoint

[Add New SIP Endpoint](#)

Step 4: Configure the Trunk in GSM Gateway, flows:

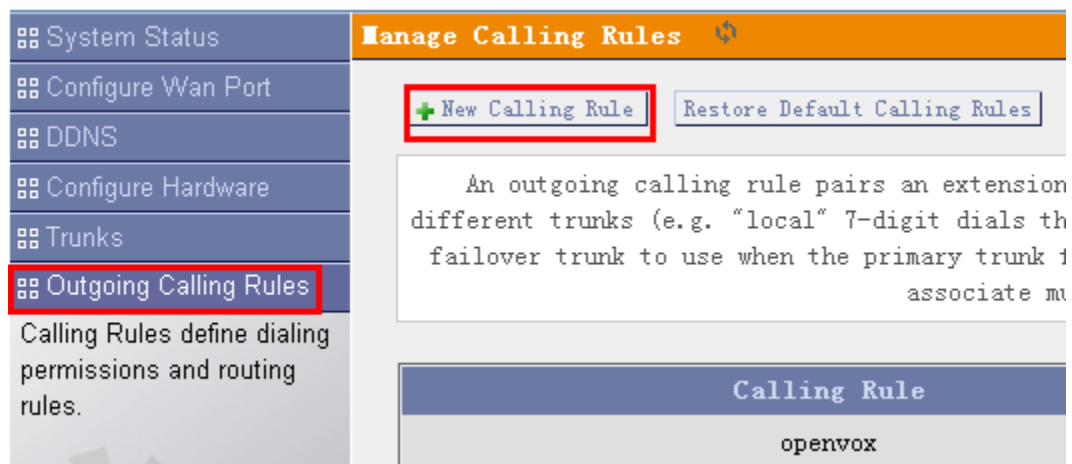
Main Endpoint Settings	
Name:	Trunk2Icall
User Name:	8888 <input type="checkbox"/> Anonymous
Password:	8888
Registration:	None
Hostname or IP Address:	172.16.8.50
Transport:	UDP
NAT Traversal:	Yes

Step 5: Save it and apply.

So far, we have created a Trunk connected the GSM Gateway with iCallDroid. Now Let us continue.

Create an Outgoing Call Rules in iCallDroid

Step 1: Click the Outgoing Calling Rules, and then click the New Calling Rule, follows:



Step 2: Configure the Outgoing Call Rules in iCallDroid, follows:

New CallingRule

Calling Rule Name ⓘ : Test_out_rule

Pattern ⓘ : _X.

Caller ID ⓘ :

Send to Local Destination ⓘ

Destination : [Dropdown]

Send this call through trunk:

Use Trunk ⓘ 8888

Strip ⓘ digits from front

and Prepend these digits ⓘ before dialing

using this filter: ⓘ

Use FailOver Trunk ⓘ :

fail over Trunk ⓘ [Dropdown]

Strip ⓘ digits from front

and Prepend these digits ⓘ before dialing

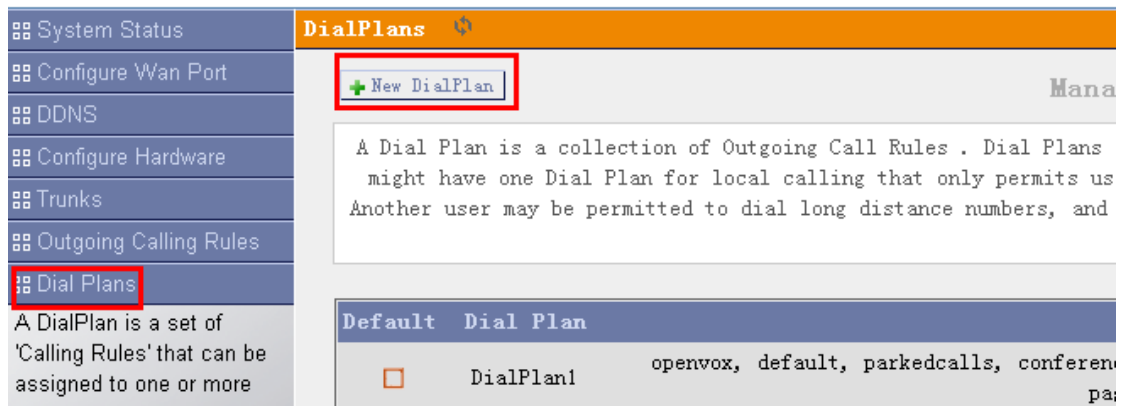
using this filter: ⓘ

[Cancel] [Save]

Set a name for the outgoing rule and choice the Trunk to send the Call.
Notice: Don't forget to save it and apply.

Create a Dialplan in iCallDroid

Step 1: Please choose the “Dial Plans” menu, and click the “New DialPlan” button.



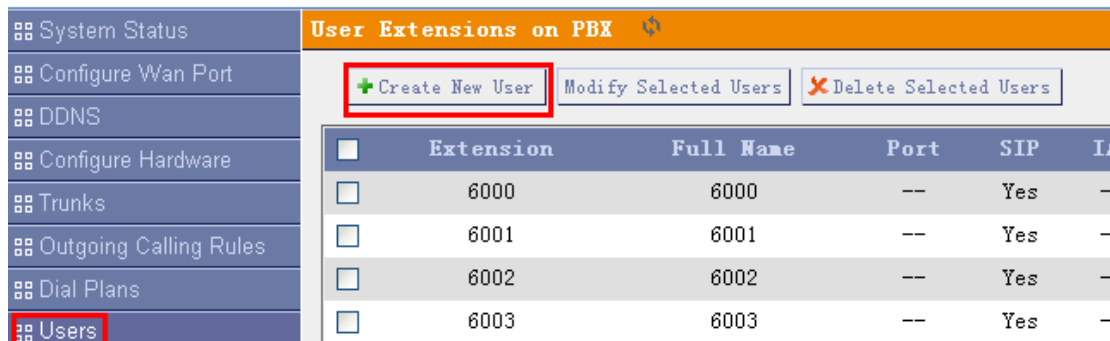
Step 2: Configure the DialPlan, like flows:



Notice: Please choose the outgoing rules you created, I have create an outgoing rule before. And then save it and apply.

Create an Extension in iCallDroid.

Step 1: Please access the “user” menu, and then click “add new user”, like follows:



Notice: you can use the default Users.

Step 2: Configure the new user, as below:

General :

Extension: 6010 ⓘ CallerID Name: 6010 ⓘ DialPlan: Test_dialplan ⓘ
Internal CallerID: 6010 ⓘ CallerID Number: 6010 ⓘ

Enable Voicemail for this User ⓘ
VoiceMail Access PIN code: ⓘ Email Address: ⓘ

Technology

SIP ⓘ IAX ⓘ Analog Station: None ⓘ flash ⓘ: ⓘ rxflash ⓘ: ⓘ
Codec Preference : First : u-law ⓘ Second : GSM ⓘ Third : None ⓘ Fourth : None ⓘ Fifth : None ⓘ

VoIP Settings

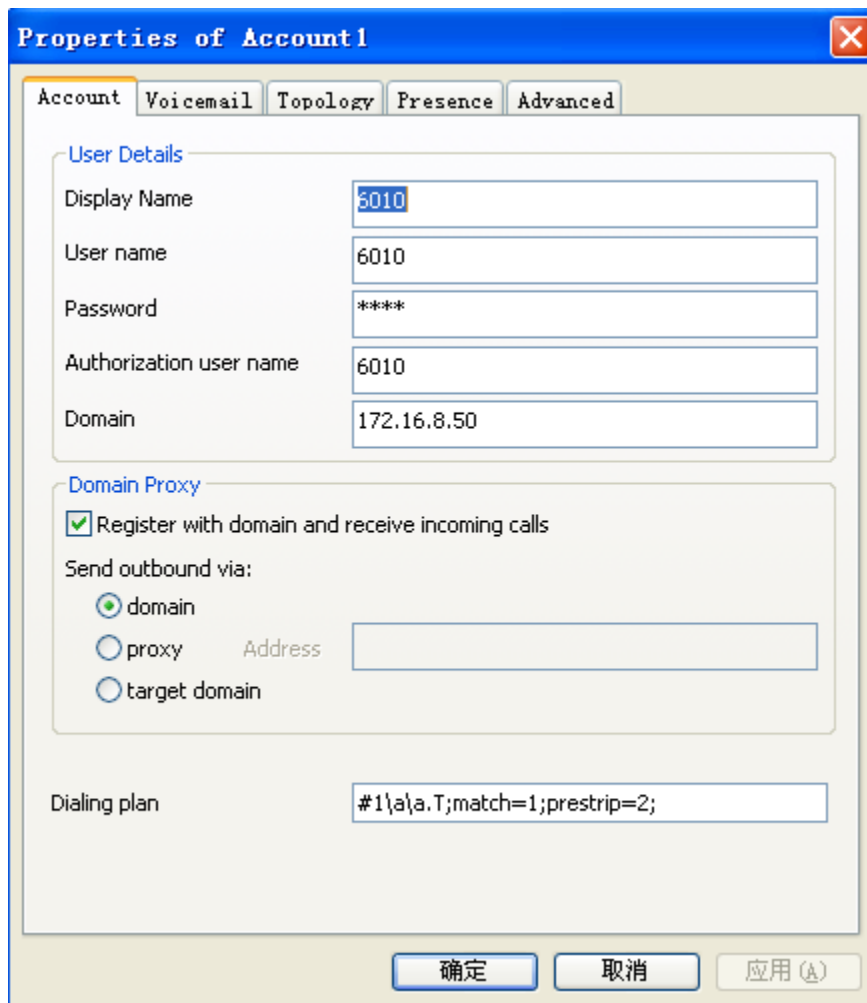
MAC Address : 6010 ⓘ Line Number : 1 ⓘ LineKeys: 1 ⓘ
SIP/IAX Password: 6010 ⓘ IAX: Require Call Token: ⓘ
IAX: Max Call Numbers: ⓘ
NAT: ⓘ Can Reinvite: ⓘ DTMF Mode: RFC2833 ⓘ insecure: no ⓘ

Other Options

3-Way Calling (analog) ⓘ In Directory ⓘ Call Waiting (analog) ⓘ
 ADA User ⓘ Is Agent ⓘ Pickup Group: 1 ⓘ

Notice: Please choose the DialPlan that I have created before, so what I choose is the dialplan "Test_dialplan".

Step 3: Register a SIP extension to iCallDroid. For example:



Properties of Account1

Account | Voicemail | Topology | Presence | Advanced

User Details

Display Name: 6010

User name: 6010

Password: ****

Authorization user name: 6010

Domain: 172.16.8.50

Domain Proxy

Register with domain and receive incoming calls

Send outbound via:

domain

proxy Address: []

target domain

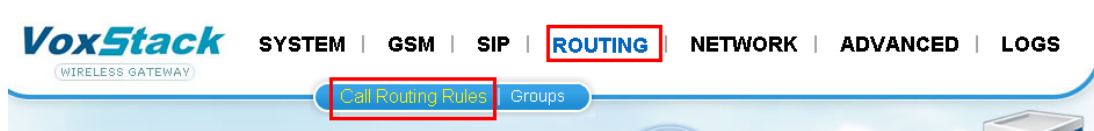
Dialing plan: #1\a\a.T;match=1;prestrip=2;

确定 取消 应用 (A)

For now, we have finished the config in iCallDroid.

Create a Rule in GSM Gateway

Step 1: Click the ROUTING → Call Routing Rules:



Step 2: Add a new rules, like below:

New Call Routing Rule Save Orders




Step 3: Configure the rules:

Call Routing Rule	
Routing Name:	<input type="text" value="gsm1 out"/>
Call Comes in From:	<input type="text" value="Trunk2lcall"/> → Trunk
Send Call Through:	<input type="text" value="gsm-1"/> → SIM card

Please save it and apply.

Now we have finished the configuration, let's make a test.



GSM Information									
Port	Signal	BER	Carrier	Registration Status	PDD(s)	ACD(s)	ASR(%)	GSM Status	Remain Time
gsm-1		0	CHINA MOBILE	Registered (Home network)	3	12	100	CALL ACTIVE Called to 10086 00:00:19	No Limit
gsm-2		0	CHINA MOBILE	Registered (Home network)	0	0	0	READY	No Limit
gsm-3		7	CHINA MOBILE	Registered (Home network)	0	0	0	READY	No Limit

As you see, now we have established a call.

Tips:

Any questions during configuration, please consult in our forum or look up for answers from the following website:

<http://bbs.openvox.cn/>

<http://wiki.openvox.cn/index.php/%E9%A6%96%E9%A1%B5>