

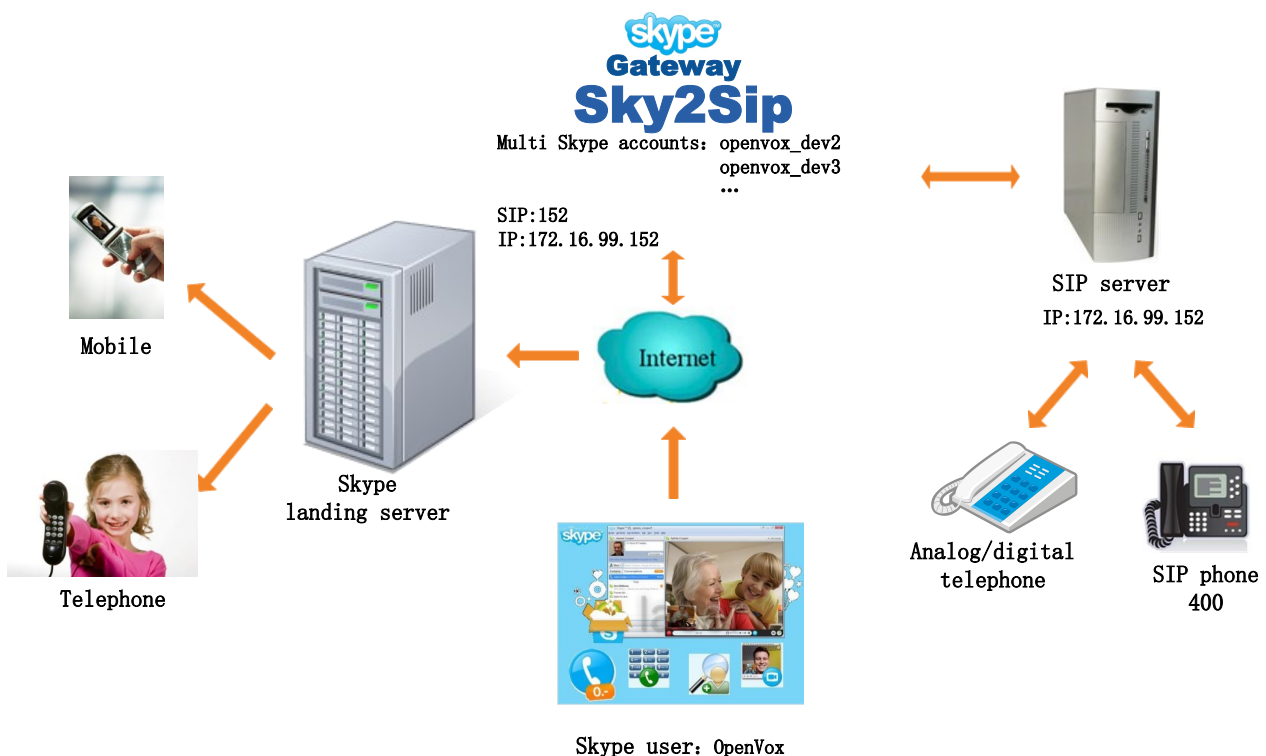
Quickstart Guide

Multi Sky2Sip

Connect with

Elastix[®]

First of all, thank you for choosing OpenVox Skype gateway -Sky2Sip with multi accounts, we will make our best efforts for more creative products. Now please follow me to know how to install and set multi Sky2Sip connect with Elastix[®] server.



Like the above figure, the software package Sky2Sip can be installed in the SIP server or another server. The Sky2Sip server must be Linux X86 platform until now, 32 bit and 64 bit are both compatible, and can maximum bear 32 concurrent calls.

PBX Configuration

Please turn to Elastix web to Configure like the following to add a SIP trunk:

PBX Configuration

Basic

- Extensions
- Feature Codes
- General Settings
- Outbound Routes
- Trunks

Inbound Call Control

Add a Trunk

- + Add SIP Trunk
- + Add DAHDI Trunk
- + Add Zap Trunk (DAHDI compatibility mode)

General Settings

Trunk Name: sky2sip_152

Outbound Caller ID: 152

CID Options: Allow Any CID v

Maximum Channels:

Disable Trunk: Disable

Monitor Trunk Failures: Enable

Dialed Number Manipulation Rules

(prepend) + prefix | match pattern 🗑

+ Add More Dial Pattern Fields Clear all Fields

Dial Rules Wizards: (pick one)

Outbound Dial Prefix:

Outgoing Settings

Trunk Name: 152

PEER Details:

```

host=172.16.99.152
port=5600
type=friend
insecure=invite
context=from-pstn
secret=152
disallow=all
allow=alaw&ulaw&G729
fromuser=152
      
```

Add Route

Route Settings

Route Name: 9_outside

Route CID: Override Extension

Route Password:

Route Type: Emergency Intra-Company

Music On Hold?: default v

Time Group: ---Permanent Route--- v

Dial Patterns that will use this Route

(prepend) + 9 | [. / CallerId]

(prepend) + prefix | [match match pattern CallerId]

+ Add More Dial Pattern Fields

Dial patterns wizards: (pick one)

Trunk Sequence for Matched Routes

0 sky2sip-152

1

Add Trunk

Submit Changes

Extensions

- Feature Codes
- General Settings
- Outbound Routes
- Trunks
- Inbound Call Control
- Inbound Routes
- Zap Channel DIDs
- Announcements

Add an Extension

Please select your Device below then click Submit

Device _____

Device Generic SIP Device

Submit

Add SIP Extension

Add Extension

User Extension 400

Display Name 400

CID Num Alias

SIP Alias

Device Options

This device uses sip technology.

secret 400

dtmfmode rfc2833

Dial-up Process

- **Calling out flow:**

1) Direct Dialing Mode

Local SIP phone 400 → Sky2Sip transfer SIP signaling to Skype → Skype landing server → Mobile/Telphone user

Ex: 9 +country code + called number

2) Secondary Dialing Mode

Local SIP user 400 → SIP extension 6001 in Sky2Sip → Sky2Sip transfer SIP signaling to Skype → Skype landing server → Mobile/Telphone user

Ex: country code + called number

- **Calling in flow:**

1) Direct Dialing Mode

Skype remote user → Sky2Sip transfer Skype to SIP → SIP server → Local SIP Phone

2) Secondary Dialing Mode

Skype remote user → Skype account gateway login → Sky2Sip transfer Skype to SIP → SIP server → SIP phone

I think you have known many things about Sky2sip through the above introduction. Now please follow me to set your Skype.

Skype Configuration

Step One :

Installation

Run the following commands in your Linux CLI : (“xxx” means version number)

```
tar -zxvf SkypetoSipGwMulti+xxx.tar.gz
chmod 777 install.sh
./install.sh
```

If you want to unload your Sky2sip, run the following command in your Linux CLI:

```
./uninstall.sh
```

Step Two :

Log In

For example, if Sky2Sip is installed in the server Whose IP is **172.16.99.152**, please enter **http://172.16.99.152:9999** in your Firefox browser to login web, default username/ password is **admin/admin**.

Step Three: Sip

1.SIP Endpoints

Please press **Add New SIP Endpoint** then you will see following figure. We have added a sip trunk (for **Direct Dialing Mode**) named 152 on the Elastix Web (You can turn to Page 2 for detail information).

Add a New SIP Endpoint

Main Endpoint Settings	
User Extension:	152
Display Name:	152
Authorization Name:	152
Password:	152
Registered SIP:	<input type="checkbox"/>
Hostname or IP Address:	172. 16. 99. 152
Port:	5060

(For direct dialing mode, you can choose to register SIP or not)

Before next step, we should add an Extension 6001 on Elastix Web for **Secondary Dialing Mode** (Same to the installation of 400 on Page 3).

Then turn to Sky2sip webpage, go on installing like this:

Add a New SIP Endpoint

▼ Main Endpoint Settings

User Extension:	6001
Display Name:	6001
Authorization Name:	6001
Password:	6001
Registered SIP:	<input checked="" type="checkbox"/>
Hostname or IP Address:	172.16.99.152
Port:	5060

Save Cancel

For Secondary Dialing Mode, don't forget to chose

Registered SIP:

2. Advanced Sip settings

You don't need to do any change except fill in the Skype Gateway SIP Port block with 5600.

SIP Advance Setting

Skype Gateway IP Address:	172.16.99.152 ▼
Skype Gateway SIP Port:	5600
DTMF Generate:	40 ms ▼
Registered Interval(s):	600
Prompt Tone Language:	English ▼
Audio Codec:	alaw ▼

Save

Step Four: Skype

1. Skype ID

You can add multi Skype accounts.

Add a New Skype

▼ Skype Settings

Skype Account:	openvox_dev2
Skype Password:	●●●●●●●●●●

Save Cancel

After saving, the Skype list like follows:

Skype List

Skype Account	Balance point	CallOutTime	Skype Status	Actions
openvox_dev2	258	0	online	
openvox_dev3	309	0	online	
openvox_test1	0	0	online	

Add New Skype

2. Skype group settings

You can create one or more groups as shown below:

Create a Group

Skype Group Setting

Skype Group Name:	<input type="text" value="group1"/>	
Skypes:	<i>unselected group</i> ^ <input type="text" value="openvox_test1"/>	<i>selected group</i> ^ <input type="text" value="openvox_dev2"/> <input type="text" value="openvox_dev3"/>

Advanced Skype Group Setting

Max. limiting calling time per day(min):	<input type="text" value="1000"/>
Max. different called numbers per day:	<input type="text" value="50"/>
The interval times before next call(min):	<input type="text" value="2"/>
Condition For Outbound:	Min Call Times ▼

Create a Group

Skype Group Setting

Skype Group Name:	<input type="text" value="group2"/>	
Skypes:	<i>unselected group</i> ^ <input type="text" value="openvox_dev2"/>	<i>selected group</i> ^ <input type="text" value="openvox_dev3"/> <input type="text" value="openvox_test1"/>

Advanced Skype Group Setting

Max. limiting calling time per day(min):	<input type="text" value="1000"/>
Max. different called numbers per day:	<input type="text" value="50"/>
The interval times before next call(min):	<input type="text" value="2"/>
Condition For Outbound:	Min Call Times ▼

3. Advanced Skype Settings

The following figure means when sip openvox_test1 dials 666, the call will be connected to the Skype account openvox1, the same to 667 and 668.

Outbound Setting

Skype: openvox_test1

Outbound To Skype Route

Route:	Destination	Action
666	>> openvox1	✗
667	>> openvox2	✗
668	>> openvox3	✗

+ Add Route Fields

Save

Step Five: Routing

1. Call Routing Rules

1) Outbound

Create a call routing rule sip->skype for **Direct Dialing Mode**.

Create a Call Routing Rule

Call Routing Rule

Routing Name: sip->skype

Call Come From: 152

Dialing Mode: Direct Dial Mode

Send Call Through: group1

Save Cancel

Create a call routing rule sip->skype2 for **Secondary Dialing Mode**.

Create a Call Routing Rule

Call Routing Rule	
Routing Name:	sip->skype2
Call Come From:	6001
Dialing Mode:	Secondary Dial Mode
Send Call Through:	group2

2) Inbound

For example, if you want to directly dial a Skype account in group1, Sip 400 rings, you can configure like this:

Create a Call Routing Rule

Call Routing Rule	
Routing Name:	skype->sip
Call Come From:	group1
Dialing Mode:	Direct Dial Mode
Send Call Through:	152
Display Skype Account:	<input checked="" type="checkbox"/>
Inbound Direct Dial Num:	400

When you dial Skype account in group2 with Secondary Dialing Mode, you will be asked to input any extension number and end your input with “#” , after hearing warning tone. You can configure your routing as follows:

Create a Call Routing Rule

▼ Call Routing Rule

Routing Name:	<input type="text" value="skype->sip2"/>
Call Come From:	<input type="text" value="6001"/>
Dialing Mode:	<input type="text" value="Secondary Dial Mode"/>
Send Call Through:	<input type="text" value="group2"/>

Step Six: Certify

You have two ways for choosing.

1) The first way: If you have many licenses, please upload licenses in form of files.

▼ Authorization Code List

NO.	Authorization Code	Status	Start	End	Actions
<div style="margin-bottom: 5px;"> <input type="button" value="Add New License"/> </div> <div style="margin-bottom: 5px;"> Auth Codes <input style="width: 150px;" type="text" value="D:\5 licenses.TXT"/> <input type="button" value="浏览..."/> <input type="button" value="Upload"/> </div>					

2) The second way: If you have very few licenses such as one or two, you can add licenses manually .

Create a license

▼ Authorization Code

Authorization Code:	<input type="text" value="zK40cB7vYcbTB8kQg3m1yoQ/86gNhmVSBY+k4mx6uWg/j4brJyzyGZ2CQHrHK05CqFX9AgREdqlb9ylIyx7zoVsy:"/>
----------------------------	--

Display the results after save.

Authorization Code List

NO.	Authorization Code	Status	Start	End	Actions
1	pONvSLKpEjejqcJ20DEI8aXkfYY+lfqMfDdz4iuXqcJ2YOh1Dyb2RNagJUeSk9zTZCd+ol4LwS/EBY1xhqwog78NA0C50xxNKiilnPvj8g99vFep5jyJEKbVKEWxGmRz/HTFI6dp0MOvlpQ/nuVulxip2PepLL9jSlkrqdV9S4	active	Indefinite Duration	Indefinite Duration	
2	VfCzfnLvfbSgpMLo+kFpUKr/ok++Y3kOdgzPvUzGPXeF4NUBBUZb+SZLz+lePEctyjAiF61p5B3LwED+X2gPq7pi6+e8jbTUFwUJZ+odQEI4CVhyUcEx/swyF7IS6mKbmNS0icidFaOkKZ7QPtytQQUEU03JrVEjWqFYDhkSsSo	active	Indefinite Duration	Indefinite Duration	
3	kfdcmh7AYBL3xUUWs37wY287lucxQtIqaPLptuER2xVhRgJxL2ZB+FY7yR9ELAFxqCnq7130ix9Qoi+/iMTMzw2yzqQvxc1bdbCUmkVzIoX83a6Abz2bb8uU6/OgKNZui+bd7hOLTI12vSC6E3y8V/DgsDibDuaZzqWLRP2ro	active	Indefinite Duration	Indefinite Duration	
4	zK40cB7vYcbTB8kQg3mlyoQ/86gNhmVSBY+k4mx6uWg/j4brJzyGZ2CQHrHK05CqFX9AgREdqlb9yIlyx7zoVsyij011SF2YdUJAcYrkMK0VUZ+Soid7QAyv+ORsjlFTspunH5mkK9Vbruf4uyHbS0X0XT5j9/001pwfyc	active	Indefinite Duration	Indefinite Duration	
5	ISO4WQNqHm9picFpMT705VX5qWuVt8R7XM9fmtDjKNmTbjQ1fC8COOXVLEhHnjzgt4DmJVN8arINj1z7Rrc6EBAD9KXKtsNkUYeaN3Mh6ztTZI7pRCXSV7XC6Jnpr/QYbh+xDYUJOv6P7n1X0BvK5rqDB7BN6tU7i+yW9IUwQ	active	Indefinite Duration	Indefinite Duration	

When you finish all the installation, you can check your main page state

Skype Status

Skype Status	Skype Account	Balance point	CallOutTime
online	openvox_dev2	258	0
online	openvox_dev3	309	0
online	openvox_test1	0	0

SIP Information

User Extension	Display Name	Authorization Name	Status	Credentials
152	152	152	unregistered	152@172.16.99.152
6001	6001	6001	registered	6001@172.16.99.152

Channels Status

Channel ID	Direction	Status	From	To	Cross
1	-	IDLE	-	-	-
2	-	IDLE	-	-	-
3	-	IDLE	-	-	-
4	-	IDLE	-	-	-
5	-	IDLE	-	-	-

Backup Configuration

Users can choose to backup configuration or not for your convenient. If you choose not to backup your configuration, When you unload your Sky2sip, your previous configuration will not be remained, and you must reinstall. Otherwise if you have backup your configuration, you don't need to set again.



The screenshot shows the OpenVox Sky2SIP web interface. The top navigation bar includes 'SKY2SIP', 'SYSTEM', 'SIP', 'SKYPE', 'ROUTING', 'CERTIFY', 'LOGS', and a language dropdown set to 'CHINESE'. Below this is a secondary navigation bar with 'Status', 'Login Settings', 'Tools', and 'Information'. The 'Tools' menu is highlighted. The main content area features a 'SYSTEM DETAILS' section with a gear icon and a 'Backup Configuration' button. Below this is a file upload section with a text input field containing 'D:\config.tar.gz', a '浏览...' (Browse) button, and a 'File Upload' button. At the bottom of this section, there is a 'Backup current configuration' link with a 'Click To Download' button.

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