Zoiper For Linux

Zoiper is available for Linux Desktops. I am using a Ubuntu derivative distribution called Mint.

There is a free community version. It's been pre-compiled for both 32-bit and 64-bit and when the Linux version is selected a gzip'ed-tar file will be downloaded.

Go to the following website to download the gzip'ed-tar file.

http://www.zoiper.com/en/voip-softphone/download/zoiper3#linux

Copy this file to a working directory /tmp:

cp Zoiper_3.3_Linux_Free_32Bit_64Bit.tar.gz /tmp/.

Uncompress and untar the files:

tar zxf Zoiper_3.3_Linux_Free_32Bit_64Bit.tar.gz

You will have the following files:

- Zoiper_3.3_Linux_Free_64Bit.run
- Zoiper_3.3_Linux_Free_32Bit.run

One of these files will be executed once the iax is configured on your Allstar node. The next step is to setup your Allstar node to setup IAX and accept IAX registration.

Setting Up IAX on Allstar Node.

Doug, WA3DSP, has created an "How To" to setup iax_rpt on a BeagleBone Black.

http://www.crompton.com/hamradio/BeagleBoneBlackAllstar/iaxrpt-config.pdf

Please review this document and setup the */etc/asterisk/iax.conf* and */etc/asterisk/extensions.conf* per this document. Note, if you are using the BeagleBone Black or Rpi2 release and using the "node-config.sh" script, you should edit the template files found in */usr/local/etc/asterisk_tpl* directory. Once edited, then execute the *node-config.sh* script. Also, you will need to reset your asterisk node by either using the *astres.sh* script or reloading the iax2 module (*asterisk-rx "iax2 reload"*).

Below are examples that I use for my iax Zoiper node connection.

/etc/asterisk/extenstions.conf file:

root@al	lstar-61:/etc/asterisk	- + ×
<pre>[radio-secure-proxy] exten => 29061,1,rpt,29061 X exten => _0X.,1,Goto(allstar-sys \${</pre>	EXTEN:1} 1)	- 6 - 1
[radio-iaxrpt] exten=29061,1,Rpt,29061 X exten=1999,1,Rpt,1999 X		
; Droid phone example [myphone] exten=29061,1,rpt(29061 P) ;exten=1999,1,rpt(1999 P)		
<pre>[pstn-out] exten=_NXXNXXXXX,1,playback(ss-nose exten=_NXXNXXXXX,2,Congestion</pre>	ervice)	SIP LAX XMRP
[invalidnum] exten=s,1,Wait,3 exten=s,n,Playback,ss-noservice exten=s,n,Wait,1 exten=s,n,Hangup		e NEXT (44)
etat.		

/etc/asterisk/iax.conf file:

root@allstar-61:/etc/asterisk		-	+	×
transfer=no	(clear)	1445		
; Droid IAX connection via zoiper [mydroid] username=mydroid type=friend context=myphone host=dynamic auth=md5 ; add a passsword of your selection for secret				
disallow=all				
allow=g726aal2 allow=gsm codecpriority=host				
transfer=no ; add your call <mark>o</mark> or your selection for callerid callerid=W0ANM				
; example connection to another asterisk PBX				
5.24L Development Development				

Installing Zoiper

Once you have configured iax on your node, you can execute of of the files for your system architecture either 32-bit or 64-bit. You will need to have root permissions when installing (sudo is the preferred method). For example, a 32-bit Linux server:

sudo ./Zoiper_3.3_Linux_Free_32Bit.run

You will then see a graphical window welcoming you to the Zoiper Setup Wizard as shown:

Zoiper Setup (on otter)		- ×
Setup - Zoiper		
Welcome to the Zoiper Setup Wizard.		
Back	Forward	Cancel

Click Forward and answer the License Agreement Questions and then click the *Forward* button.

	Zoiper Setup (on otter)		– ×
License Agreement		.	ZoiPer
Please read the following License Ag before continuing with the installation	reement. You must accept th on.	e terms of this ag	greement
END USER LICENSE AGREEMENT (EULA) ZolPer Soft Phone of Securax License Agree	ment		<u>^</u>
IMPORTANT- PLEASE READ CAREFULLY:			
This EULA is a legal agreement between You and use Software owned by Securax and/or o either accept or reject the terms of this EUL ACCEPT" button you agree that: 1. You have read carefully the terms and cor	(as an individual) and Securax, gra lownloaded from the Securax/Zoipe A before installing and using the So ditions of this EULA	anting you certain rig er website. You must r ftware. By clicking th	hts to access review and re "I
Do you accept this license?	ept the agreement		
O I do	not accept the agreement		
BitRock Installer			
	Back	Forward	Cancel

Select Components to be installed (default is ok), then click *Forward* Button:

Zoiper Set	up (on	otter)		- ×
Select Components			<u>.</u>	ZoiPer
Select the components you want to install; clea Click Next when you are ready to continue.	ar the c	omponents y	ou do not want	t to install.
 ✓ Zoiper ✓ Add Desktop Shortcut 	Click (descr	on a compone ption	ent to get a det	ailed
BitRock Installer				
		Back	Forward	Cancel

Choose the default installation directory, */usr/share/Zoiper*, and then click *Forward* Button:

Zoiper Setup (o	n otter)		- ×
Choose Installation Directory		Q	ZoiPer
Choose the destination directory for the installation. Please specify the directory where Zoiper will be inst Installation Directory //usr/share/Zoiper	alled.		
BitRock Installer	Back	Forward	Cancel

This will then display that the software is ready to install, click the *Forward* Button:

Zoiper Setup (on otter)	- ×
Ready to Install	🤣 ZoiPer
Setup is now ready to begin installing Zoiper on your computer.	
BitBock Installer	
Back	Forward Cancel

Zoiper Setup (on otter)	- ×
Installing	
100 %	
BITROCK INStaller Back Fo	orward Cancel

Software Setup Wizard is not complete, click the *Finish* Button:



You will see a window pop up to startup when you login to your system. Select your desired response:



You will then get the main Zoiper Window Displayed:



Setting Up Zoiper for IAX Connection to the BBB

You will need to create a new account by using the Settings pull down menu and selecting "Create a new account".



The account wizard will then ask for the type of account, choose "IAX" and then click "Next" button.

Account wizard	٢
Account type	
SIP	
O IAX	
С ХМРР	
🗙 Close NEXT 🔿	

You will then add the IAX credentials to register your Zoiper application. Enter the user name used in the */etc/asterisk/iax.conf* file followed by the internal network IP address or your public IP address depending upon your network configuration and if you want to use Zoiper internally to your network or if you want to connect from the Internet. If your use the public IP address, you should setup a firewall.

Also, if you are using a different port other than 4569, you will need to add this to the IP address.

For example:

Account wizard	8
Credentials	
user / user@host mydroid/192.168.xxx.xxx:4568	
Domain / Outbound proxy	
🖛 BACK NEXT 🌩	

I use an *Openvpn* connection to my network this allows me the best of both worlds, security from both internal and external networks.

Press the "Next" button when completed.

Account wizard	8
Credentials	
user / user@host mydroid@192.168.xxx.xxx	
Password	
Domain / Outbound proxy	0
🖛 BACK NEXT 🌩	

Now enter the account name. I choose "AllstarNode 29061" for my account name then click on the "Next" button.

Account wizard	Ø
Account name	
Account name AllstarNode 29061	
Skip auto-detection	
EACK NEXT -	



If you entered something incorrect, the account name or password, you can either go back and fix that, or you can edit the settings later. This will allow you to verify the *iax.conf* and *extensions.conf* file.

Press the "Close" button to exit from the Account wizard.



Running Zoiper on your Linux Desktop

This is not a users manual for Zoiper, however, I have included a few screen shots and information to get you started.

When you first startup Zoiper, you will get a pop-up display similar to the one shown.



You should verify your audio configuration to make sure that you have the proper devices selected. I mostly listen/monitor, so I use the default audio device. If I want to talk via Zoiper, I just my USB headset.

General Device	
Audio devices optio	ns
Input device :	Microphone (Plantronics C620 Analog Mono)
Output device :	Speakers (Plantronics C620 Analog Stereo)
Input speaker device :	Microphone (Plantronics C620 Analog Mono)
Output speaker device :	Speakers (Plantronics C620 Analog Stereo)
Ringing device :	Autoselect
	Automatic microphone selection
	Use external handsets(Yealink) *
	🗹 Use generic handsets (HID, Jabra)

Here is the configuration using the USB headset (Under Preferences \rightarrow Audio \rightarrow Device):







This will bring up the node. You should hear your node if you have activity.

To transmit, you will need to select the "Dialpad" tab. Transmitting is controlled by the following dtmf sequence:

- *99 Transmit Mode
- # End Transmit Mode



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