Install Elastix_1.6.0_OpenVox_A400p

1 Log into Elastix webpage

Please open your browser and enter the PBX IP address, then input Username: admin; Password: palosanto, then click on Submit button in the following screen.

Welcome to Elasti	ix
Please enter your	r username and password
Username: admi Password: ••••	in •••••• Submit
Copyright @ 200)6 by <u>PaloSanto Solutions</u>
Copyright @ 200	o by <u>PaloSanco Solutions</u>

2 Hardware Detection

1) Click on Hardware Detection button in the following illustration.



2) Click on "Replace file chan_dahdi.conf" textbox, then click on Detect New Hardware button in the following illustration.

📴 Hardware	Detection			
Replace file cl Detect Sango Detect ISDN			Detect New Hardware	
	M/4 "Wildcard TDI	M400P REV E/F B	ard 5" (MASTER)	
1 FXS In Use	2 FXS In Use	3 FXO In Use	4 FXO In Use	

3) Please use the following commands:

[root@elastix ~]# dahdi_cfg -vv	

4) Reboot System.

3 Create Extensions

Add two extensions, then you can plug two phones to FXS, after that the two phones can call each other.

1) Click PBX button in the following illustration:

6 elasti	ix							
	Syst	em PBX	Fax	Email	IM	Reports	Extras	Agenda
PBX Configuration Flas	h Operator Pan	el Voice	mails	Monitoring	End	point Config	uration	Conference

2) Click on Extensions bar in the following illustration:

Option Unembedded freePBX	Add an Extension
Basic	Please select your Device below then click Submit
Extensions	Device
Feature Codes	
General Settings	Device Generic SIP Device
Outbound Routes	Submit
Trunks	Subme

3) From the drop down selection box, select Generic Zap Device since we are going to create zap extension, then click on submit button. Please refer to the following illustration:

Option Unembedded freePBX	Add an Extension
Basic	Please select your Device below then click Submit
Extensions	Device
Feature Codes	
General Settings	
Outbound Routes	Submit Generic SIP Device
Trunks	Generic ZAP Device
Inbound Call Control	Other (Custom) Device

4) Set up User Extension: 111 (that's the extension number I gave for reception); Display Name: 111 in the following illustration:

Add ZAP Exten	sion
Add Extension	
User Extension	111
Display Name	111
CID Num Alias	
SIP Alias	
Extension Options	

5) Input a channel number for your extension, please refer to the following illustration.

This device uses zap technology	/. (Via DAHDI compatibility mode
channel	1
Dictation Services	

6) Then click on submit button.

Press 0:	Go To Operator
Press 1:	
Press 2:	
Submit	

7) Click the "Apply Configuration Changes Here" bar in the top of the screen.

Apply Configuration Changes Here

8) Please add another extension. From the drop down selection box, select Generic Zap Device since we are going to create zap extension, then click on submit button. Please refer to the following illustration:

Add ar	n Extension
Please sel Device	ect your Device below then click Submit
Device	Generic SIP Device 💙
Submit	Generic SIP Device Generic IAX2 Device Generic ZAP Device
	Other (Custom) Device

9) set up User Extension: 222; Display Name: 222 in the following illustration:

Add Extension		
User Extension	222	
Display Name	222	
CID Num Alias		
SIP Alias		
Extension Options		

10) Input a channel number for your extension, please refer to the following illustration:

Device Options		
This device uses zap technology	-	tibility mode)
channel	2	
Dictation Services		

11) Then click on submit button.

_	
Press 0:	Go To Operator
Press 1:	
Press 2:	
Submit	

12) Click the "Apply Configuration Changes Here" bar in the top of the screen.

Apply Configuration Changes Here	

After these, we can dial each other between 111 and 222.

4 Add incoming route

Add an incoming route, it will help you get incoming calls.

1) Click on "Inbound Routes" bar.

Inbound Call Control
Inbound Routes
Announcements
Follow Me
IVR
Misc Destinations
Queues
Ring Groups
Time Conditions

2) Input incoming1 in the textbox of Description as the following screen:

Add Incoming Route		
Add Incoming Route		
Description:	incoming1	
DID Number: Caller ID Number:		
CID Priority Route: Options		

3) Click the Extensions textbox, choose an extension number from the drop down selection box. Then click submit. Please refer to the following illustration:

Set	t Desti	nation	
C	Phor	ebook	Directory: Phonebook Directory 💙
	(all: Hangup
	(<111> 111 🗸
O	IVR:	Unname	<111>111 <222> 222
S	ubmit		Clear Destination & Submit

4) Click the "Apply Configuration Changes Here" bar in the top of the screen.

Apply Configuration Changes Here

5 Create trunk

To dial out, you have to create trunk.

1) Click on Trunks bar as the following illustration:

Option	Add a Trunk
Unembedded freePBX	
Basic	Add Zap Trunk (DAHDI compatibility mode)
Extensions	Add IAX2 Trunk
Feature Codes	
General Settings	Add SIP Trunk
Outbound Routes	Add ENUM Trunk
Trunks	

2) Click on Trunk ZAP/g0 button on the up right corner of the page, please refer to the following illustration:



3) Input trunk1 in the textbox of Outbound Caller ID, please refer to the following illustration:

General Settings	
Outbound Caller ID: Never Override CallerID: Maximum Channels: Disable Trunk: Monitor Trunk Failures:	trunk1

4) Click on Submit Changes button in the following screen:



6 set up outbound routes

Through outbound routes, you can dial out.

1) Please click on the Outbound Routes as the following illustration:

Option	Add Route
Unembedded freePBX	
Basic	Route Name:
Extensions	Route Password:
Feature Codes	PIN Set: None 💌
General Settings	Emergency Dialing:
Outbound Routes	Intra Company Route: 🗖

2) Please click "09_outside button", keep the default parameters in the following screen. Please refer to the following illustration:

Edit Route		Add Route
ᅌ Delete Route 9_ou	tside	0 9_outside
Route Name: Route Password: PIN Set: Emergency Dialing: Intra Company Route Music On Hold? Dial Patterns	9_outside Rename	
	9 .	
Dial patterns wizards	(jick one)	
Trunk Sequence	0	
0 Submit Changes	ZAP/g0 V	

Here we use the default Dial Pattern 9|., so we have to add prefix 9, when we dial out.

3) Click the "Apply Configuration Changes Here" bar in the top of the screen.

Apply Configuration Changes Here

- 7 Test Environment:
 - 1) Elastix 1.6.0
 - 2) OpenVox A400p + 2FXS+2FXO
- 8 References
 - 1) http://www.elastixconnection.com/downloads/elastix_without_tea
 rs.pdf
 - 2) <u>http://www.voiceip.com.ua/lit/easyAsterisk-manual-eng-v22rc4.p</u> <u>df</u>