

How to connect Elastix to MyPBX via SIP Trunking

Version 1.0

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This application note shows how to connect Elastix to MyPBX using SIP Trunking. which will be working fine for:

1. Intercommunication between Elastix and MyPBX

2. Make calls using Elastix's extension through the GSM/PSTN/BRI trunks of MyPBX.

3. Receive calls from GSM/PSTN/BRI trunks of MyPBX at Elastix

Description:

IP address of MyPBX: 192.168.5.146

IP address of Elastix: 192.168.5.210



1. Intercommunication between Elastix and MyPBX

Description:

All the extensions under MyPBX are in the format 5XX All the extensions under Elastix are in the format 3XX

Note: For SIP Trunking mode connection, you don't need to setup inbound routes for any side.

1.1 MyPBX Configuration

Step1: Setup SIP Trunking in MyPBX, connect to Elastix. Basic \rightarrow Trunks \rightarrow Add Service Provider.

My PBX	Embedded Hybrid IP-PBX for Small Businesses									
Status Basitas	🕨 Trunks 🔅	Trunks 🕸								
Line Status	BRI Trunk	Add Service Provider	X							
Basic 🙁		Type: SIP 💌								
Extensions		Provider Name: Elastix								
Outbound Routes		Hostname/IP: 192.168.5.203 : 5060								
Phone Provisioning	Analog Trunk	Maximum Channels 0								
Inbound Call Control		Transport: UDP 💌								
Queues		Qualify: 🔽								
Custom Prompts Bing Groups	CST/IIITS Trunk	DTMF Mode: rfc2833 💌								
Inbound Routes		DOD Settings								
Blacklist		Global DOD:								
Internal Settings 🔕	VoIP Trunk									
Options Business Hours	+ Add VoIP Trunk									
Feature Codes										
IAX Settings										
Voicemail Settings SMS Settings										
DISA	Service Provider	DOD : Associated Extension : 510 V								
Conferences Paging Groups	- Aud Service frovider									
DNIS Settings	Prov	Save Cancel								
FIN User Settings		L								

Figure 1-1 Create a SIP Trunking in MyPBX

After creating SIP Trunking, we can check the status of this trunk, it should be OK(green).

Status Monitor \rightarrow Line Status \rightarrow Trunks.



Status Conitor	Line State	us ¢					
Line Status Basic		≫ _{Free}	ar Bus	у	Extensions	≫ _{Unavailable}	Ø _{Ringing}
Extensions							
Trunks Outbound Routes	a <u>50</u>	1 <u>0</u> (SIP))	<u> 504</u> (SIP)	<u> 510</u> (FXS)	3 511 (FXS)
Phone Provisioning					Trunks		
Inbound Call Control					11 ului b		
IVR	Status	Signal	Trunk Name	Type	User Name	Port/Hostname/II	? Reachability
Queues	OK (103 ms)		<u>3CX</u>	SP-SIP		192.168.5.243	OK (103 ms)
Custom Prompts	OK (2 ms)		<u>Elastix</u>	SP-SIP		192.168.5.203	OK (2 ms)
Ring Groups Inbound Routes	Idle		<u>pstn7</u>	FXO		Port 7	
Blacklist	Disconnected	1	<u>pstn8</u>	FXO		Port 8	
0	Idle	Tul	<u>GSM13</u>	GSM		Port 13	
Internal Settings 🖄	OK		BriTrunk9	BRI		Port 9	
Options Business Hours	ок		BriTrunk10	BRI		Port 10	

Figure 1-2 Trunks Status in MyPBX

Step2: Setup Outbound Route in MyPBX. Dial pattern:3XX, which means all calls start with 3 and 3digits will be sent to Elastix via this SIP Trunking. Basic \rightarrow Outbound Routes \rightarrow Add Outbound Route.





Status Monitor 🛞	Outbound Routes	Edit Outbound Route - To_Trixbox	Σ
Line Status	🕂 Add Outbound Route	Route Name : To_Trixbox	
Basic 🙁		Dial Pattern 1. 3XX	
Extensions	P :		
Trunks	7.2.1	Strip 0: 0 digits from front	
Outbound Routes	7.4.		
Phone Provisioning		Prepend these digits 🛈: before dialing	
	· ·		
Inbound Call Control		Fassword:	
IVR		T.38 Support 🛈: No 💌	
Queues Custos Proceto			
Ring Groups		Krmemory Hunt 💙 : 🗝 💌	
The and Reuter		Member Extensions	
Blacklist		Available Extensions Selected	
Internal Settings 🖄		100 (SIP) 500 (SIP)	~
Options		101 (SIP) 501 (SIP) 102 (SIP) 502 (SIP)	
Business Hours		103 (SIP) 503 (SIP)	
Feature Codes		104 (SIP) 105 (SIP)	
SIP Settings		106 (SIP)	~
IAX Settings			
Voicemail Settings			
SMB Bettings		Wambar Trunks	
Conferences			
Paging Groups		Available Trunks Selected	
DNIS Settings			
PIN User Settings		pstn7 (FXO) Trixbox (SPS)	<u>^</u>
Callback Settings		GSM13 (GSM) →	
Speed Dial Settings		BriTrunks (BRI)	
Music on Hold Prompts		Elastix (SPS)	
Hetwork Settings 🙁		80	~

Figure 1-3 Outbound route for SIP Trunking in MyPBX

1.2 Elastix Configuration

Step1: Setup SIP Trunking in Elastix, connect to MyPBX

1) PBX -> Trunks -> Add SIP Trunk

() elas	tiv						Version * About us * Help * Logout (admin)						
PREEDOM TO DO	MMUNICATE	Syster	m A	genda	Email	Fax	РВХ	ІМ	Reports	Extras	Addons		
PBX Configuration	Operator Panel	Vo	picemail	Monitoring	Endpoi Configu	int urator	Conf	ference	Batch of Extensions	Tools V	Flash Operato Panel		
Apply Configuration Changes Here													
Option		Add	d a Tr	unk									
Unembedded fre	embedded freePBX									Add Trunk			
Basic		🗿 Ad	d Zap Ti	runk (DAH	DI compa	tibility mo	ode)						
Extensions													
Feature Codes		Se Se	au SIP Tr	UNK									
General Settings	S	🗿 Ad	d IAX2	Trunk									
Outbound Route	es												
Trunks		🔍 Ad	d ENUM	Trunk									
Inbound Call Control		🖸 Ad	1d DUND	i Trunk									
Inbound Routes	\$												
Zap Channel DI	Ds	🖾 Ad	d Custo	m Trunk									



6						Version * About us * Help * Logout (admin)					
		System	Agenda	Email	Fax	РВХ	ІМ	Reports	Extras	Addons	
PBX Configuration	Operator Panel	Voicema	il Monitoring	Endpoi Config	int urator	Con	ference	Batch of Extensions	Tools v	Flash Operato Panel	
Apply Configuration Changes Here											
Option		Add a	Trunk								
Unembedded fre	eePBX								Add Trunk		
Basic		🝳 Add Zap Trunk (DAHDI compatibility mode)									
Extensions			Truck								
Feature Codes		■ Add SIP	Trunk								
General Setting	s	🗿 Add IAX	2 Trunk								
Outbound Rout	es										
Trunks		V Add ENU	IM Trunk								
Inbound Call Control		🗿 Add DUN	NDi Trunk								
Inbound Routes	5										
Zap Channel DI	Ds	Add Cus	tom Trunk								

Figure 1-4 Add SIP Trunking

2)Enter the info of trunk for PEER Details : host=192.168.4.146 type=peer qualify=yes disallow=all allow=ulaw,alaw,gsm



Add SIP Trunk

	General Settings		
	Trunk Description:	MyPBX	
	Outbound Caller ID:		
	CID Options:	Allow Any CID	
	Maximum Channels:		
	Disable Trunk:	Disable	
	Monitor Trunk Failures:	Enable	
	Outgoing Dial Rules		
	Dial Rules:	<u></u>	
		Clean & Remove duplicates	
	Dial Rules Wizards:	(pick one)	/
	Outbound Dial Prefix:		
	Outgoing Settings		
	Trunk Name:	MyPBX	
	PEER Details:		
Γ	host=192.168.4.146		
l	type=peer mualify=yes		
	disallow=all		
L	allow=ulaw,alaw,gsm		

Figure 1-5 Enter PEER Details

5)After creating SIP Trunking, we can check the status of this trunk, it should be OK.

 $PBX \rightarrow Option \rightarrow Unembedded freePBX$



Admin \rightarrow Tools \rightarrow Asterisk CLI \rightarrow Enter the command 'sip show peers' and click 'Execute'



FreePBX	Admin Reports Panel H	lelp				
FreePBX 2.7.0.3 on 192.168.5.221						
Setup Tools Admin	Asterisk CLI					
FreePBX System Status						
Module Admin	Command: sip show peers					
Support	Execute:					
Asterisk Logfiles						
Online Support						
FreePBX Support	Name/username	Host	Dyn Nat	ACL	Port	Status
System Administration	200	(Unspecified)	D	A	5060	OK (1 mg)
Asterisk IAX Settings	MVPBX	192.168.4.146	D	A	5060	OK (2 ms)
Asterisk SIP Settings	3 sip peers [Monitored:	2 online, 1 offlir	ne Unmoni	tore	d: 0 on	line, 0 offline]
Asterisk API						
Asterisk CLI						
Asterisk Info	Cree ODV [®] Let Freedo	om Ring [™]				
Asterisk Phonebook		istered trademark of Bandwidth.com				
Backup & Restore	11221 271 211 21	to an				

Figure 1-7 The status of SIP Trunking in Elastix

Step2: Setup outbound routes in Elastix. Dial pattern:3XX, which means all calls start with 5 and 3 digits will be sent to MyPBX via the SIP Trunking. PBX \rightarrow Admin -> Setup \rightarrow Outbound Routes.

6 elast	ix'							
PREEDEM TO GOMMI	UNIDATE	Syster	m A	genda	Email	Fax	РВХ	ІМ
PBX Configuration	Operator Panel	Voicemail	Monito	ring End	dpoint Config	urator	Conference	Batch o
Option	Ad	d Rout	е					
Unembedded free	PBX				_			
Basic	Rou	te Name:	[ТоМуРВХ				
Extensions	Rou	te CID:			1	Overrid	e Extension CI	С
Feature Codes	Rou	te Password	d:					
General Settings	PIN	Set:	[None 💙				
Outbound Routes	Eme	ergency Dial	ing:					
I runks	Intr	a Company	Route:					
Inbound Call Control	Mus	ic On Hold?	[default 💌]			
Zan Channel DID	Dial	Patterns						
Announcements	3			5XX		~		
Blacklist			-					
CallerID Lookup S	Sources					-		
Day/Night Contro	bl		Γ	Clear	n & Remove du	plicates		
Follow Me	Dial	patterns wi	izards: [(pick one)	v			
IVR	Tru	nk Sequenc	e _					
Queue Priorities		, , , , , , , , , , , , , , , , ,	[SIP/MyPBX	. 🕶			
Queues	5	Submit Chang	ges					

Figure 1-8 Outbound route for SIP Trunking in Elastix

Click 'Submit Changes' and 'Apply Configuration Changes Here'



1.3 Test call

Register an IP phone to MyPBX with extension 500.

Register an IP phone to Elastix with extension 300.

Use 500 to dial 300. You can see 300 is ringing and you can answer the calls Use 300 to dial 500. You can see 500 is ringing and you can answer the calls



2. Make calls using Elastix's extension via SIP Trunking

The SIP Trunking connection is finished in the last step, so we can start to configure rule to make calls via PSTN/GSM/BRI trunks of MyPBX using Elastix's extension.

Description:

PSTN trunk of MyPBX: 5503301 GSM trunk of MyPBX: 15060748304 BRI trunk of MyPBX: 5503300

2.1 MyPBX Configuration

Step1: Check the status of GSM/PSTN/BRI trunk. Status Monitor \rightarrow Line Status \rightarrow Trunks

Idle		<u>pstn7</u>	FXO	Port 7	
Disconnected		<u>pstn8</u>	FXO	Port 8	
Idle	Yal	<u>GSM13</u>	GSM	Port 13	
OK		BriTrunk9	BRI	Port 9	
OK		BriTrunk10	BRI	Port 10	

Figure 2-1 Trunks Status

Step2: Setup Outbound Route for GSM/PSTN/BRI trunk to make calls in MyPBX. Basic \rightarrow Outbound Routes \rightarrow Add Outbound Route.

1)Create a outbound route for GSM/PSTN/BRI trunk. In this example, all calls start with 9 will be sent out via the GSM/PSTN/BRI trunk of MyPBX.



Status Bonitor 🔕	• Outbound Routes	dd Outbound Route	x
Line Status	+ Add Outbound Route	Route Name	GSM_PSTN_BRI
Basic 📚		Dial Pattern ⁽¹⁾ :	9.
Extensions	P :		
Trunks	· & •	Strip 🙂 :	1 digits from front
Phone Provisioning	不 :	Prepend these digits 🛈 :	before dialing
Inbound Call Control		Password:	
IVR			
Queues		T.38 Support♥:	No
Custom Prompts		Rrmemory Hunt 🛈 :	No 💌
Ring Groups		- Member Extensions	
Inbound Routes			
Blacklist		Available Extensions	Selected
Internal Settings 🍣		108 (STP)	>>> 500 (STP)
Options		109 (SIP)	501 (SIP)
Business Hours		110 (SIP) 119 (SIP)	→ 502 (SIP) 503 (SIP)
Feature Codes		601 (FXS) 602 (FXS)	504 (SIP)
SIP Settings			
IAX Settings			88
Voicemail Settings			
SMS Settings		- Kanhan Tumha	
DISK			
Paging Groups		Available Trunks	Selected
DNIS Settings			»» (cells 2 (cell)
PIN User Settings		BriTrunk10 (BRI)	pstn7 (FX0)
Callback Settings		Elastix (SPS) Trivbox (SPS)	→ BriTrunk9(BRI)
Speed Dial Settings		111000 (010)	

Figure 2-2 Outbound route for SIP Trunking in MyPBX

Step2: Setup Inbound Route for SIP Trunking in MyPBX, and choose the outbound route we created in the last step as destination, so that the calls via this SIP Trunking will be sent out through GSM/PSTN trunk.

Note: We must configure DID number of this inbound route to match the dial pattern of outbound routes which are used to make call to GSM/PSTN trunk of MyPBX in Elastix, however, this dial pattern must match the dial pattern of the outbound route for GSM/PSTN trunk in MyPBX. So, we should configure DID number is `9.'.

Please place this route to the top.



Status Bonitor 🔕	Inbound Routes Edit Inbound Route: Elastix_GSM_PSIN	
Line Status	General	
Line Detetas	And Incode	
Basic 🙁	Route Name 🔍 : Elasti	x_GSM_PSTN
Extensions	Ela DID Number 🛈 : 9.	
Trunks Outhourd Routes	Extension 🛈 :	
Phase Provide and a		
Thone Frovisioning	Caller ID Number 🔍 :	
Inbound Call Control	Distinctive Ringtone 🛈 :	
IVR	Enable Callback : No 🗸	Callback Settings
Queues		
Custom Prompts		
Ring Groups	Member Trunks	
Inbound Routes	Available Trunks	Selected
Blacklist		
Internal Settings Options Business Hours Feature Codes	pstn7 (FX0) >>>>>>>>>>>>>>>>>>>>>>>>>>>>	Elastix (SPS)
SIP Settings		×
IAX Settings		
Voicemail Settings		
SMS Settings	- Business Days	
DISA	Office Hours : default 🗸	
Conferences	Office House	
Paging Groups	Destinction of Outbound Routes	Route Name GSM_PSTN 🛛 🗸
DNIS Settings	Destination :	
PIN User Settings	Non-office Hours	Route Neme GSM PSTN
Callback Settings	Destination :	Houte Hame Obm_151H
Sneed Dial Settings		

Figure 2-3 Setup Inbound Route for the SIP Trunking

2.2 Elastix Configuration

Step1: Setup outbound routes in Elastix.

 $\mathsf{PBX} \rightarrow \mathsf{Outbound} \ \mathsf{Routes} \rightarrow \mathsf{Add} \ \mathsf{Route}.$

Note: This dial pattern must match the dial pattern of the outbound route for GSM/PSTN trunk in MyPBX.



		Syste	m	Agen	da Em	ail Fax	PBX	ТМ
PBX Configuration Operat	or Panel	Voicemail	Monit	oring	Endpoint Co	onfigurator	Conference	Bat
Option Unembedded freePBX	Ad	d Rout	е					
Basic Extensions Feature Codes	Rout Rout Rout	te Name: te CID: te Passwor	d:	ToGSI	MPSTNofmypl	Overric	le Extension C	ID
Outbound Routes Trunks Inbound Call Control	PIN S Eme Intra Musi	Set: rgency Dial a Company c On Hold?	et: gency Dialing: Company Route: On Hold?		V III			
Inbound Routes Zap Channel DIDs Announcements Blacklist	Dial	Patterns		9.		~		
CallerID Lookup Sources Day/Night Control Follow Me	Dial	natterns w	izards:	(pick)	Clean & Remo	ve duplicates		
IVR Queue Priorities Queues	Trun	ik Sequenc	e ges	SIP/M	IVPBX V			

Figure 2-4 Outbound route for SIP Trunking in Elastix

2.3 Test Call

Use Elastix's extension to dial 91380000000, then mobile phone 13800000000 will ringing and you can answer the calls.



3. Receive calls from GSM/PSTN/BRI trunks of MyPBX at

Elastix

The SIP Trunking connection is finished in the previous step, so we can start to configure a rule to route the incoming calls to Elastix side.

3.1 MyPBX Configuration

Step1: Setup an outbound route for this SIP Trunking to Elastix. **Note:** In this example, we setup the dial pattern is "X.". We can dial any number via this SIP Trunking. And place this route to the end.

Status Monitor 🛞	Outbound Routes	Add Outbound Route	X
Line Status	+ Add Outbound Route	Route Name 🛈 : I	Fo_Elastix1
Basic 🌲		Dial Pattern 🛈 : 🗴	Κ.
Extensions	⊅ 5		
Trunks	T 2 T	Strip 🛈: O) digits from front
Dutbound Routes	T 2 -		
Phone Provisioning		Prepend these digits 🙂 :	before dialing
T		Beggwards	
Inbound Call Control		rassword:	
IVK		T.38 Support 🛈 : 🕅	To 💌
Queues			T I I I I I I I I I I I I I I I I I I I
Custom Frompts		Krmemory Hunt 🔍 : 🖪	10
King Groups		🖵 Member Extensions🛈 —————	
Indound Aoutes		Available Extensions	Selected
DIACKIISt			bubbubu
Internal Settings 🖄		119 (SIP)	>>>> 500 (SIP)
Options		601 (FXS)	501 (SIP)
Business Hours		002 (783)	503 (SIP)
Feature Codes			504 (SIP)
SIP Settings			303(311)
IAX Settings			88
Voicemail Settings			
SMS Settings			
DISA		Member Trunks🔍	
Conferences		Available Trunks	Selected
Paging Groups			
DNIS Settings		pstn7 (FXO)	>>>> Elastix (SPS)
PIN User Settings		pstn8 (FXO)	
Callback Settings		GSM13 (GSM)	\rightarrow

Figure 3-1 outbound route for SIP Trunking in MyPBX

The order of outbound routes: (Basic \rightarrow Outbound routes)

				Route Name	Dial Pattern	
	⇒	*		GSM_PSTN_BRI	9.	🔊 Edit 🔀 🗶 Delete
Ŧ	٦	∿	¥	To_Elastix	ЗХХ	🔊 Edit 🛛 🗶 Delete
	Ŧ	٦		To_Elastix1	Х.	🔊 Edit 🔀 🗶 Delete

Figure 3-2 Order

Step2: Create an inbound route for GSM/PSTN/BRI trunk, and choose the outbound route we created in previous step as destination, so that the incoming calls from GSM/PSTN/BRI trunk will be sent to Elastix via the SIP Trunking.



Note: Since GSM/PSTN trunks have no DID number, we need to setup a DID number for them.

1) Create an inbound route for GSM trunk. DID number: 15060748304

Status Sonitor	Inbound Routes Edit Inbound Route: GSI	X
Line Status	+ Add Inbound Route	_
Extensions Trunks Outbound Routes Phone Provisioning	Impound Rotte Route Name : GSM Impound Rotte DID Number : 15060748304 Impound Rotte Extension : Impound Rotte Caller ID Number : Impound Rotte Distinctive Ringtone :	
IVR	Ŧ 🇈 🤹 🔹 Enable Callback : 🗷 Callback Settings	
queues Custom Prompts Ring Groups	Total Total Member Trunks	
Inbound Routes Blacklist	Available Trunks Selected	
Internal Settings (*) Options Business Hours Feature Codes SIP Settings IAX Settings Voicemail Settings	pstn7 (FXO) pstn8 (FXO) BriTrunk8 (BRI) BriTrunk10 (BRI) pfingo (SIP) SCX (SFS) Elastix (SPS)	
SMS Settings DISA	Business Days Office Hours : default	
Paging Groups DNIS Settings	Office Hours Destination : Outbound Routes V Non-office Hours	
rim User Settings Callback Settings Speed Dial Settings	Destination : Outbound Routes V Route Name To_Elastix1 V	

Figure 3-3 Inbound route for GSM trunk

2) Create an inbound route for PSTN trunk. DID number: 5503301



Inbound Routes Edit Inhound Route: PSTM	
Status Jonitor 8	
Line Status General General	
Route Name ¹ : PSTN	
Basic Contraction Contraction	
Extensions DID Number 🔮 : 5503301	
Trunks F 2 3 1 Extension 9 :	
Outbound Routes 7 3 3	
Phone Frovisioning Caller ID Number 🔍 :	
Inbound Call Control 7 2 3 Distinctive Ringtone 0:	
IVR Enable Callback : No 🔽 Callback Settings	
Queues F 2 3 4	
Custom Prompts	
Ring Groups memoer Irunks	
Inbound Routes Available Irunks Selected	
Blacklist	
Internal Settings (S)	
Options BriTrunk0(BRI) →	
Business Hours pfingo (SIP)	
Feature Codes SIX (SFS)	
SIP Settings	~
IAX Settings	
Voicemail Settings	
SMS Settings Business Days	
DISA Office Hours : default	
Conferences Office Hours	
Paging Groups Detstination : Outbound Routes 🗸 Route Name To_Elastic	x1 💌
DNIS Settings	
PIN User Settings Doubloand Routes V Route Name To_Elestin	x1 💌
Collhock Sattings	

Figure 3-4 Inbound route for PSTN trunk

3) Create an inbound route for BRI trunk.

Status Monitor &	Inbound Routes Ed	it Inbound Route: BRI	2
Line Status	- Add Inbound Route	General	
		Route Name 🛈 : BRI	
Basic			
Extensions	7 ±	DID Number 🙂 :	
Trunks	₹ \$ ₹ 4	Extension 🔍 :	
Phone Provisioning	· · · · · · · · · · · · · · · · · · ·		
Thone Trovisioning	Ŧ \$ \$ \$	Caller 1D Number 🔍 :	
Inbound Call Control	¥ \$ \$ \$	Distinctive Ringtone 🛈 :	
IVR	7 2 3 4	Enable Callback : No 💌	Callback Settings
Queues	A A A		
Custom Prompts		.	
Ring Groups	* 3	Member Irunks	
Inbound Routes		Available frunks	Selected
Blacklist			During to (DDT)
Internal Settings 📚		pstn (FXO)	briffuks (bkl)
Options		GSM13 (GSM) BriTrunk10 (BRI) →	
Business Hours		pfingo(SIP)	
Feature Codes		Elastix (SPS)	
SIP Settings			
IAX Settings			
Voicemail Settings		- Business Davis	
SMS Settings		business bays	
DISA		Office Hours : default	
Paging Groups		Office Hours Outbound Routes	Route Name To Elastix1 💌
DNIS Settings		Destination :	
PIN User Settings		Non-office Hours	Route Name To Elastix1
Callback Settings		Destination :	
Speed Dial Settings		- During Holidays	

Figure 3-5 Inbound route for BRI trunk



3.2 Elastix Configuration

In Elastix side, we need create inbound route for the SIP Trunking so that we can dial in, in this example, we choose IVR as the destination (generally). PBX \rightarrow Admin \rightarrow Setup \rightarrow Inbound Routes

1) Create an inbound route for GSM trunk of MyPBX. Then DID Number must match that of MyPBX, so we configure DID Number of this route is 15060748304



6 elastix					-
S	System	Agenda	Email	Fax	PB)
PBX Configuration Operator	Panel Voicemail Moni	toring Endpo	int Configura	ator C	onfere
Option Unembedded freePBX	Add Incoming	g Route			
Banic	Add Incoming Route				
Extensions					
Feature Codes	-		-		
General Settings	Description	FromGSMotMy	PBX		
Outbound Routes	DID Number.	15060748304	·		
Trunks	Caller ID Number:	-			
nbound Call Control	CID Priority Route				
Inbound Routes	Options				
Zap Channel DIDs					
Announcements	Alert Info				
Blacklist	CID name prefix				
CallerID Lookup Sources	Music On Hold:	Default 💌			
Day/Night Control	Signal RINGING	Г			
Follow Me	Pause Before Answer				
IVR	Privacy				
Queue Priorities					
Queues	Privacy Managar	10.0			
Ring Groups	Fax Detect	NO			
Time Conditions	rux oelect				
Time Groups					
nternal Options & Configuration	Detect Faxes				
Conferences	CID Lookup Source				
Languages					
Misc Applications	Privacy Manager:	No 💙			
Misc Destinations	Fax Detect				
Music on Hold					
PIN Sets		100100			
Paging and Intercom	Detect Faxes	(No CY	es		
Parking Lot	CID Lookup Source				
System Recordings					
VoiceMail Blasting	Source	None V			
Remote Access	Language				
Callback					
DISA					
	Language				
	Set Destination				
	6 ND IN 19	1			
	C Terminate Call	in nour			
	C Extensions (2000	> 200			
	C Phonebook Direc	tory. Phoneboo	k Directory		
	Submit Cle	ar Destination	& Submit		

Figure 3-6 Inbound route for GSM in Elastix



2) Create an inbound route for PSTN trunk of MyPBX. Then DID Number must match that of MyPBX, so we configure DID Number of this route is 5503301

		System	Ag	enda	Email	Fax	PBX
BX Configuration Operator	Panel	Voicemail M	lonitorii	ng End	dpoint Config	urator	Conference
ption	Ad	d Incomi	ng F	Route	P		
Unembedded freePBX	/10	a moonin		10.010			
asic	Add	Incoming Route	E				
Extensions							
Feature Codes	-		1200	-	04 PPV		
General Settings	Des	cription:	Fro	ompsing	отмурвх		
Outbound Routes	DID	Number:	55	03301			
Trunks	Call	er ID Number	-				
bound Call Control	CID	Priority Route	¢.				
Inbound Routes	Opti	0П5					
Zap Channel DIDs							
Announcements	Aler	t Info:					
Blacklist	CID	name prefix:					
CallerID Lookup Sources	Mus	ic On Hold:	De	efault 💌			
Day/Night Control	Sign	nal RINGING:					
Follow Me	Pau	se Before Ans	wer:				
IVR	Priv	acy					
Queue Priorities	-						
Queues	Driv	acy Manager	No	~			
Ring Groups	Fax	Detect	110	1.58			
Time Conditions							
Time Groups			1727				
ternal Options & Configuration	Det	ect Faxes	•	NOCY	es		
Conferences	CID	Lookup Source				-	
Languages							
Misc Applications	Pr	ivacy Manager		No 💙			
Misc Destinations	Fa	x Detect					
Music on Hold	-						
PIN Sets	D	toct Envoor	ñ	G No C	* Mag		
Paging and Intercom	De	Direct Faxes.	0	** NO (res		
Parking Lot	CI	D LOOKUP Sourc	;e				
System Recordings							
VoiceMail Blasting	Sc	ource:	Non	ie 💙			
emote Access	La	nguage					
Callback							
DISA	1 -	Daubac.					
	Ld	nguage.					
	56	t Destination					
	C	IVR: Unnamed	~				
	C	Terminate Ca	I: Hang	up			*
	C	Extensions:	200> 20	0 💙			
	3	Phonebook D	rectory	Phone	book Directory	~	

Figure 3-7 Inbound route for PSTN in Elastix



3) Create an inbound route for BRI trunk of MyPBX. Then DID Number must match that of MyPBX, so we configure DID Number of this route is 5503300.

		System	Agen	ida Emai	l Fax	РВЭ
BX Configuration Open	rator Panel	Voicemail Mo	onitoring	Endpoint Cor	figurator	Conferen
ption	Ad	d Incomi	ng Ro	ute		
Unembedded freePBX						
asic	Add	Incoming Route				
Extensions						
Feature Codes	Date	cription	Eren	PlofMuppy		
General Settings	Des	Number:	FromE	200		
Outbound Routes	DID	ar ID Number	5503	500	-	
Trunks	Call	Priority David				
bound Call Control	CID	monty Route	1			
Inbound Routes	Opti	UIIS			_	
Zap Channel DIDs						
Announcements	Aler	t Info:				
Blacklist	CID	name prefix:				
CallerID Lookup Sourc	es Mus	ic On Hold:	Defau	ilt 💌		
Day/Night Control	Sig	al RINGING	Г			
Follow Me	Pau	se Before Answ	er:			
IVR	Priv	асу				
Queue Priorities					-	
Queues	Det	Day Managar				
Ring Groups	Fill	Detect	No			
Time Conditions	FdX	Detect			_	
Time Groups						
ternal Options & Configuratio	n Det	ect Faxes:	No	C Yes		
Conferences	CID	Lookup Source				
Languages						
Misc Applications	Pr	vacy Manager:	No	*		
Misc Destinations	Fa	x Detect				
Music on Hold	-					
PIN Sets				1		
Paging and Intercom	De	etect Faxes:	e	No C Yes		
Parking Lot	CI	D Lookup Source	3			
System Recordinas						
VoiceMail Blasting	C/	urce.	Nese	v		
emote Access	SU La	nguage	none			
Callback		nyuaye				
DISA						
	La	nguage:				
	Se	t Destination				
						2
			-			
	L.	IVR: Unnamed	~			
	C	Extensional	Hangup			*
	0	Phonobook Dia	ectop:	Monaharah Di	ton: N	
	-		ectory. P	inchebook Direc	cory 💌	

Figure 3-8 Inbound route for BRI in Elastix



3.3 Test call

Use mobile phone dial the GSM trunk's number 15060748304 / the PSTN trunk's number 5503301/ the BRI trunk's number 5503300, then it will reach the IVR of Elastix.

<END>

