

CONFIGURAÇÃO GRANDSTREAM GXW 4104 + ELASTIX

A Grandstream Networks Inc é reconhecidamente mundialmente como, uma empresa inovadora e tem um dos melhores custo benefício do setor de telefonia IP, sendo que seus produtos proporcionam um excelente som, qualidade de imagem, ampla interoperabilidade com a maioria dos equipamentos baseado em VOIP (voz sobre Protocolo de Internet) e plena conformidade com os padrões da indústria.

Entre os diversos produtos da Grandstream, escolhemos para apresentar neste tutorial os equipamentos da série **GXW 410x**, gateways FXO de 4 ou 8 portas respectivamente. Uma das funcionalidades oferecidas por este produto é a possibilidade de registrá-lo a um servidor de telefonia, neste caso aplicaremos as configurações ao Elastix.

Muito bem,

Vamos iniciar nossas configurações criando, no servidor Elastix, a conta SIP que iremos registrar o GXW 410x. Neste exemplo utilizaremos uma conta 1000.

>PBX>Extensions

Clique em Submit para configurar a conta;

	voicemail Monicoring	Endpoint Confere Configurator	nce Batch of Extensions	Tools Flash Operato Panel	or VoIP Provider	
X Configuration					?	
xtensions	Add an Extension				Add Extension	
eature Codes						
eneral Settings	Please select your Device below then o	lick Submit				
utbound Routes						
runks	Device					and the second se
ound Call Control						
nbound Routes	Device Generic SIP Device •					
ap Channel DIDs						
nnouncements	Submit					
lacklist						
allerID Lookup Sources						
ay/Night Control						
pllow Me						- A .
VR						
ueue Priorities						
Jueues						
ting Groups						
ime Conditions						
ime Groups						
ernal Options & Configuration						
Conferences						
anguages						
lisc Applications						
lisc Destinations						
lusic on Hold						100
IN Sets						1.
aging and Intercom						S
arking Lot						
vstem Recordings						
oiceMail Blasting						
mote Access						



Em **Display Name** preencha com o nome que será atribuído a esta conta, neste exemplo também será 1000;

Secret: admin123 – senha para registrar-se à conta;

	Sistema Agenda	Email	Fax	РВХ	IM	Reports		6191
BX Configuration Operator Pane	el Voicemail	Monitoring	Endpoint Configurator	Conterence	Batch of Extensi	ons Tools	Flash Operator Panel	VoIP Provider
PBX Configuration								?
Basic Extensions Feature Codes General Settings Outbound Routes	Add SIP Exter	•						Add Extensio
Trunks Inbound Call Control		1000						
Inbound Routes	Display Name	1000						
Appouncements	CID Num Alias	2000						
Rischlict	CID Nulli Allas							
CallerID Lookup Sources	SIP Alias							
Day/Night Control	Extension Options							
Follow Me								
IVR	Outbound CID							
Queue Priorities	Ring Time	Default T						
Queues	Cell Welther							
Ring Groups	Call Waiting	Disable •						
Time Conditions	Call Screening	Disable	•					
Time Groups	Pinless Dialing	Disable 🔻						
Internal Options & Configuration Conferences	Emergency CID							
Languages Misc Applications	Assigned DID/CID							
Misc Destinations								
Music on Hold	DID Description							
PIN Sets	Add Inbound DID							
Paging and Intercom	Add Inbound CID							
System Recordings	Device Ontions							
VoiceMail Blasting								
Remote Access	This device uses sip t	echnology.						
Callback	secret	admin123						

Clique em **Submit** e logo em seguida em **Apply Configuration Changes Here**, para que as configurações tenham efeito. Sempre alterar uma configuraçõe será preciso fazer este processo.

elastix								69
	Sistema Agen	da Email	Fax	РВХ	IM Repor	is 🗸		
Configuration Operator Pane	l Voicemail	Monitoring	Endpoint	Conference	Batch of Extensions	Tools	Flash Operator	VoIP Provider
PBX Configuration				_				?
		0	Apply Configura	ation Changes H	Here			
Basic								
Extensions	Add an Exter	nsion						Add Extension
Feature Codes								1000 <1000
General Settings	Please select your [Device below then cl	ick Submit					
Outbound Routes	Denine							
Trunks	Device							

Devemos editar a conta que acabamos de criar e adicionar o contexto **from-trunk.** Clique na conta conforme a imagem a baixo:



(a) elastix [®]	State State	6 Q 12 1						
	Sistema A	genda Email	Fax	PBX	IM Report	s 🗸		
PBX Configuration Operator Pane	el Voicemail	Monitoring	Endpoint Configurator	Conference	Batch of Extensions	Tools	Flash Operator Panel	VoIP Provider
PBX Configuration								?
Basic								
Extensions	Add an Ex	tension						Add Extension
Feature Codes								1000 <1000>
General Settings	Please select yo	our Device below then cli	ck Submit					
Outbound Routes	Device							
Trunks	Device							
Inbound Call Control								
Inbound Routes	Device Gene	eric SIP Device						

Agora vamos em context e substituir o parâmetro from-internal por from-trunk;

VoiceMail Blasting	Dealer Orthogo		
Collback	Device Options		
DISA	This device uses sip technology.		
Option	secret	admin123	
опетреодео пеерых	dtmfmode	rfc2833	
	canreinvite	no	
	context	from-trunk	
	host	dynamic	
	type	friend	
	nat	yes	
	port	5060	
	qualify	yes	
	callgroup		
	pickupgroup		
	disallow		
	allow		
	dial	SIP/1000	
	accountcode		
	mailbox	1000@device	
	vmexten		
	deny	0.0.0/0.0.0.0	
	permit	0.0.0/0.0.0.0	

Precisamos configurar um tronco e associá-lo à conta 1000, então acesse:



>PBX>Trunks>Add Custom Trunk

(a)elastix					-					6912
PREEDEM TO COMUNICATE	Sistema	Agenda	Email	Fax	РВХ	IM	Reports	\sim		
PBX Configuration Operator Pane	Voice	mail	Monitoring	Endpoint Configurator	Conference	Batch of Ext	tensions 7	Tools	Flash Operator Panel	VoIP Provider
PBX Configuration										?
Basic										
Extensions	Add a	Trunk								Add Trunk
Feature Codes	A									
General Settings	⊌ Add S	IP Trunk								
Outbound Routes	O Add D	AHDI Trunk								
Trunks	🗿 Add Z	ap Trunk (DA	HDI compatib	ility mode)						
Inbound Routes		W2 Truel								
Zap Channel DIDs	Add IA	AX2 Trunk								
Announcements	O Add E	NUM Trunk								
Blacklist		UNDi Trunk								
CallerID Lookup Sources	- Add D	ondr Hunk	-							
Day/Night Control	🛛 Add C	ustom Trunk								

Trunk Name: escolha o nome do tronco. Neste tutorial chamaremos de FXO;

Custom Dial String: digite o parâmetro SIP/1000/\$OUTNUM\$ para indicar a conta 1000;

🗢 elastix"									
	Sistema Agenda	Email	Fax	РВХ	IM Rep	iorts 🗸			
PBX Configuration Operator Panel	Voicemail	Monitoring	Endpoint	Conference	Batch of Extensions	Tools	Flash Operator	VoIP Provider	
PBX Configuration			Contentator				Contract Contract	?	
Basic Extensions Feature Codes General Settings Outbound Routes Trunks Inbound Call Control Inbound Routes	Add CUSTOM General Settings Trunk Name: Outbound Caller ID:	FXO						Add Trunk	
Zap Channel DIDs Announcements Blacklist CallerID Lookup Sources Day/Night Control Follow Me	CID Options: Maximum Channels: Disable Trunk: Monitor Trunk Failur Dialed Number Ma	Allow Any CI Disable	es	Enable					
Queue Priorities Queues	(prepend) + p	refix match	pattern	8					
Ring Groups Time Conditions Time Groups Internal Options & Configuration Conferences	+ Add More Dial Pa Dial Rules Wizards: Outbound Dial Prefix	ttern Fields) Cle (pick one) x.	ear all Fields		¥				
Languages Misc Applications Misc Destinations Music on Hold	Custom Dial String:	SIP/1000/\$0	UTNUM\$						
PIN Sets	Submit Changes								

Antes de criar as rotas de entrada e saída, devemos registrar o gateway GXW 4104 ao Elastix e aplicar as configurações necessárias.

Conecte o gateway **GXW 4104** à rede pela porta LAN. O Grandstream GXW 4104 obtém IP DHCP, ou seja, recebe um endereço distribuído por um servidor da própria rede. Uma maneira bastante fácil de descobrir qual IP foi atribuído ao equipamento, é utilizar um programa que lista todos os IP's da rede, por exemplo: *Advanced IP Scanner* e verificar através do endereço **MAC** do dispositivo.



	S/N 21AWKDBC9042B53A MAC 000B8242B53A P/N 966-00003-21A001
	Model: GXW4104 Input: +12V == 1A This device complies with part 15 of the FCC rules,
1 - / ·	(1) this device may not cause harmful interference, and (2) this device must accept any interference received, Including interference that may cause undesired operation.
	FCC ID:YZZGXW410X Made in China

Arquivo	o Uperações Configurações Exibição Ajuda		
	Verificar 🚺 🔳 🖳 💁 💿 💿 🍥 🏥 🗮		Like us (Faceboo
11.11.1	1.1 - 11.11.11.254, 172.16.0.1 - 172.16.255.254, 192.168.0.1 - 192.168.0.254, 192.168.2.1 - 192.168.2	.254, 192.168.26.1 - 192.168.26.254, 192.168.56.1 - 192.168.56.254, 20.0.0.1	20.255.255.254
Resulta	idos Favoritos		
atus	Nome	IP Fabricante	Endereço MAC
**	11.11.11.101	11.11.11.101 Samsung E	ectro mechanics 96:0C:62:0C:42:21
*	VENUS	11.11.11.2 Routerboar	1.com 00:0C:42:1A:47:1F
1	Iso-PC	11.11.11.41 REALTEK SE	MICONDUCTO 00:E0:4C:3F:46:EF
1	inovitec	11.11.11.192 REALTEK SE	MICONDUCTO 00:E0:4C:D1:66:73
2	ClaroTV10-PC	11.11.11.215 Quanta Con	nputer Inc. E8:9A:8F:D6:9D:D5
2	11.11.11.73	11.11.11.73 Murata Ma	ufacturing Co 44:A7:CF:C3:91:3C
	11.11.11.158	11.11.11.158 Motorola N	obility, LLC. 80:96:B1:6F:F2:4B
-	11.11.11.144	11.11.11.144 Motorola M	obility LLC B0:79:94:2D:F4:D1
	11.11.11.66	11.11.11.66 Liteon Tech	nology Corpora 2C:D0:5A:D6:C1:
	janivaldo-PC	11.11.11.136 Liteon Tech	nology Corpora 2C:D0:5A:D2:E8:50
	Oxmundi	11.11.11.142 Liteon Tech	nology Corpora 2C:D0:5A:D2:CC
	janivaldo-PC	11.11.11.181 Liteon Tech	nology Corpora 1C:65:9D:27:FD:85
2	11.11.11.150	11.11.11.150 Liteon Tech	nology Corpora 2C:D0:5A:D0:70:2B
	11.11.11.114	11.11.11.114 LG Electron	cs C4:43:8F:60:0E:48
	11.11.11.184	11.11.11.184 LG Electron	cs 40:B0:FA:9F:D5:EB
2	oxmundi-613	11.11.11.92 ITAUTEC P	ILCO S.A. 00:40:A7:25:81:4B
	HD-ISRAEL	11.11.11.250 Iomega Co	poration 00:D0:B8:19:66:A9
	11.11.11.218	11.11.11.218 Intel Corpo	ate 00:1C:C0:F3:89:4D
	11.11.11.133	11.11.11.133 INGENICO	54:7F:54:41:11:F4
	Evandro	11 11 11 78 Hop Hai Pr	cision Ind. Co. B8:76:3E:8C:EE:AB
2	DIC02-PC	11.11.11.199 Hon Hai Pr	cision Ind. Co. C0:18:85:E6:BD:9E
	11 11 174	11 11 11 74 Hewlett-Da	kard Company E4:CE:46:27:1D:7C
	11 11 11 17	11 11 11 17 Grandstraa	Networks Inc. 00:08:92:48:27:88
-	11 11 11 59	11.11.11.17 Grandstream	n Networks, Inc. 00:08:82:50:62:91
	ALEY DC	11.11.11.05 Grandstream	Networks, Inc. 00:08:82:54:02:91
-	ALEATTC 11 11 107	11.11.11.12.5 Grandsteen	Networks, Inc. 00:08:82:50:50:15
	11.11.11.10/	11.11.11.107 Grandstream	Niteworks, Inc. 00:08:82:40:0C:5E
1	11.11.11.195	11.11.11.195 Grandstrea	A Networks, Inc. 00:08:82:55:08:23
1	11.11.196	11.11.11.196 Grandstrea	A Networks, Inc. 00:08:82:5F:97:23
1	11.11.11.166	11.11.11.166 Grandstream	n Networks, Inc. 00:08:82:57:5E:C1
1	11.11.11.17	11.11.11.1/1 Grandstrea	n Networks, Inc. 00:08:82:63:9A:E9
1	11.11.11.216	11.11.11.216 Grandstrea	n Networks, Inc. 00:0B:82:45:14:1D
-	janivaldo-PC	11.11.11.86 Dell Inc	B8:AC:6F:E7:5E:38
-	janivaldo	11.11.11.52 Dell Inc	78:2B:CB:EC:DB:
2	Sandra-PC	11.11.11.55 Dell Inc	78:2B:CB:BE:B1:1F
	janivaldo	11.11.11.168 Dell Inc	78:2B:CB:EC:DB:
2	jakeline	11.11.11.197 Dell Inc	24:B6:FD:24:B5:BA
2	11.11.11.123	11.11.11.123 COMPAL IN	FORMATION (00:23:5A:76:9C:8E

Agora que sabemos qual o IP que nosso gateway recebeu, vamos acessá-lo através do navegador web de sua preferência. Ao digitar o endereço no navegador aparecerá a tela de login. A senha padrão é **admin**



Grandstream				PSTN (_{GXW410X} Gateway
	Password			Login	
	All Rights Reserv	ed Grandstream I	Networks, Inc. 200	04-2012	

Conectado a interface do GXW4104 o primeiro passo é fixar um IP dentro do seu range.

410X PSTN Gateway									
Zándstream	<u>Status Accounts Settings</u>	Networks	Maintena	nce <u>FXO Lines</u>	<u>Line Analysis</u> Version: 1.4.1.5				
works	Basic Settings								
asic Settings Ivanced Settings	IP Address: O dynamically assigned via DH0	CP or PPPoE if co	nfigured						
ate & Time	DHCP hostname (Option 12):								
	DHCP domain (Option 15):								
	DHCP vendor class ID (Option 60):	Grandstream GX	W4104						
	PPPoE account ID:								
	PPPoE account password:								
	PPPOE service name (option).	0	0	0	0	- 4			
	Pretened DNS server.	•			0				
	 statically configured (default) 	40	40	40					
	IP Address:				157				
	Subnet Mask:			1255	0				
	Default Router:	0	0	0	0				
	DNS Server 1:	0	0	0	0				
	DNS Server 2	0	0	0	0				
	DNS Query Rate: 0	(in minute	es. default 0 1	neans no refreshen	nent, max 45 days)	11			
	Save	ancel							
			All Rights Re	eserved Grandstream	Networks, Inc. 2004-2012				

Após fixarmos o IP do gateway, devemos conectar o equipamento através da porta WAN e acessá-lo novamente colocando o novo endereço no navegador web.

Acesse a FXO Lines

>Networks>Basic Settings



>FXO Lines>Settings

Acrescente os tons nacionais de sinalização

Dial Tone - ch1-4:f1=425@-10,f2=0@-10,c=0/0;

Ringback Tone - ch1-4:f1=425@-10,f2=0@-10,c=100/400;

Busy Tone - ch1-4:f1=425@-10,f2=0@-10,c=25/25;

Reorder Tone - ch1-4:f1=425@-10,f2=0@-10,c=25/25;

Tx to PSTN Audio Gain (dB): Troque 1 por 4 - Esta configuração oferece ganho ao canal, aumentando intensidade do áudio do equipamento para linha

Enable Tone Disconnect: Troque **N** por **Y** – permite o tom de desconexão, que informa que a ligação foi encerrada.

indstream	Status	Accounts Setting	g <u>s Networks</u>	Maintenance	FX0 Lines	Line Analysis			
					~	Version: 1.4.1.4			
ines	FXO Set	tings							
tings			Call Progres	s Tones					
īđ		[Syntax: ch x-y: f1=val@vol	l,f2=val@vol,c=on1/	off1-on2/off2-on3/o	ff3;]				
		Note: f1,f2-frequency(Hz); v	vol-volume(dB); c-ca	dence(10ms, 0-cont	inuous)				
		Dial Tone: ch1-4:f1=425@-10,f2=0@-10,c=0/0;							
		Ringback	Tone: ch1-4:f1=425@		0/400;				
		Busy	Tone: ch1-4 f1=4250	h1-4-f1=425@-10_f2=0@-10_c=25/25;					
		Reorder	Tone: ch1-4.f1=4256	a_10_f2=0@_10_c=25/	25:				
		Reorder	Port Voice	9 10,12 009 10,0 20,	20,				
		Te to BSTN Andle Colo	(ID) and did	Setting		(12.12.defendt 1)			
		Ix to PSIN Audio Gain	(dB): cn1-4:4;		14	(-12-12, default 1)			
		Rx from PSTN Audio Gain	(dB): ch1-4:0;			·12-12, default 0)			
		Silence Suppression(Y/N): ch1-4:Y;			lefault Yes)			
		Echo Cancellation(Y/N): ch1-4:Y;		(default Yes)			
			FXO Termi	ination					
	E	nable Current Disconnect(Y/N): ch1-4:Y;		(default Y-yes)			
			use ch1-4:100	D;	if	yes (5 ~ 65530, default			
			100ms)			1 C 1 NT 37 1			
		Enable Tone Discon	inect: cn1-4:Y		(default No; Yes - busy			
			ch1-4·N		(default No: Consult			
		Enable Polarity Rev	ersal: carrier)						
		Enable Call Suman	ch1-4:N;		(default No; Consult			
		Enable Can Super Vision. carrier)							
		Silence Timeout((X1s): ch1-4:60;		((default 60s)			

AC Termination Impedance: Troque 0 por 1 - corresponde a 900 Ohm (utilizado no Brasil)

Number of Rings Before Pickup: Troque 4 por 1 – corresponde ao número rings no gateway antes de passar a chamada



Caller ID Scheme: Devemos colocar o valor de acordo com a sinalização da nossa linha para receber o caller id (detectar qual número de telefone ligou para nossa linha)

AC Termination Impedance: ch1-4:1; (0-15, default 0) AC Termination Impedance Values (0-15, default 0) 0 - 600 Ohm (North American) 1 - 900 Ohm 2 - 270 Ohm + (750 Ohm || 150nF) and 275 Ohm + (780 Ohm || 150nF) 3 - 220 Ohm + (820 Ohm || 120nF) and 220 Ohm + (820 Ohm || 115nF) 4 - 370 Ohm + (620 Ohm || 310nF) 5 - 320 Ohm + (1050 Ohm || 230nF) 6 - 370 Ohm + (820 Ohm || 110nF) 7 - 275 Ohm + (78 Ohm || 150 nF) 8 - 120 Ohm + (820 Ohm || 110 nF) 9 - 350 Ohm + (1000 Ohm || 210nF) 10 - 0 Ohm + (900 Ohm || 30nF) 11 - 600 Ohm + 2.16 uF 12 - 900 Ohm + 1 uF 13 - 900 Ohm + 2.16 uF 14 - 600 Ohm + 1 uF 15 - Global complex impedance Port Caller ID Setting Number of Rings Before Pickup: ch1-4:1; (1-50, default 4) (1-11, default 1) Caller ID Scheme: ch1-4:6; 1 - Bellcore/Telcordia 2 - ETSI-FSK during ringing 3 - ETSI-FSK prior to ringing with DTAS 4 - ETSI-FSK prior to ringing with LR 5 - ETSI-FSK prior to ringing with RP 6. - ETSI-DTMF during ringing 7 - ETSI-DTMF prior to ringing with DTAS 8 - ETSI-DTMF prior to ringing with LR 9 - ETSI-DTMF prior to ringing with RP 10 - SIN 227 - BT 11 - NTT - Japan Caller ID Transport Type: ch1-4:1; (1-4, default 1) 1 - Relay via SIP From 2 - Disabled 3 - Send Anonymous 4 - Relay via SIP P-Asserted-Identity Save Cancel All Rights Reserved Grandstream Networks, Inc. 2004-2012 Ainda em FXO Lines acesse Dialing FXO Lines>Dialing > Stage Method: Troque 2 por 1 e Salve



GXW410X PSTN Gateway						Logout	Reboot
Grändstream	Status	Accounts	<u>Settings</u>	Networks	Maintenance	FXO Lines	Line Analysis Version: 1.4.1.4
FXO Lines	Dialing						
<u>Settings</u>							
Dialing				Dialing to PS	TN		
		Wait for Dia	l-Tone(Y/N):	ch1- <mark>4:N;</mark>			(default No)
		Stage	Method(1/2):	ch1-4:1; dialing)			(default 2 stage
		Min Delay Before	Dialing Out:	ch1-4:500; 65000ms)			(default 500ms, 50 ~

Agora Acesse a aba Settings.

>Settings>Channels Settings

DTMF Methods (1-7): Devemos selecionar o padrão que melhor atenda nossa estrutura e repeti-lo no GXW 4004

User ID: Indique o canal que receberá as ligações "entrantes" - ch1-4:400;

Neste tutorial estamos indicando o ramal 400 para receber as ligações. Não é preciso alterar mais nenhuma configuração.





GXW410X PSTN Gateway			Logou	t Reboot
Grändstream	<u>Status Accounts</u>	Settings Networ	rks <u>Maintenance FXO Lines</u>	Line Analysis Version: 1.4.1
Settings	Channels Settings			
General Settings				
Call Settings		SIP Chann	iel Setting	
Channels Setting	IS			
	DTMF Methods(1-7):	ch1-4:2;	(default 1)	
		(1:in-audio, 2:RFC2833, 3:1-	+2, 4:SIP Info, 5:1+4, 6:2+4, 7:1+2+4	.)
	No Key Entry Timeout(X1s):	<u>ch1</u> -4:4;	(1-9, default	4)
	Local SIP Listen Port:	ch1-4:5060++;	(default ch1-	8:5060++;)
	SRTP Mode(1-3):	ch1-4:1;	(default 1)	
		(1:disabled, 2:enabled but no	ot forced, 3:enabled and forced)	
		Calling	to VoIP	
	Unconditional Call Forwar	rd to Following:		
	User ID:	ch1-4:400;	(i.e ci	h1-2:223;ch3:224)
	SIP Server:	ch1-4:p1;	(chl-	2:p1;ch3:p2)
	SIP Destination Port:	ch1-4:5060;	(chl-	2:5060;ch2:7080)

Em **Accounts** vamos direcionar o gateway para o IP do Servidor Elastix e registrá-lo à conta que criamos.

>Accounts>Account1>General Settings

Account Name: escolha um nome

SIP Server: digite	o endereço do	Servidor Elastix
--------------------	---------------	------------------

GXW410X PSTN Gateway			Logout	Reboot
Grandstream	Status Accounts	Settings Networks	Maintenance FXO Lines	Line Analysis
Accounts	General Settings			Version, 1.7.1.3
Account 1				
General Settings	Account Active:	• Yes ONo		
Networks Settings	Account Name:	GXW-FXO	(Optional, name of you	u profile)
SIP Settings	SIP Server:	40.40.40.218	(Server domain name o	or IP address)
Audio Settings	Outbound Proxy:		(Domain name or IP ac	ldress if in use)
Call Settings				
Account 2				
Account 3				
User Account				
	[Save Cancel		
			All Rights Reserved Grandstream I	Networks, Inc. 2004- <u>2012</u>



>Accounts>User Account

Nesta parte registraremos a conta SIP que criamos no servidor e indicaremos o canal que receberá a linha analógica. O **GXW 4104** pode receber mais três linhas, sem que seja preciso criar outra conta SIP. As ligações sairão pelo tronco FXO que está associado ao ramal **1000** e serão recebidas pelo ramal **400** conforme definimos anteriormente.

GXW410X PSTN Ga	ateway				Logout	Reboot
Gändstream	Stat	as Accounts	<u>Settings Networks</u>	Maintenance	<u>FXO Lines</u>	Line Analysis Version: 1.4.1.5
Accounts	SIP User Acco	ounts				
Account 2			SIP UserID Setting			
Account 3	Channel(s)	SIP User ID	Authenticate ID	Authen Pa	ssword	SIP Account
User Account	1	1000	1000	••••••		Account 1 🔻
						Account 1 🔻
						Account 1 🔻
						Account 1 🔻
			Save Cancel			

Verifique o Status para confirmar que o gateway se registrou ao servidor.

<i>Ar</i> andstream	Status	Accounts <u>Settings</u>	<u>Networks Maintenance</u>	FXO Lines Line Analysis Version: 1.4.1.5
atus	Account S	tatus		
Account Status				
Networks Status	User Accounts	SIP User ID	SIP Account ID	SIP Registration
<u>System Info</u>	Account 1	"1000"	"0"	"Yes"
	Account 2		"0"	"No"
	Account 3		"0"	"No"
			"0"	"NT-"

As configurações no Grandstream GXW 4104 estão prontas. Vamos voltar ao Elastix e criar as rotas de entrada e saída.

Para criar a rota de saída, acesse:

>PBX>Outbound Routes



Escolha o nome da saída e selecione o tronco;

Dial Patterns that will use this Route

Em match pattern digite o parâmetro **X.** – esta configuração permite a saída de qualquer valor.



Para criar a rota de entrada, acesse:



>PBX>Inbound Routes

Description: escolha o nome da rota de entrada

Set Destination: selecione o ramal que receberá as ligações

Inbound Call Control	Description:	entrada
Inbound Routes	DID Number:	
Zap Channel DIDs	Caller ID Number:	
Announcements	CID Priority Route	
Blacklist	oub money nource.	
CallerID Lookup Sources	Options	
Day/Night Control		
Follow Me	Alert Info:	
IVR	CID name prefix	
Queue Priorities	Music On Hold:	Defeute a
Queues	Music Off Hold.	Derault •
Ring Groups	Signal RINGING:	
Time Conditions	Pause Before Answer:	
Time Groups	Driveey	
Internal Options & Configuration	PTIVACY	
Conferences		(m)
Languages	Privacy Manager	No Y
Misc Applications	CID Lookun Source	
Misc Destinations	Cib Lookup Source	
Music on Hold		
PIN Sets	Source:	None •
Paging and Intercom	Eav Dotoct	
Parking Lot	I UN DELECT	
System Recordings		
VoiceMail Blasting	Detect Faxes:	No Ves
Remote Access		
Callback	Language	
DISA		
Uption Uption	Language:	
Unembedded meerbx		
	Set Destination	
1		
	Extensions	▼ <400> 400 ▼
	Submit Clear Des	tination & Submit

Pronto! O GXW 4104 está configurado no Elastix.

É possível definir no servidor diversas maneiras de receber as ligações, criar filas e regras de atendimento. Mas isto é assunto para um outro tutorial.