

# Configurando Synway SMG 1000 com Elastix

Olá pessoal! Neste tutorial vamos apresentar e configura, mais uma novidade que a Lojamundi trouxe para o Brasil, os gateways de telefonia FXO Synway.

Esse equipamento permitem uma migração gradual e com maior planejamento da telefonia convencional analógica para redes IP ganhando em fatores como gerenciabilidade, flexibilidade e redução de custos.

Para configurar esse equipamento, siga os seguintes passos:

1) Conecte o Gateway Synway SMG 1000 à rede de computadores, através da porta ETH1 do equipamento;

2) O endereço de acesso via url é 192.168.1.101. Para acessá-lo é necessário que a placa de rede de seu computador esteja nesta mesma faixa de IP;

3) Adicione um "apelido" à placa de rede

Após colocar seu computador na rede 192.168.1.X, abra o navegador web de sua preferência e digite o endereço do gateway e a seguinte janela será mostrada:

e ⇒ C	192.168.1.101				黄	≣
		Autenticação obrig O servidor http://192.10 nome de usuário e sent Nome de usuário: Senha:	atória 58.1.101:80 requer um 1a. O servidor diz: GateWay.	×	\$	
			Cancelar Fazer login	1		

# Acesso padrão de fábrica

Nome de usuário: admin

Senha: admin

Você pode alterar o endereço de rede do gateway acessando o menu Network;



			the first second	
Fri May 06 2016 15:47:11 GMT-0300 (Hora oficial do Brasil)				Current User:admin Logout 😃
Operation Info 🛛 😂 📩				
•••• Quick Config 🛛 👻		Net	work Settings	
	LAN 1			
VolP C	LAINT	Network Type:	Static	
{O} Advanced				
🕧 Port 🛛 😸		IP Address (I):	192.168.1.101	
Route >		Subnet Mask (LI):	255 255 255 0	
		oublict musit (o).	200.200.200.0	
		Default Gateway (D):	192.168.1.1	
System Tools		DNC Server (D):	0000	
Management		Diva Server (F).	0.0.0	
Network		Speed and Duplex Mode:	Automatic Detection	
Upgrade				
Signaling Capture	LAN 2		Enable	
Call Log				
Operation Log				
Backup & Upload				
Factory Reset				
System Monitor				
SNMP Config		Save	Reset	
PING Test				
TRACERT Test	Note: T	he service will be restarted automatically a	ifter saving the current setting. Please log in again using your	
Change Password		new IP address if the	e IP address has been modified!	
Restart				

Pode-se registar o gateway ao servidor de várias maneiras – configuração por:

<u>Gateway</u> – todas as portas são gerenciadas apenas por uma conta SIP; <u>Porta FXO</u> - cada porta recebe uma conta SIP para registro no servidor; <u>Grupo</u> <u>FXO</u> - é possível criar grupos e selecionar as portas associadas a conta SIP escolhida;

Para registrar o equipamento por gateway - acesse o menu VoIP → SIP: Register Status – Unregistered Register Gateway – selecione No Em SIP Account – coloque a conta criada no Elastix Password – senha da conta Registrar IP Address – coloque o endereço IP do Servidor de Telefonia Registrar Port – coloque a porta de resgistro 5060

		Bailin, İm., a. a	h.nhiite.
Fri May 06 2016 15:57:02 GMT-0300 (Hora oficial do Brasil)			Current User.admin Logout
Operation Info 🛛 🗧			
Quick Config 🗧 🗧	SIP Settings		
VolP 😤	SIP Address SIP Port	LAN 1: 20.20.20.146 V	
SIP	on ron		
Sip Compatibility	Register Status	Unregistered	
NAT Setting	Register Gateway	No T	
Media	Registrar IP Address		
(⊙) Advanced	Registrar Port		
() Port 👻	Spare Registrar Server	Enable	
Route ×	Registry Validity Period (s)	600	
System Tools >	Multi-Registrar Server Mode	Enable	
	SIP Transport Protocol	UDP	
	IMS Network	Enable	
	Save	Reset	

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Agora vamos realizar as configurações das portas FXO

# Acesse Port → FXO

Para cada porta FXO uma conta SIP é criada por padrão.

							ine aufe	la Nikani	ntiite.				
Tue Jun 09 2015 11:3	9:22 GM	(T-0300 (	BRT)				Language En	glish • Current User	admin Logou				
Operation Info	×							20					
Quick Config	8	FXO Settings											
VolP	8	Port	Туре	SIP Account	Authentication Username	Connection Method	Bound Number	Forbid Outgoing Call	Caller ID Det				
Advanced		-1	FXO	8001	242	Two Stage Dialing Mode	3926	Disable	Disable				
D Port		2	FXO	8002	Sint	Two Stage Dialing Mode	-	Disable	Disable				
0.141	_	3	FXO	8003	100 M	Two Stage Dialing Mode		Disable	Disable				
CYC.		4	FXO	8004	-	Two Stage Dialing Mode	-	Disable	Disable				
Port Group	_	5	FXO	8005	07	Two Stage Dialing Mode	5773	Disable	Disable				
		6	FXO	8006	100	Two Stage Dialing Mode	1.000	Disable	Disable				
Route	*	7	FXO	8007		Two Stage Dialing Mode		Disable	Disable				
Num Manipulate	*	8	FXO	8008		Two Stage Dialing Mode	144	Disable	Disable				
System Tools	8	9	FXO	8009		Two Stage Dialing Mode	-	Disable	Disable				
		10	FXO	8010		Two Stage Dialing Mode	-	Disable	Disable				
		11	FXO	8011	124	Two Stage Dialing Mode	144	Disable	Disable				
		12	FXO	8012	-	Two Stage Dialing Mode		Disable	Disable				
		13	FXO	8013		Two Stage Dialing Mode	144	Disable	Disable				
		14	FXO	8014		Two Stage Dialing Mode	-	Disable	Disable				
		15	FX0	8015		Two Stage Dialing Mode	1.00	Disable	Disable				

# Edite as configurações FXO na coluna Modify

Operation Info	*									
uick Config	*				FXO Setting:	5				
oIP	*	Authentication Username	Connection Method	Bound Number	Forbid Outgoing Call	Caller ID Detection	Reg Status	Echo Canceller	Polarity Reversal Detection	Modify
ivanced	*		Two Stages Dialing for Incoming Call		Disable	Disable	Unregistered	Enable	Disable	>0
rt	*	~	Two Stages Dialing for Incoming Call		Disable	Disable	Unregistered	Enable	Disable	
			Two Stages Dialing for Incoming Call		Disable	Disable	Unregistered	Enable	Disable	
	_	~	Two Stages Dialing for Incoming Call		Disable	Disable	Unregistered	Enable	Disable	1
aroup	_		Two Stages Dialing for Incoming Call		Disable	Disable	Unregistered	Enable	Disable	2
			Two Stages Dialing for Incoming Call		Disable	Disable	Unregistered	Enable	Disable	
1	*		Two Stages Dialing for Incoming Call		Disable	Disable	Unregistered	Enable	Disable	
Aanipulate	*		Two Stages Dialing for Incoming Call	<u></u>	Disable	Disable	Unregistered	Enable	Disable	12
		8 Items Total 16 Items/Page	1/1 First Previous Next Last Go to Pr	age <mark>1 ▼</mark> 1 Pages	Total				B	atch Modi

Configure as portas FXO

Em Port – selecione a porta a ser alterada

Type – informe o tipo de conta, neste caso temos uma conta FXO

Register Port – como estamos utilizando a configuração por gateway selecione No.

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**Connection Method** – selecione Static Binding

Bound Number – digite o valor a ser enviado ao Servidor de Telefonia assim que uma chamada chegar até a porta FXO. Neste exemplo o valor é a SIP Account.
Caller ID Dection – marque a opção para reconhecer que "número" telefônico chamou a linha conectada a porta do gateway

		and the line state.	.http://www.
Fri May 06 2016 15:59:4	3 GMT-0300 (Hora oficial do Brasil)		Current User.admin Logout
Operation Info	*		
Quick Config	*	FXO-Modify	
		Dat	
VOIP	•	Tung EXO	
Advanced	*		
(i) Port	*	Register Port No 🔻	
510		SIP Account 8009	
FXS			
PAO Bort Group		Connection Method Two Stages Dialing	
Poit Group		Echo Canceller Coll	
Route	*	Caller ID Detertion	
Num Maninulate	×	Polarity Reversal Detection	
System Tools	*		
		Modify Reset Cancel	

#### Port $\rightarrow$ Port Group clique em Add New

			<b>I</b> 1
Fri May 06 2016 16:00:2	0 GMT-0300 (Hora oficial do Brasil)	Current User:admin	Logout 🕘
Operation Info	8		
Quick Config	s		
VolP	s No available port group:		
🔅 Advanced	Add New		
(i) Port			
FXS	( )		
FXO			
Port Group			
Route	*		
Num Manipulate	*		
System Tools	¥		

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Agora registre no grupo, a conta SIP que foi criada no elastix, e marque as portas que você vai utilizar.

Fri May 06 2016 17:44	:30 GMT-0300 (Hora oficial do Brasil)			Current User.admin Logout (2)
Operation Info	*		Port Group-Add	
VolP	*	Index	1	•
Advanced	*	Description	default	
FXS FXO Port Group		Register Port Group SIP Account Password	YES	
Route	*	Authentication Mode	Register Port Group	•
Num Manipulate	*	Port Select Mode Preemptive Answer Keyboard Shortcut	Increase	
System Tools	8	Port	Port 1 (FXS)         Port 2 (FXS)         Port 3 (FXS)           Port 5 (FXS)         Port 6 (FXS)         Port 7 (FXS)           Port 5 (FXS)         Port 6 (FXS)         Port 7 (FXS)           Port 3 (FXO)         Port 11 (FXO)         Port 11 (FXO)           Port 13 (FXO)         Port 14 (FXO)         Port 11 (FXO)           Port 13 (FXO)         Port 14 (FXO)         Port 11 (FXO)           Port 13 (FXO)         Port 14 (FXO)         Port 15 (FXO)           Port 21 ()         Port 22 ()         Port 23 ()           Port 25 ()         Port 23 ()         Port 23 ()           Port 29 ()         Port 30 ()         Port 31 ()           CheckAll         Inverse         CheckAll FXO Ports         CheckAll	Port 4(FXS)           Port 8(FXS)           Port 18(FXO)           Port 18(FXO)           Port 18(FXO)           Port 20()           Port 22()           Port 32()           Port 32()           Port 32()           Port 32()

# $\rightarrow$ Router $\rightarrow$ IP-->Tel $\rightarrow$ Add New

Após clicar em "Add New", tecle em "Save" para criar rota de saída.

					n. III. all	
Fri May 06 2016 16:01:43 Gr	MT-0300 (Hora oficial do Brasil)				Current User:admin	Logout 😃
Operation Info 🛛 🗧	Standard Mode Character Mode					
Quick Config 🛛 😆				_		
VolP ×		IP->Tel Ro	outing Rule			
<ul><li>⟨ô⟩ Advanced </li></ul>						
Port		Index:	63 V			
Route 😤		Description:	default	]		
Routing Parameters		Source IP:	*			
Tel>IP		CallerID Prefix:	•			
🗐 Num Manipulate 🗧		CalleeID Prefix:	•			
System Tools 🛛 🗧		Route by Number	Enable	]		
		Call Destination:		]		
		Save	Close			

 $\rightarrow$  Router  $\rightarrow$  Tel-->IP  $\rightarrow$  Add New

Destination IP: Coloque o IP do Elastix.

Depois clique em "Save", para criar a rota de entrada.



			line, all the states and all the second	ll.
Fri May 06 2016 16:02:17 G	MT-0300 (Hora oficial do Brasil)		Current User.admin	Logout 🕑
Operation Info 🗧	Standard Mode Character Mode			
🛄 Quick Config 🛛 🗧			_	
🚟 VolP 🛛 😣		Tel->IP Routing Rule		
{ô} Advanced ≥			ile!	
(i) Port ≥		Index: 63 T		
🖸 Route 🗢		Description: default		
Routing Parameters		Source Port Group:		
Tel->IP	•	CallerID Prefix: *		
🔄 Num Manipulate 🗧		CalleelD Prefix: *		
System Tools 🗧 🗧		Destination IP:		
		Destination Port: 5060		
		Save Close		
			_	

Agora iremos configurar o Elastix. Neste exemplo utilizaremos uma conta 1000.

 $\rightarrow$  PBX  $\rightarrow$  Extensions

Clique em Submit para configurar a conta;

gelastix _	-				0				491
PBX Configuration Operator Panel	Voice	mail	Monitoring	Endpoint	Conterence	Batch of Extens	ions Tools	Flash Operator	VoIP Provider
PBX Configuration				Constitution.				A STA	2
Participations Peature Codes General Settings Outbound Routes Trunks Inbound Routes Trunks Inbound Routes Zap Channel DIDS Announcements Blacklist CallerID Lookup Sources Day/Night Control Follow Me TVR Queue Priorities Queues Ring Groups Time Conditions Time Groups Inter Conditions Time Groups Inter Conditions Misc Applications Misc Applications Misc Applications Misc Applications Misc Applications Misc Applications Misc Destinations Misc Destinations Misc Destinations Misc Destinations Music on Hold PIN Sets Paging and Intercom Parking Lot System Recordings VolceMail Blasting Parking Lot	Add al Pease se Device Submit	n Extensi lect your Devi	OT te below then cli Device	ck Submit					Add Extension

Em User Extension digite 1000;



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;

Ø <sup>elastix</sup>	Sistema Agenda	Email	Tax 🕻	PEX	M Report	в 🗸	111	101911
PBX Configuration Operator Pane	Voicemail	Monitoring	Endpoint	Conterence	Batch of Extensions	Toois	Flash Operator Panel	VoIP Provider
PBX Configuration								?
Extensions Feature Codes General Settings Outbound Routes	Add SIP Exter	•						Add Extension
Trunks Inbount Cal Caribi Inbound Routes Zap Channel DIDs	User Extension Display Name	1000 1000						
Announcements Blacklist CallerID Lookup Sources	CID Num Alias SIP Alias							
Follow Me IVR	Outbound CID							
Queue Priorities Queues Ring Groups	Ring Time Call Waiting	Default • Disable •						
Time Conditions Time Groups Internal Options & Configuration	Call Screening Piniess Dialing	Disable	•					
Conferences Languages Misc Applications	Assigned DE/CE							
Misc Destinations Music on Hold	DID Description							
PIN Sets Paging and Intercom Parking Lot	Add Inbound DID Add Inbound CID							
System Recordings VoiceMail Blasting Renols Access	Device Options	er handnav						
Callback	(secret)	admin123						

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



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

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Oelastix	Sistema Arendo Emal Fox PBX 114	A R E
PBX Configuration Operator Pane	Voicemail Monitoring Endpoint Conference Batch of Ex	ctensions: Tools Flash Operator VotP Provider
PBX Configuration		7
frame		
Extensions	Add an Extension	Add Extension
Feature Codes		(1000 <1000>)
General Settings	Please select your Device below then click Submit	
Outbound Routes	Paulos	
Trunks		
Indound Call Control		
Inbound Routes	Device Generic SIP Device *	

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

Remote Access	Device Options		
Caliback			
DISA	This device uses sip technology.		
Unembedded fmaDBV	secret	admin123	
unempedded rreerox	dtmfmode	rfc2833	
	canreinvite	no	
	context	from-trunk	
	host	dynamic	
	type	friend	
	nat	yes	
	port	5060	
	quality	yes	
	caligroup		
	pickupgroup		
	disallow		
	allow		
	dial	SIP/1000	
	accountcode		
	mailbox	1000@device	
	vmexten		
	deny	0.0.0.0/0.0.0.0	
	permit	0.0.0/0.0.0	

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





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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			0				6912
PEX Configuration Overato	Sistema Agenda Panel Voicemail	Email Par Monitoring Endpoint	Conference	Batch of Extensions	Tools	Flash Operator	VolP Provider
PBX Configuration	(		().				2
Extensions Extensions	Add CUSTOM T	runk					Add Trunk
General Settings Outbound Routes	General Settings						
Trunks Inform Call Calified	Trunk Name	FXO					
Inbound Routes	Outbound Caller ID						
Zap Channel DIDs	CID Ontions	Allow Ania CTD					
Announcements	CTD Options	Anow Any Cap					
Blacklist	Maximum Channels						
CallerID Lookup Sour	ces Disable Trunk:	Disable					
Day/Night Control	Monitor Trunk Failure	£.	1.1 Enable				
Follow Me							
IVR	Dialed Number Mar	upulation Rules					
Queue Priorities							
Queues	(prepend ) + pre	fix   match pattern	8				
Ring Groups	+ Add More Dial Pat	ern Fields Clear all Field	\$				
Time Conditions	Dial Rules Wizards	(nick one)					
Time Groups	Outbound Dial Drafts	(Brief Mint)					
Internal Options & Certigurat	on Outbound Dial Prenk						
Conferences	Outgoing Settings						
Languages							
Misc Applications	Curtom Dial String	STR/1000/2017NUM2					
Misc Destinations	custom biar string.	(317) 1000/3001 NONS					
Plast on Hold	Falance Charges						
Pare Dors	Submit Changes						

Agora vamos criar rota de entrada e saída, acesse:

 $\rightarrow$  PBX- $\rightarrow$  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.



Øelastix _	1.11		0	TROPI		100	691
PEX Configuration Operator Panel	Sistema Apenda Voicomail	Email Fax Monitoring Endpoint Configurate	Conference	Batch of Extensions	Tools	Flash Operator Paoel	VolP Provider
PBX Configuration							2
Extensions	Add Route						Add Route
General Settings Outbound Routes	Route Settings						
Trunks	Route Name:	saida					
Indexed Car Corro	Route CID:		Duerride Extension				
Zan Channel DIDs	Prode Decemends		- Overnoe Extension				
Appouncements	Route Password:						
Blacklist	Route Type:	Emergency III Intra-Company					
CallerID Lookup Sources	Music On Hold?	default *					
Day/Night Control	Time Group:	Permanent Route •					
Follow Me	Route Position	Last after 9_outside •					
IVR							
Queue Priorities	Additional Settings						
Queues							
Ring Groups	PIN Set:	None •					
Time Conditions							
Time Groups	Dial Patterns that will	use this Route					
Internal Options & Configuration		-					
Conferences	(prepend ) + pre	fix (IX. )	/ Caller1d 18	3			
Languages	4 Add More Dial Ba	them Fields					
Misc Applications	Pial patterne witterd	E (hish and)					
Misc Destinations	Diai pacterns wizaro	s. (pice one)					
Music on Hold	Trunk Sequence for M	atched Routes					
PIN Sets	Train Sequence for th	arcine a montes					
Paging and Intercom							
Parking Lot	C HAD A		2 4- 42				
System Recordings	Provide States and States		2 de 13				
VoiceMail Blasting	Submit Changes						

Para criar a rota de entrada, acesse:

 $\rightarrow$  PBX $\rightarrow$  Inbound Routes

Description: escolha o nome da rota de entrada

Set Destination: selecione o ramal que receberá as ligações



Trunks	Description	ntrada	Unused DIDs
Inbound Routes	DID Number:		entrada
Zap Channel DIDs	Caller ID Number		8001 / any C1
Announcements	CID Priority Posts		
Blacklist	CID Plinity Route		
CallerID Lookup Sources	Options		
Day/Night Control			
Follow Me	Alert Info		
IVR	CID name orativ		
Queue Priorities	Cap name prenk		
Queues	Music On Hold:	Default •	
Ring Groups	Signal RINGING	0	
Time Conditions	Pause Before Answer		
Time Groups			
mmal Options & Configuration	Privacy		
Conferences			
Languages	Privacy Manager:	No •	
Misc Applications	1111111000000000		
Misc Destinations	CID Lookup Source		
Music on Hold			
PIN Sets	Source	None •	
Paging and Intercom	2010/0		
Parking Lot	Fax Denect		
System Recordings			
VoiceMail Blasting	Detect Faxes	* No <sup>O</sup> Yes	
emole Access			
Callback	Language		
DISA			
CHON .	Language		
unempedded freePBX			
	Set Destination		
	Extensions	<400> 400 •	
	All the second second second second		
	Submit Clear Des	nation & Submit	

Pronto! O Synway 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.

Compre este produto clicando aqui: