

# How to configure Synway Gateway for a connection with 3CX Phone System

**Technical Department** 

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#### 1. Abstract

3CX Phone System for Windows is a software-based IP PBX that replaces a proprietary hardware PBX / PABX. 3CX's IP PBX has been developed specifically for Microsoft Windows and is based on the SIP standard, making it easier to manage and allowing you to use any SIP phone (software or hardware).

Synway SMG gateway family helps customers access to IP networks from legacy telephony applications more reliably and efficiently.

This document will help you to configure Synway Digital or Analog Gateway for a connection with 3CX Phone System.

#### 2. Test Environment

Windows 2008 server R2, 64bit .NET Framework 3.5.1 3CX Phone System 12.5, download from http://erp.3cx.com/downloads/download.aspx Synway Digital Gateway: SMG2120, 1.6.1\_2015062617 Synway Analog Gateway:SMG1032, 1.5.2\_Release+2015052812

### 3. Installing 3CX Phone System & Running the Configuration Wizard

Please refer to http://www.3cx.com/docs/manual/, you can find 3CX Phone System 12.5 Manual & Documentation Index

- 1) Download the latest version of 3CX Phone System.
- 2) Start the installation of 3CX Phone system by double clicking on the setup file.
- 3) Click "Next" to begin installation step by step.
- 4) Click "Install". Once 3CXPhone has been installed, click "Finish" to enter into configuration wizard.
- 5) The wizard will ask you to set language, static public IP address, and create a new PBX account step by step.
- 6) After the wizard has completed, you can connect to the 3CX Phone System Management Console by clicking on the management console short cut in the desktop.







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> 3CX PhoneSystem 12.5 Setup	<u>_                                    </u>
Select Installation Folder This is the folder where 3CX PhoneSystem will be installed.	3CX
To install in this folder, dick "Next". To install to a different folder, e "Browse".	nter it below or click
Folder:	
C:\Program Files\3CX PhoneSystem\	Browse
-3CX Phone System Setup	xt > Cancel



3CX PhoneSystem 12.5 Setup			×
Select Web Server			0001
Select which web server to use for the 3C	Management C	onsole	3CX
3CX requires a web server for several of it bundled webserver 'Abyss'.	s services. You o	can use Microsoft	IIS or the
Note: On Windows desktop operating syst be used.	ems such as Win	dows 7 and 8, on	ly Abyss can
For Server Operating systems and large in: recommended.	talls over 250 u	sers, <mark>Mi</mark> crosoft II	Sis
G 3CX Web Server (A	byss Web Serve	er)	
C Microsoft IIS (Inter	net Information	Service)	
3CX Phone System Setup			
	< Back	Next >	Cancel
3CX PhoneSystem Setup			×
> 3CX PhoneSystem Setup Choose Web Ports			×
3CX PhoneSystem Setup     Choose Web Ports     Choose the Web Server Ports that will be a	ised for your or	ganization	× 3CX.
3CX PhoneSystem Setup     Choose Web Ports     Choose the Web Server Ports that will be u     3CX uses HTTP/HTTPS for the managemen     and other information.	ised for your or t console and to	ganization send presence, p	X 3CX.
3CX PhoneSystem Setup     Choose Web Ports     Choose the Web Server Ports that will be a     3CX uses HTTP/HTTPS for the managemen     and other information.     If you already have a web server with web     5000/5001. You will need to open TCP port	ised for your org t console and to sites running or s 5000/5001 on	ganization send presence, p n this machine, ch your firewall.	X 3CX. provisioning pose
3CX PhoneSystem Setup     Choose Web Ports     Choose the Web Server Ports that will be a     3CX uses HTTP/HTTPS for the managemen     and other information.     If you already have a web server with web     5000/5001. You will need to open TCP por     If you are upgrading from a previous versi     the default eart 90/443 and record the previous versi	ised for your org t console and to sites running or s 5000/5001 on on of 3CX, use 5	ganization send presence, p h this machine, ch your firewall. 5000/5001. Altern	X 3CX. provisioning pose natively use
<ul> <li>3CX PhoneSystem Setup</li> <li>Choose Web Ports</li> <li>Choose the Web Server Ports that will be a</li> <li>3CX uses HTTP/HTTPS for the management and other information.</li> <li>If you already have a web server with web 5000/5001. You will need to open TCP port If you are upgrading from a previous versit the default port 80/443 and resend the Pro- This guide explains how to choose Web port</li> </ul>	ised for your org t console and to sites running or s 5000/5001 on on of 3CX, use 5 ovisioning Welco ts for 3CX Phon	ganization send presence, p this machine, ch your firewall. 5000/5001. Altern me Emails. I <u>e System</u>	Sorovisioning actively use
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SCX PhoneSystem Setup      Choose Web Ports      Choose the Web Server Ports that will be a     SCX uses HTTP/HTTPS for the management     and other information.      If you already have a web server with web     S000/5001. You will need to open TCP port     If you are upgrading from a previous versi     the default port 80/443 and resend the Pro-     This guide explains how to choose Web port      Use HTTP 5000 and HTTPS 5001      Use HTTP 80 and HTTPS 443 or set	ised for your org t console and to sites running or s 5000/5001 on on of 3CX, use 5 ovisioning Welco its for 3CX Phon	ganization send presence, p this machine, che your firewall. 5000/5001. Altern me Emails. he System	x 3CX provisioning oose natively use
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SCX PhoneSystem Setup      Choose Web Ports      Choose the Web Server Ports that will be a     SCX uses HTTP/HTTPS for the management     and other information.      If you already have a web server with web     S000/5001. You will need to open TCP port     If you are upgrading from a previous versi     the default port 80/443 and resend the Pro     This guide explains how to choose Web port     Ouse HTTP 5000 and HTTPS 5001      Use HTTP 80 and HTTPS 443 or set      SCX Phone System	ised for your org t console and to sites running or s 5000/5001 on on of 3CX, use 5 ovisioning Welco ts for 3CX Phon	ganization send presence, p this machine, che your firewall. 5000/5001. Altern me Emails. <u>ie System</u> orts below	x 3CX. provisioning oose natively use



3CX PhoneSystem Setup	x
Configure HTTPS	30X
Enter the following information to dreate your 35t certain	
Company Name	
Enter your company name	synway
Internal / local FQDN Enter your 3CX Phone System internal fully qualified domain name (FQDN). FQDN must resolve correctly from the LAN! <u>How to setup an internal FQDN</u> (If you do not have a DNS Server enter the Internal/Loc	218.108.248.200 al IP)
External FQDN	
Enter your 3CX Phone System external fully qualified domain name (FQDN). FQDN must resolve correctly from the Internet! How to gat in an external FODN	218.108.248.200
(If you do not have a DNS Server enter the External/Pub	olic IP)
Certificate Password	
Create a certificate password.	synway
3CX Phone System Setup < Back	Next > Cancel
3CX PhoneSystem 12.5 Setup	×
Ready to Install The Setup Wizard is ready to begin the 3CX PhoneSystem	installation 30X.
Click "Install" to begin the installation. If you want to review installation settings, click "Back". Click "Cancel" to exit the v	w or change any of your vizard.
< Back	Install Cancel





Welcome to 3CX User Settings	Wizard	×
3CX	Software based PBX for Windows	
General Settings Language Public IP	Welcome to 3CX User Settings Wizard	
Settings Extension Digits Mail Server Administrator Login	3CX User Wizard helps you set up 3CX Phone System. To start, Please select your language then click Next.	
Phone Settings Region General Settings Allowed Countries Finalize	English	
Save Configuration Registration Finalize		
	<back next=""> Fini</back>	ish



eneral Settings				
Language	C Configure Default IP Address			
Settings Extension Digits				
Mail Server Administrator Login Phone Settings Region General Settings	Enter your Public (External) IP Address here. This will be used for remote extensions, VoIP Providers, and remote phone provisioning. Note that dynamic public IP Addresses or services like DynDns are not supported.			
Allowed Countries nalize	Static Public IP			
Save Configuration Registration	External FQDN	218.108.248.200		
Finalize	Select the network interf internet (Default Gatewa	face on this computer that is connected to the ay)		
	Network card Interface	192.168.10.63		
	No, I do not have a Sta WARNING! VoIP Provide WebRTC will NOT work	atic Public IP Address. ers, Remote extensions, Bridges and reliably with this configuration.		





Welcome to 3CX User Settings	Wizard Software based	► PBX for Windows
General Settings Language Public IP Settings Extension Digits Mail Server Administrator Login Phone Settings Allowed Countries Finalize Save Configuration Registration Finalize	Specify number of digits Select how many digits yo have. System defaults are least 30 numbers for syst changed after installation. C 2 Digits (Available 3 Digits (Available C 4 Digits (Available 5 Digits (Available	extensions between 10-99) extensions between 100-999) extensions between 100-999) extensions between 1000-9999)
Welcome to 3CX User Settings 3000 General Settings Language Public IP 2019 January	s Wizard Software based Mail Server Settings	< Back Next > Finish × PBX for Windows
Settings Extension Digits Mail Server Administrator Login Phone Settings Region General Settings Allowed Countries Finalize Save Configuration Registration Finalize	Please enter the name of sender's email address server to send voice mail SMTP Server: E-mail address: User: Password: Enable SSL/TLS:	or IP address of your SMTP server and the . 3CX Phone System will use this SMTP il notifications. smtp.synway.cn fqh@synway.cn
		< Back Next > Finish



	22	
ral Settings nguage blic IP	Administrator Login and Pase	sword
ttings tension Digits il Server	Please enter your preferred u require these to logon to 3C>	ser name and password. You will Management Console.
ministrator Login e Settings	Username:	admin
gion neral Settings	Password:	•••••
owed Countries	Confirm Password:	•••••
ve Configuration gistration alize		
		< Back Next > Finis
lcome to 3CX User Setting	ps Wizard	< Back Next > Finis
Icome to 3CX User Setting	gs Wizard Software based PB Select Region and Internation	<ul> <li>Back Next &gt; Finis</li> <li>X for Windows</li> <li>nal Dialing Code</li> </ul>
Icome to 3CX User Setting	gs Wizard Software based PB Select Region and Internation Specify the region where 3CX	<ul> <li>Back Next &gt; Finis</li> <li>X for Windows</li> <li>nal Dialing Code</li> <li>Phone System will be operating from</li> </ul>
come to 3CX User Setting	gs Wizard Software based PB Select Region and Internation Specify the region where 3CX Select Country China (+86	< Back Next > Finis X for Windows hal Dialing Code Phone System will be operating from )
Icome to 3CX User Setting	select Region and Internation Specify the region where 3CX Select Country China (+86 International Dialing Code (E) When making an international the number you are required to selecting the country verify the	  
Icome to 3CX User Setting	select Region and Internation Specify the region where 3CX Select Country China (+86 International Dialing Code (E) When making an international the number you are required the selecting the country verify the	Exact Next > Finis          K for Windows         Nal Dialing Code         Phone System will be operating from         )         it Code)
come to 3CX User Setting COX User Settings ral Settings anguage blic IP ension Digits il Server ministrator Login e Settings gion neral Settings pwed Countries re we Configuration gistration alize	s Wizard Software based PB Select Region and Internation Specify the region where 3CX Select Country China (+86 International Dialing Code (E) When making an international the number you are required f selecting the country verify the International Dialing Code International Dialing Code	< <p>Eack Next &gt; Finis K for Windows al Dialing Code Phone System will be operating from ) It Code) It Code)</p>



Welcome to 3CX User Settings V	Wizard	X
3CX	Software based PB	K for Windows
General Settings Language	Operator and Voicemail Exter	ision
Public IP Settings Extension Digits Mail Server	Select the Operator Extension for inbound calls.	which will be the default destination
Administrator Login	Create the Operator Extensi	on
Phone Settings Region	Extension Number:	100
General Settings	First Name:	hui
Allowed Countries	Last Name:	fano
Save Configuration Registration	E-mail address:	fqh@synway.cn
Finalize	Voice mail extension:	999
General Settings Language Public IP Settings Extension Digits Mail Server Administrator Login Phone Settings	Allowed International Regions	x for Windows
Region General Settings Allowed Countries Finalize Save Configuration Registration Finalize	Asia and the Middl     Asia and the Middl     Africa     Australia	e East
		< Back Next > Finish



Welcome to 3CX User Settin	gs Wizard	×
3CX	Software based PBX for Win	dows
General Settings Language Public IP Settinos	Create Configuration Database	
Extension Digits Mail Server Administrator Login Phone Settings	Finished!	
Region General Settings Allowed Countries Finalize	Starting primary database service Creating configuration database	Done Done
Save Configuration Registration Finalize	Importing prompt set information Starting secondary database service	Done Done
	Starting up core services	Done
	<	Back Next > Finish

Welcome to 3CX User Setting	Wizard	×
3CX	Software based PBX for Windows	
General Settings Language Public IP	Online Registration	
Settings Extension Digits Mail Server Administrator Login Phone Settings	Would you like to receive a quote from a 3CX partner for a complete phone system? 3CX has a worldwide partner network that can support your installation and provide you with IP phones and VoIP Gateways/Cards. You can skip this step by clicking the Skip button.	
Region General Settings Allowed Countries Finalize	First Name:	
Save Configuration Registration Finalize	Last Name: E-mail address:	
	Company name: Extensions: <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	
	< Back Next > Finish	



Welcome to 3CX User Settin	gs Wizard
Welcome to 3CX User Settin 3000 General Settings Language Public IP Settings Extension Digits Mail Server Administrator Login Phone Settings Administrator Login Phone Settings Allowed Countries Finalize Save Configuration Registration Finalize	<section-header>         ggg Wizard         Construct based PBX for Windows         Longratulations - Initial setup completed successfully!         Nou have just finished the initial setup of 3CX Phone System Free finition is completely free and will not the out. However, business users should consider the commercial edition. It provides additional features, as well the ability to purchase a support package.         http://www.3cx.com/phone-system/edition-comparison.html         Thank you for installing 3CX Phone System. For more information on 5CX, visit our website:         http://www.3cx.com/</section-header>
	<back next=""> Finish</back>



#### 4. Configuring Synway Digital Gateway for a Connection with 3CX

#### 3CX IP Address: 192.168.10.63

Synway Digital Gateway IP Address: 192.168.10.248

Synway Digital Gateway E1 port PCM0 connects to E1 endpoint , here we use Synway SHD digital trunk board as the E1 endpoint, both are configured in PRI protocol

## Below is the configuration among 3CX Phone System, Eyebeam, and Synway Digital Gateway, try to make calls from these scenarios:

#### a) Eyebeam-->3CX-->Digital Gateway-->E1 Endpoint

- b) E1 Endpoint-->Digital Gateway-->3CX-->Eyebeam
- To connect to the management console, start a web browser and enter the name of the machine on which 3CX Phone System is installed, followed by 'Management'. Here is an example, http://192.168.10.63:5000/Management.



CX	3CX Phone System
Language	
English	
User Name	
Password	
Login	Maintenance Not Available
	Language English User Name Password



To add an extension, click on 'Add Extension' from the toolbar, specify an authentication ID and password for 2) this extension.

Ports/Trunks Status	Le Add Extension	🕺 Edit Extension 🛓	Delete Extension 🛒	Import Extension	Export Exte
Extension Status	Filter:				
System Extensions Status	Extension Number	First Name	Last Name		Email Address
3CXPhone Clients	100	hui	fang		fqh@synway.c
Remote Connections					
Phones					
Server Activity Log					
Server Event Log					
Services status					
Extensions					
Extensions WebRTC Gateway					
Extensions WebRTC Gateway VoIP/PSTN Gateways					
<ul> <li>Extensions</li> <li>WebRTC Gateway</li> <li>VoIP/PSTN Gateways</li> </ul>					
Extensions  WebRTC Gateway  VoIP/PSTN Gateways  Ports/Trunks Status	lit Extension settings and	click OK or Apply to s	ave changes.		
Extensions WebRTC Gateway VoIP/PSTN Gateways Ports/Trunks Status Extension Status	lit Extension settings and ral Voice Mail Forwa	click OK or Apply to si rding Rules Phone Pi	ave changes. rovisioning 3CXPhone (	Other Options	Office Hours S
Extensions WebRTC Gateway VoIP/PSTN Gateways Ports/Trunks Status Extension Status System Extensions St	lit Extension settings and ral Voice Mail Forwa	click OK or Apply to se rding Rules Phone Pr	ave changes. rovisioning 3CXPhone	Other Options	Office Hours S
Extensions WebRTC Gateway VoIP/PSTN Gateways Ports/Trunks Status Extension Status System Extensions St 3CXPhone Clients	lit Extension settings and ral Voice Mail Forwa ser Information	click OK or Apply to se rding Rules Phone Pi	ave changes. rovisioning 3CXPhone	Other Options	Office Hours S
Extensions WebRTC Gateway VoIP/PSTN Gateways Ports/Trunks Status Extension Status System Extensions St 3CXPhone Clients Remote Connections	lit Extension settings and ral Voice Mail Forwa ser Information onfigure user information	click OK or Apply to si rding Rules Phone Pi	ave changes. rovisioning 3CXPhone	Other Options	Office Hours S
Extensions WebRTC Gateway VoIP/PSTN Gateways Ports/Trunks Status Extension Status System Extensions St 3CXPhone Clients Remote Connections Phones	It Extension settings and ral Voice Mail Forwa ser Information onfigure user information Extension Number	click OK or Apply to se rding Rules Phone Pr below	ave changes. rovisioning 3CXPhone 1	Other Options	Office Hours S
<ul> <li>Extensions</li> <li>WebRTC Gateway</li> <li>VoIP/PSTN Gateways</li> <li>Ports/Trunks Status</li> <li>Extension Status</li> <li>System Extensions St</li> <li>3CXPhone Clients</li> <li>Remote Connections</li> <li>Phones</li> <li>Server Activity Log</li> </ul>	It Extension settings and ral Voice Mail Forwa ser Information onfigure user information Extension Number First Name	click OK or Apply to sa rding Rules Phone Pr below	ave changes. rovisioning 3CXPhone 101	Other Options	Office Hours S
Extensions WebRTC Gateway VoIP/PSTN Gateways Ports/Trunks Status Extension Status System Extensions St 3CXPhone Clients Remote Connections Phones Server Activity Log Server Event Log	tit Extension settings and ral Voice Mail Forwa ser Information onfigure user information Extension Number First Name Last Name	click OK or Apply to si rding Rules Phone Pi	ave changes. rovisioning 3CXPhone 1	Other Options	Office Hours S
Extensions WebRTC Gateway VoIP/PSTN Gateways Ports/Trunks Status Extension Status System Extensions St 3CXPhone Clients Remote Connections Phones Server Activity Log Server Event Log Services status	dit Extension settings and ral Voice Mail Forwa ser Information onfigure user information Extension Number First Name Last Name Email address	click OK or Apply to sa rding Rules Phone Pr below	ave changes. rovisioning 3CXPhone	Other Options	Office Hours S (i) (i) (i) (i)

> IVOIP Providers Ť Inbound Rules Bridges

> t **OutBound Rules** .

ŝ. 0 ID 101 C 1 Password synway \*\*\*



3) To set an Eyebeam registering to the 3CX Phone System, the User name and Password fields here must match the extension in the 3CX Phone System.

	Settings		X
Logged in - enter phone number Your number is: 100	Choose Setting Category	<ul> <li>Enable this SIP account</li> <li>User Details</li> <li>Display Name</li> <li>User name</li> <li>Password</li> <li>Authorization user name</li> <li>Domain</li> <li>Domain Proxy</li> <li>Register with domain</li> <li>Use as Outbound Proxy</li> <li>Manual Override Host</li> <li>SIP Listen Port</li> <li>Manual override</li> <li>Clear</li> </ul>	100 100 100 192. 168. 10.63 6594 6594 Kevert OK Cancel

Once the Eyebeam registered to the 3CX Phone System, the Extension Status shows Registered(idle).

3CX Server Mana	ager 🕨 Extension Sta	tus				
Reports/Trunks Status	💥 Disconnect Call 🍸 Sho	w Filter				
Extension Status	Status	Extension	User Status	DND	Queues	Name
System Extensions Status	Registered (idle)	100	Available	OFF	OUT	hui fang
CXPhone Clients	Not Registered	101	Available	OFF	OUT	
Remote Connections						



4) To add a Synway Digital Gateway as a Sip Trunk, click on 'VoIP Providers' from the toolbar, follow below steps to add a 'synway smg' sip trunk. As Synway has not been in the VoIP Provider list, here we should select 'Generic SIP Trunk'

<section-header> Ports/Trunks Status</section-header>	Add VOIP Provider Wizard		
🔊 Extension Status	Add VOIP Provider Wizard		
System Extensions Status SCXPhone Clients Banote Connections	Name of Provider Country	synway smg Generic	() • ()
<ul> <li>Phones</li> <li>Server Activity Log</li> <li>Server Event Log</li> <li>Services status</li> </ul>	Provider URL 3CX Supported VolP Provide	Generic SIP Trunk <u>http://www.3cx.com</u> rs can be found here: <u>http://www.3c</u>	v
<ul> <li>Extensions</li> <li>WebRTC Gateway</li> <li>VoIP/PSTN Gateways</li> <li>VoIP Providers</li> </ul>	more and party tested provid	ers can be found here. <u>http://www.3</u>	cx.compartners/voip-providers.ntml

Enter the IP address and port of the digital gateway, here IP address is 192.168.10.248, and port is 5060.

Status Ports/Trunks Status	Add VOIP Provider Wizard	
Extension Status System Extensions Status	VOIP Provider Details: Enter the hostname and port for your VOIP Provide	er's SIP Server
3CXPhone Clients	SIP server hostname or IP	192.168.10.248
Remote Connections	SIP Server port	5060
Phones	Outbound proxy hostname or IP	
Server Activity Log	Outbound proxy port (default is 5060)	5060
Services status		
La Extensions		
💷 WebRTC Gateway		
VoIP/PSTN Gateways		
I VoIP Providers		



[

#### Set the external number of this sip trunk as 2000.

Ports/Trunks Status	Add VOIP Provider Wizard	
🔍 System Extensions Status	Enter the Authentication ID or SIP User, Passwo	ord and number of your account
<ul> <li>3CXPhone Clients</li> <li>Remote Connections</li> <li>Phones</li> <li>Server Activity Log</li> </ul>	External Number Authentication ID (aka SIP User ID) Authentication Password 3 Way Authentication ID	2000 (j) 2000 (j) (j)
Services status Services stat	Simultaneous Calls Maximum simultaneous calls	30

#### Route the incoming call to extension 100.

<ul> <li>Ports/Trunks Status</li> <li>Extension Status</li> <li>System Extensions Status</li> <li>3CXPhone Clients</li> </ul>	Add VOIP Provider Wizard Office Hours Configure where calls should be routed during off End Call	fice hours.
A Remote Connections	Connect to Extension	100 hui fang
Thones Phones	Connect to Queue / Ring Group	
Server Activity Log	O Connect to Digital Receptionist	
Server Event Log	O Voicemail box for Extension	100 hui fang
Services status	Forward to Outside Number	
<ul> <li>Extensions</li> <li>WebRTC Gateway</li> </ul>	Send fax to email of extension	email of extension 888
VoIP/PSTN Gateways	Same as Out of Office hours	
Inbound Rules		



Create an outbound call rule to Synway Digital SMG, with prefix 9, stripping the 1<sup>st</sup> digit, prepending "123". For example, when making an outbound call 9100 from the extension 100, the other side will receive a call with caller ID 12300.

Ports/Trunks Status	Create an Outbour	nd Call Rule	to configure on which PSTN	port, VOIP provider or bri	dge an outl	bound ca	ills should be placed (	n
System Extension Status	General Rule Name			Rule for sy	nway smg	9		1
<ul> <li>SCXPhone Clients</li> <li>Remote Connections</li> <li>Phones</li> <li>Server Activity Log</li> <li>Server Event Log</li> <li>Services status</li> <li>Extensions</li> </ul>	Apply this rule to thes Define to which outbo Calls to numbers Calls from extens Calls to Numbers Calls for extens	se calls bund calls th starting wit ion(s) with a leng ion group	he rule must apply h prefix th of	9				] (j) ] (j) ] (j) Sele
VoIP/PSTN Gateways VoIP Providers Inbound Rules	Make outbound calls Configure up to 3 rout	on tes for calls	. The second and third route	will be used as backup. F	for each ro Strip D	ute, digit: igits	s can be stripped or a Prep	idded. bend
Bridges	Route	1	synway smg	-	1	•	123	
OutBound Rules     Digital Recentionist	Route	2		<b>*</b>	1	•		
Ring Groups	Route	3		•	1	•		
Call Queues								F



Create an inbound call rule with DID number 0\*, which means call from the Synway Digital Gateway Sip Trunk with callee ID starting with 0 will be accepted by the 3CX Phone System.

Status Ports/Trunks Status	Configure inbound routing of calls based on DID/D	DI or Caller ID
Extension Status	Inbound rule name	
System Extensions Status 3CXPhone Clients	Enter a DID or string to look for in the SIP "to" field. Us dialled number of +35722444032 in the "to" field	se wildcards (*) to match any digit for that entry. For
and Remote Connections	Inbound rule name	SMG to 3CX
<ul> <li>Phones</li> <li>Server Activity Log</li> <li>Server Event Log</li> <li>Services status</li> <li>Extensions</li> <li>Extensions</li> <li>WebRTC Gateway</li> <li>VoIP/PSTN Gateways</li> <li>VoIP Providers</li> <li>Inbound Rules</li> <li>Bridges</li> <li>OutBound Rules</li> <li>Digital Receptionist</li> <li>Ring Groups</li> <li>Call Queues</li> </ul>	Number/Mask Select from the drop-down below the type of inboun Inbound Rule type DID/DDI number/mask Apply this rule to these ports Select the Gateway you want this DID/DDI rule to be Available ports	applied to. You can select on the whole gateway w > Image: Synway smg
<ul> <li>Fax Machines</li> <li>Settings</li> <li>Updates</li> <li>Links</li> <li>Help</li> </ul>	Office Hours Configure where calls to this DID/DDI should be route End Call Connect to Extension Connect to Queue / Ring Group Connect to Digital Receptionist Voicemail box for Extension Forward to Outside Number Send fax to Set up Specific Office Hours	ed during office hours.          100 hui fang         100 hui fang         100 hui fang         email of extension 888         Set up Specific Office Here



### Set the source identification by the DID which is created in the Inbound Rules.

	Ports/Trunks Status	Edit VOIP Provider setting	s and click OK or Apply to sa	ve changes		
60	Extension Status	General Advanced Outb	ound Parameters Inbound F	Parameters Source ID DID		
P.	System Extensions Status					
r,O	3CXPhone Clients	The source of incoming of	alls must be identified. Config	ure how 3CX Phone System should ide	ntify calls from this provider	
50	Remote Connections	Matching Strategy		Match Any Fields	•	
0	Phones	s	IP Field	Variable		
K	Server Activity Log				•	
1	Server Event Log	1212222				
00	Services status	Add/Update	Delete	Clear Selection		
> 2	Extensions	SIP Field		Variable		Custom Valu
= 0	WebRTC Gateway					
= 9	VoIP/PSTN Gateways					
> ())	VoIP Providers					
> \$	Inbound Rules					
71	Bridges	Source identification	n by DID			
> †	OutBound Rules	If Call Source identificati	on is based on dialled number	r and DIDs are in use, you need to spec	ify these DIDs here. Specify	a Mask, or sele
> @	Digital Receptionist					
	Ring Groups	SIP Field containing DID	numbers	Request Line URI : User Part	• (I)	
	Call Oueues					
> 🖻	Fax Machines	Source Identification by	y DID			
>O	Settings	0-	Add Mas	ĸ		
>.+	Updates		Add DID			
>0	Links		Delete			
> 12	li i ala					



C 192. 168. 10. 24	18/en/navigation.php	Soogle (C		• • • •	- + 1
					1.16 <b>.</b> .
15/7/31 下午1:50:03					
Operation Info	*	_	System	n Info	
System Info			Oyster	in inito	
PSTN Status		LAN 1			
SST Server		MAC Addre	ss 00:00:E0:10:10:9	В	
		IP Address	192.168.10.248	255.255.255.0	192.168.10.254
Call Count		DNS Serve	r 0.0.0.0		
0=	0	Receive Pa	ackets All:6117684	Error:0	Drop:0
a VolP	*	Transmit P	ackets All:145682822	Error:0	Drop:0
) PCM	*	Current Sp Work Mode	eed Receive:240 B/s 100Mb/s Full Dur	Transmit:0 B/s blex	
\$\$7	8				
		LAN 2			
Fax	*	MAC Addre	ss 00:00:E0:10:10:9	с	
] Bouto	8	IP Address	192.168.0.101	255.255.255.0	192.168.0.254
Route	٣	DNS Serve	r 0.0.0,0		
Number Filter	*	Receive Pa	ackets All:15	Error:0	Drop:0
a and a second second	~	Transmit P	ackets All:3	Error:0	Drop:0
	<u> </u>	Current Sp	eed Receive:0 B/s	Transmit:0 B/s	
System Tools	*	Work Mode	e 10Mb/s Half Dupl	ex	
		Runtime	1d 2h 41m 26s		
		Operating Mod	e Client		
		Current Versio	n		
		Serial Nur	nber 000000106(4)		
		WEB	1.6.1_201506261	17	
		Gateway	1.6.1_201506261	17	
		Uboot	2.0.6_201407		
		Kernel	#208 Thu Mar 26	15:10:01 CST 2015	
		Firmware	18		

To configure Synway Digital Gateway connecting with 3CX Phone System, start a web browser and enter the E)

6) Click on 'SIP Trunk' from the toolbar, add the 3CX Phone System as a sip trunk, here the 3CX IP address is 192.168.10.63, and port is 5060.

Operation Info	×									
VolP	*		SIP Trunk							
		Check	Index	Remote Address	Remote Port	WAN Option	Outgoing Voice Resource	Incoming Voice Resourc		
SIP			0	192 168 10 63	5060	NET 1	128	128		
SIP Trunk			-	102.100.10.00			120			
SIP Register										
SIP Account		Check/		Uncheck All	Inverse	Delete	Clear All			
SIP Trunk Group		1 Items Total 20 Items/Page 1/1 First Previous Next Last Go to Page 1 🗸 1 Pages Total								



#### 7) Click on 'SIP Trunk Group' on the toolbar, add the SIP Trunk 0 into SIP Trunk Group 0

Operation Info	*						
VolP	*	_			SIP Trunk Group		
		Check	Index	SIP Trunks	SIP Trunk Select Mode	Description	Modify
SIP			0	0	Increase	3CX	G
SIP Trunk							
SIP Register		Check All	Uncheck All	Inverse E Dep	Clear All	1	Additiew
SIP Account		1 Items Total 20	Items/Page 1/1	First Previous Next Las	t Go to Page 1 🗸 1 Pages Total	1	
SIP Trunk Group		•••••••••					
Media							

8) Click on 'PCM Trunk Group' on the toolbar, According to the requirement, add related PCM Trunk(s) into PCM Trunk Group. Here adding all the PCM Trunks 0,1,2,3 into PCM Trunk Group 0.

Operation In	fo 👻											
VolP	*	PCM Trunk Group										
D DCM		Check	Index	PCM Trunks	PCM Trunk Select Mode	Description	Modify					
E PCM	C		0	0,1,2,3	Increase	PRI	1					
PSTN				2.								
Circuit Mainter	nance	Check All	Uncheck All	E Inverse E Del	Te E Clear All		Add New					
PCM		1 Items Total 20	Items/Page 1/1	I First Previous Next Las	: Go to Page 1 💌 1 Pages Total							
PCM Trunk												
PCM Trunk Gr	oup >											
Num-Receivin	ng Rule											
Reception Tim	neout											

 Click on 'Route\ IP->PSTN' on the toolbar, call from the 3CX Phone System will be routed to PCM Trunk Group 0.

Operation Info	*											
VolP	*		Routing Rules									
DCM	*	Check	Index	Call Initiator	CallerID Prefix	CalleeID Prefix	Number Filter	Call Destination	Description	Modify		
ISDN	*		255	SIP Trunk Group [0]	*	123	none	PCM Trunk Group [0]	3CX-SMG			
Eax	*	Check A		ncheck All	E Delete	Clear All			Ado	dNew		
Route	*	1 Items To	tal 20 Iter	ns/Page 1/1 First Prev	ious Next Last Go	o to Page <b>1</b> 🗾 1 P	Pages Total					
Routing Paramete	ers											
IP->PSTN		•										
PSTN->IP												



#### 10) Click on 'Route\ PSTN->IP' from the toolbar, call from E1 Endpoint will be routed to SIP Trunk Group 0.

Operation Info	*											
VolP	*		Routing Rules									
D PCM	*	Check	Index	Call Initiator	CallerID Prefix	CalleeID Prefix	Number Filter	Call Destination	Description	Modify		
	*		255	PCM Trunk Group [0]	*	0	none	SIP Trunk Group [0]	SMG-3CX			
Eax Fax	*	Check Al	I E U	ncheck All E Inverse	Delete	Clear All			Ad	d New		
Route	*	1 Items Tot	tal 20 Iter	ns/Page 1/1 First Previo	us Next Last Go	to Page 🚺 🔽 1 Pa	iges Total					
Routing Paramete	rs											
IP->PSTN												
PSTN->IP		•										

11) Extension 100 in the 3CX Phone System made a call 9100 to Synway Digital Gateway, it finally reached to E1 Endpoint with caller ID 2000, and callee Id 123100.





12) E1 endpoint made a call 010086 to the Synway Digital Gateway, it finally reached to Extension 100 in the 3CX Phone System.

😃 Test	t (32bit versi	on)							_						
System	Function Tes	t New Fun	ction Test Help												
SS7	FSK BUS	CONF	SET PCM	DIGT	SPY 📌	<b>?</b>									
C[	Туре	State	RCnt TnC	Dtm	fRcvBuffer	CallerId	CalleelD	). Suspen V	V Fpeak	OvrEnra Bl	PTime	PTim	P%	ChkPlay	Getf
0	ISDNNetio	Idle								0	0	0	100	NmlEnd	PLA
1	ISDNNetio	Idle							<u></u>	0	0	0	100	NmlEnd	PLA
2	ISDNNetio	Ringback									0	0	100	NmlEnd	PLA
3	ISDNNetio	Idle									0	0	100	NmlEnd	PLA
4	ISDNNetio	Idle						10				0	100	NmlEnd	PLA
5	ISDNNetio	Idle						Incoming	call on 1: :SMC	G to 3CX (888611	58	U	100	NmiEnd	PLA
5	ISDININEtto	Idle						1				U	100	MiniEnd	PLA DLA
á	ISDNNetio	Idle						:SMG to	3CX (88861158	3@192.168.10.6:	3:5	0	100	MmEnd	PLA
9	ISDNNetio	Idle						IGNORE		R	11	0	100	NmlEnd	PLA
10	ISDNNetio	Idle						0:00:04				ŏ	100	NmlEnd	PLA
11	ISDNNetio	Idle					4	0.00.04		~		0	100	NmlEnd	PLA
12	ISDNNetio	Idle								<b>•</b>			100	NmlEnd	PLA
13	ISDNNetio	Idle										0	100	NmlEnd	PLA
14	ISDNNetio	Idle							2 . 3 .	4 9 5 9	6		100	NmlEnd	PLA
15	ISDNNetio	Idle						VEED N			CONE Q	0	100	NmlEnd	PLA
16	ISDNNetio	Idle						Fin I				0	100	NmlEnd	PLA
17	ISDNNetio	Idle							(			0	100	NmlEnd	PLA
18	ISDNNetio	Idle							FLASH REC	REDIAL		U	100	NmEnd	PLA
19	ISDNNetio	Idle										U	100	NmiEnd	PLA DLA
20	ISDININEdo	Idles				1		00	ABC	DEF			100	NMENO	FLA
						1			4 5						
						CurCh	: 2 🔻		GHI JKL	MNO	10				
			6			~	-		7 8	9					
Ba	isicFun   Playb	ackFun   Re	ecordFun Eventi	Driven   I	PFun   OtherF	un   IPRR	Fun   IPRAFun								
Г	Pickup/Hangu	up	Send DTMF					MUTE	* 0	SPEAK PHON	P /				1
	Ssm <u>P</u> ick	kup	DTMF: 010086		FlashTime 5	00	ChkTxDtmf:			Ратн	Cle	earRxDtmf	Buf		
	Ssm <u>H</u> an	gup	Ssm <u>A</u> utoE	Dial	SsmT;	Flash	ChkAtDI:	Ringos			SsmG	etRxDtmfL	.en		
	SsmClearC	allerId	SsmTxDt	tmf	SsmStop	oTxDtmf	ChkTxFlash:		MaxLen:	3	Ssm	Get1stDtm	h		
	SsmClearCa	llerIdEx	SsmAppendP	hoNum			Charl	01	SsmS	etWaitDtmf	SsmG	et1stDtmf	Clr		

#### 5. Configuring Synway Analog Gateway for a Connection with 3CX

3CX IP Address: **192.168.10.63** 

Synway Analog Gateway IP Address: 192.168.10.189

Below is the configuration among 3CX Phone System, and Synway Analog Gateway, FXS 9 and FXS 10 in the Synway Analog Gateway registered to 3CX, try to make calls from these scenarios:

- a) FXS-->3CX-->FXS
- b) FXS-->3CX-->Eyebeam
- c) Eybeam-->3CX-->FXS
- d) Eybeam-->3CX-->Analog Gateway-->PSTN
- e) PSTN-->Analog Gateway-->3CX-->Eyebeam



1) Add two more extensions 101 and 102 in the 3CX Phone System, for details how to add an extension, please refer to Chapter4, Section2 in this document.

🛣 Ports/Trunks Status	💄 Add Extension 🧕	Edit Extension 💄 Delete E	xtension 🧟 Import Extension	n 🔊 Export Extension 🌋 D
Extension Status	Filter:			
System Extensions Status	Extension Number	First Name	Last Name	Email Address
3CXPhone Clients	100	hui	fang	fqh@synway.cn
F Remote Connections	101	Analog	SMG	
Phones	102	Analog	SMG	
Server Activity Log				
🖪 Server Event Log				
Services status				
Extensions				

2) Add the Synway Analog Gateway as a VoIP SIP Trunk, for details, please refer to Chapter4, Section4 in this document.

<b>3CX</b> Server Manage	er ► VoIP Provid	lers						
Ports/Trunks Status	🕂 Add Provider 💉 Edit Provider 前 Delete Provider 🔿 Refresh Registration							
🕵 Extension Status	Provider Name	Host / IP Address	Туре					
System Extensions Status	synway analog smg	192.168.10.189	VolP Provider					
CXPhone Clients	synway smg	192.168.10.248	VolP Provider					
and Remote Connections								
Phones								
Server Activity Log								
🖾 Server Event Log								
Services status								
Extensions								
WebRTC Gateway								
VoIP/PSTN Gateways								
> 🗇 VoIP Providers								
Takes and Dates								



Create an inbound call rule with DID number 1\*, which means call from the Synway Analog Gateway sip trunk with callee ID starting with 1 will be accepted by the 3CX Phone System.

Status Ports/Trunks Status	Configure inbound routing of calls based on DID/D	DI or Caller ID		
Extension Status				
🛤 System Extensions Status	Inbound rule name	a wildoarda (t) to match any diait for that antry E	as avample, aptrice 22444022 OD 22444	102* will both match call
SCXPhone Clients	number of +35722444032 in the "to" field	e wildcards (-) to match any digit for that entry. P	or example, entries 22444032 OR 22444	03" Will Doth match Calls
Remote Connections	Inbound rule name	Analog SMG to 3CX		
Thones				
Server Activity Log	Number/Mask Select from the dron-down below the type of inboury	d rule you want to create and enter a mask for thi	s DID. You can use the * as a wildcard e	either before or after you
Server Event Log				and before of allor you
Services status	Inbound Rule type	DID/DDI number/mask	• (1)	
> Extensions	DID/DDI number/mask	1*		
WebRTC Gateway	Apply this rule to these ports			
VoIP/PSTN Gateways	Select the Gateway you want this DID/DDI rule to be	applied to. You can select on the whole gateway	which will apply the rule to all the ports,	or you can select indivi
> ( VoIP Providers				
Inbound Bules	Available ports	> 🗌 🌐 synway smg	(j)	
Lo Bridges		> 🗹 🌐 synway analog sm	9	
> 1 OutBound Bules				
> Call Queues	1			
Fax Machines	Office Hours			
Settings	Configure where calls to this DID/DDI should be route	d during office hours.		
Updates	O End Call			
Links	Connect to Extension	100 hui fang	<b>-</b> (j)	
Help	Connect to Queue / Ring Group		- (j)	
	Connect to Digital Receptionist		- (j)	
	Voicemail box for Extension	100 hui fang	• (j)	
	Forward to Outside Number			
	Send fax to	email of extension 888	- (j)	

Set up Specific Office Hours 

	~
100 hui fang	•
email of extension 888	×
Set up Specific Office He	ours



Set the source identificat	on by the DID	which is created i	n the Inbound Rules.
----------------------------	---------------	--------------------	----------------------

System Extensions Status	Call Source Identification	entified Configure how 3C)	Phone System should identif	v calls from this provide	r
Remote Connections	Matching Strategy	Match An	v Fields		
Phones	SIP Field		Variable		
Server Activity Log		-		•	
Server Event Log	Add/Update	Delete Cl	ear Selection		
Services status		1.			2 10 10 10
Extensions					
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules					
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules					
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules Bridges	Source identification by DID				
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules Bridges OutBound Rules	Source identification by DID If Call Source identification is based on	dialled number and DIDs ar	e in use, you need to specify	these DIDs here. Specify	y a Mask, or select individual DID
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules Bridges OutBound Rules Digital Receptionist Bing Groups	Surce identification by DID If Call Source identification is based on SIP Field containing DID numbers	dialled number and DIDs ar Request L	e in use, you need to specify ine URI : User Part	these DIDs here. Specif	y a Mask, or select individual DID:
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules Bridges OutBound Rules Digital Receptionist Ring Groups	Surce identification by DID If Call Source identification is based on SIP Field containing DID numbers	dialled number and DIDs ar Request L	e in use, you need to specify ine URI : User Part	these DIDs here. Specif	y a Mask, or select individual DID
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules Bridges OutBound Rules Digital Receptionist Ring Groups Call Queues Fax Machines	Source identification by DID If Call Source identification is based on SIP Field containing DID numbers Source Identification by DID	dialled number and DIDs ar Request L	e in use, you need to specify ine URI : User Part	these DIDs here. Specif	y a Mask, or select individual DID:
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules Bridges OutBound Rules Digital Receptionist Ring Groups Call Queues Fax Machines Settings	Surce identification by DID If Call Source identification is based on SIP Field containing DID numbers Source Identification by DID 1*	dialled number and DIDs ar Request L Add Mask	e in use, you need to specify ine URI : User Part	these DIDs here, Specif	y a Mask, or select individual DID:
WebRTC Gateway VoIP/PSTN Gateways VoIP Providers Inbound Rules Bridges OutBound Rules Digital Receptionist Ring Groups Call Queues Fax Machines Settings Updates	Surce identification by DID If Call Source identification is based on SIP Field containing DID numbers Source Identification by DID 1*	a dialled number and DIDs ar Request L Add Mask Add DID	e in use, you need to specify ine URI : User Part	these DIDs here. Specif	y a Mask, or select individual DID

3) To configure Synway Analog Gateway connecting with 3CX Phone System, start a web browser and enter the IP address of the Synway Analog Gateway.

<ul> <li>192.168.10.189/en/navigation.php</li> </ul>	🦁 🗱 🔻 🖱 🔍 God	ogle ≪trl+K>	☆ 自 ♠ ◆	4
Fri Jul 31 2015 14:29:41 GMT+0800			Langu	lage English ⊻ C
Dperation Info 😤	_	System	ulnfo	
System Info				
Channel State	LAN 1 MAC Address	00:00:E0:10:0E:CI	D	
Can Count	IP Address	192.168.10.189	255.255.255.0	192.168.10.254
🛄 Quick Config 🛛 👻	DNS Server	0.0.0		
	Receive Packets	All:375107	Error:0	Drop:0
S VolP	Current Speed	Receive: 1.8 KB/s	Transmit 1 0 KB/s	0100.0
Advanced 🗧	Work Mode	100Mb/s Full Dupl	ex	
Deart M				
	LAN 2	Disable		
🖸 Route 🛛 👻	Durations	4445 2445 405		
Num Manipulate 🗧	Runtime	10 1n 34m 16s		
	Current Version			
System Tools 🛸	WEB	1.5.2_Release+20	15052812	
	Gateway	1.5.2_Release+20	15052812	
	Serial Num	00000014		
	Authorization Code	0x7		
	U-boot	Nov 24 2014 - 09:2	24:52	
	Kernel	#186 PREEMPT M 2015	on Mar 2 09:06:53 CS	ST
	Firmware	104		
	Device Type	1a4		



4) Click on 'VoIP\SIP' from the toolbar, as two FXS extensions in the Analog Gateway should register to 3CX Phone System, here set the Register IP Address is 192.168.10.63.

Operation Info	*		
😲 Quick Config	8	SIP Setting	gs
VolP	8	SIP Address	LAN 1: 192.168.10.189 💌
SIP		SIP Port	5060
Sip Compatibility		Register Status	Unregistered
NAT Setting		Register Gateway	No
Media			
A70		Registrar IP Address	192.168.10.63
Advanced	*	Registrar Port	5060
i Port	*	Spare Pagistrar Septer	- Enable
Route	*	Spare Registral Server	Ellable
Num Manipulate	*	Registry Validity Period (s)	600
System Tools	*	Multi-Registrar Server Mode	Enable
		SIP Transport Protocol	UDP 💌
		IMS Network	Enable

5) Port 9 and Port 10 are FXS type, set these two ports registering to 3CX with extension number 101 and 102.

Operation Info	×		
🕂 Quick Config	8	FXS-N	Aodify
VolP	8	Port	9
Advanced	*	Туре	FXS
🚺 Port	*	Register Port	Yes
		SIP Account	101
FXS		Password	
Port Group			
		Auto Dial Number	
Route	*	Wait Time before Auto Dial (s)	0
Num Manipulate	*	Echo Canceller	
System Tools	*	Forbid Outgoing Call	
		CID	✓Enable
		Call Waiting	Enable
		DND (Do Not Disturb)	Enable
		Call Forward	Enable
		Advanced Configuration	Enable



Operation Info	*		
🕂 Quick Config	×	FXS-N	lodity
S VolP	8	Port	10
Advanced	*	Туре	FXS
🚺 Port	*	Register Port	Yes
		SIP Account	102
FXS		Password	•••••
FXO Bort Crown			
Pont Group		Auto Dial Number	
Route	8	Wait Time before Auto Dial (s)	0
Num Manipulate	*		
System Tools	*	Echo Canceller	
		CID	
		Call Waiting	
		DND (Do Not Disturb)	
		Call Forward	
		Advanced Configuration	Enable

Operation Info	*	-													
Quick Config	*							FXS Se	ttings						
NoIP.	*	Port	Type	SIP Account	Authentication Username	Auto Dial Num	Forbid Outgoing Call	DND	Forward	FWD Type	FWD Number	CID	Call Waiting	Reg Status	E
2		9	FXS	101	-		Disable	Disable	Disable			Enable	Disable	Registered	
3 Advanced	*	10	FXS	102	-	1122	Disable	Disable	Disable		1.2	Enable	Disable	Registered	t
) Port	*	44	EVO	200	0.23	8.20	Dicabla	Disable	Dicabla		1201	Enable	Disable	Upredictored	۴
FXS			PAS	200			Disable	Disable	Disable			Enable	Disable	Onlegistered	+
		12	FXS	201			Disable	Disable	Disable			Enable	Disable	Unregistered	



#### 6) FXS 9(101) made a call to FXS 10 (102).

Operation Info	*									
		1				Channe	el State			
System Info	_	Channel	Туре	Number	Voltage(v)	State	Direction	CallerID	CalleeID	Reg Status
Channel State		-	Care and	1 10 10 10 10 10 10 10 10 10 10 10 10 10	1	-				-
Call Count		1	FXO	8001	29				1000	Unregistered
	0	2	FXO	8002	0	6	<u>339</u>	0		Unregistered
		3	FXO	8003	0	5				Unregistered
VolP	*	4	FXO	8004	0	6				Unregistered
Searced Advanced	*	5	FXO	8005	0	63				Unregistered
(1) Port	*	6	EXO	8006	0	63				Unregistered
Route	*									
Num Maninulato	~	7	FXO	8007	0					Unregistered
	Ť	8	FXO	8008	0	<b></b>				Unregistered
System Tools	*	9	FXS	101	0	0	TEL->IP	101	102	Registered
		10	FXS	102	0		IP->TEL	101	102	Registered

#### 7) FXS 9(101) made a call to Eyebeam(100)

wed Jul 29 20 13 22.32.41 GWT-0700 (Facilic Statioard Time)

Operation Info	*										
						Channe	el State				Incoming call on 1: Analog SMG (1016
System Info	_	Channel	Туре	Number	Voltage(v)	State	Direction	CallerID	CalleeID	Reg Status	
Channel State		102.1	20000			-					Analog SMG (101@192.168.10.63:50
Call Count		1	FXO	8001	29			10000		Unregistered	
	0	2	FXO	8002	0	6				Unregistered	0:00:02
Quick Config	*	3	FXO	8003	0	53		19 <u>11-</u> 19		Unregistered	
VolP	*	4	FXO	8004	0	53				Unregistered	
Advanced	*	5	EXO	8005	0	63				Unregistered	
(i) Port	*		1740	0000		No. and				Ginegiotorea	FLASH REC O REDIAL
D Pauta	0	6	FXO	8006	0	<i>•</i>	100	10000	1777	Unregistered	
Route	*	7	FXO	8007	0	63	222	11		Unregistered	
Num Manipulate	*	8	FXO	8008	0	63				Unregistered	
System Tools	*		EVO	101	0			101	100	Degistered	
		9	FAS	101	0	<u></u>	TEL-21P	101	100	Registered	
		10	FXS	102	0					Registered	Powered by
		11	FXS	200	0			1922.0	1.6.2	Unregistered	21 COUNTERPATH



#### 8) Eyebeam(100) made a call to FXS 10(102).

Operation Info	*										10 7 2 X 000
						Channe	el State			_	Ringing
System Info		Channel	Туре	Number	Voltage(v)	State	Direction	CallerID	CalleeID	Reg Status	0.0
Channel State Call Count	-	1	FXO	8001	30			1.22	10000	Unregistered	102@192.168.10.63
	0	2	FXO	8002	0	63			-	Unregistered	
	•	3	FXO	8003	0	6	ss		() <b></b> ()	Unregistered	
VolP	*	4	FXO	8004	0	63				Unregistered	
Advanced	*	5	FXO	8005	0	63		2		Unregistered	HOLD PARK AA AC I
Port	*	6	FXO	8006	0	63				Unregistered	FLASH REC O REDIAL
Route	*	7	FXO	8007	0	63				Unregistered	
Num Manipulate	*	8	FXO	8008	0	6				Unregistered	
System Tools	*	9	FXS	101	0					Registered	
		10	FXS	102	0		IP->TEL	100	102	Registered	CLEAR
		11	FXS	200	0					Unregistered	COUNTERPATH

#### 9) Eyebeam(100) made a call to PSTN 088861158.

Click on Port\Port Group from the toolbar, add FXO port into Port Group 1.

Operation Info	×									
Quick Config	*			- 12				Port (	Group Settings	
VolP	*	Check	Index	Description	SIP Account	Authentication Username	Ports	Port Select Mode	Rule for Ringing by Turns	Timeout for Ringing b
Advanced	*		1	FXO	-		1	Increase	3 <del></del> 3	-
() Port	*									
FXS		Check / 1 Items To	All 20 It	Uncheck All ems/Page 1/1	Inverse First Previou	Delete Cles Next Last Go to Page 1	∎rAll ▼ 1 Pa	ges Total		
Port Group										



Create the IP-TEL routing rule, when a call comes in to the gateway on a SIP channel, with callee ID prefix 0, this call will be routed to FXO port, then this FXO port will make an outbound call to PSTN.

Operation Info	*	Standard Mode	Character Mode			
Quick Config	*					IP->Tel Routing Rule
VolP	*	Check	Index	Source IP	CallerID Prefix	CalleeID Prefix
O Advanced	*		63	*	IP->Tel Ro	uting Rule
(i) Port	*				-	
Route	*	1 Items Total 20 Ite	Incheck All = ms/Page 1/1 Firs	Inverse = Delete t Previous Next Last Go to	Index:	63 🗸
Routing Paramete	rs		-		Description:	3cx-pstn
Tel>IP		·			Source IP:	*
Num Manipulate	*				CallerID Prefix:	*
System Tools	×				CalleeID Prefix:	0
					Route by Number	Enable
					Call Destination:	
					Save	Close

#### Eyebeam(100) made a call to PSTN 088861158.

Operation Info	*					Chanr	nel State			
System Info		Channel	Type	Number	Voltage(v)	State	Direction	CallerID	CalleelD	Reg Status
Channel State	-		1760	Humon	Voltago(v)	Oldie	Direction	Odireno	Calicolo	Tteg oracio
Call Count		1	FXO	8001	6	۲	IP->TEL	2001	088861158	Unregistered
		2	FXO	8002	0	5				Unregistered
Quick Config	*	3	FXO	8003	0	63				interer.
🚔 VolP	*		EVO	0004		073		1		X
	*	4	FXU	8004	0			Callertal	bliched	
Contrainerer		5	FXO	8005	0	5		Carresta	blished	
(i) Port	*	6	FXO	8006	0	173		0888611	58@192.168.10.6	3
Route	*		17.5					ADD TO	CONTACTS	BAN
	0	7	FXO	8007	0	(III)		0:00:22	-	g/11
	*	8	FXO	8008	0	63		-	-	-
System Tools	*				-	100				
		9	FXS	101	0					



#### 10) PSTN 088861158 made a call to Eyebeam(100).

Create the TEL-IP routing rule, when a call comes in to the gateway on a FXO port, this call will be routed to SIP channel, then the SIP channel will make an outbound call to the 3CX Phone System.

			00				
🖳 Quick Config 🛛 🗧					Tel->IP Routing I	Rule	
VoIP 🛛 🗧	Check	Index	Call Initiator	CallerID Prefix	CalleeID Prefix	Destination IP	De
🔅 Advanced 🛛 😸		63	Port Group 1	*	*	192.168.10.63	
🚺 Port 🛛 🗧					'	'	
Route	Check All 1 Items Total 20	Uncheck All Items/Page 1/	Inverse D	elete Clear All ast Go to Page 1 💌 1 Page	es Total		
Routing Parameters							
IP>Tel							

#### PSTN 088861158 made a call to Eyebeam(100).

Sun Aug 02 2015 22:3	9:56 GI	MT-0700 (Paci	fic Stand	lard Time)							
Operation Info	*										
		Channel State									
System Info	_	Channel	Туре	Number	Voltage(v)	State	Direction	CallerID	CalleeID	Reg Status	Ch
Channel State		1	EXO	8001	6	63		8357	100	Unregistered	
Call Count			170	0001		69	166-21	0337	100	Onregistered	
••• Quick Config	2	2	FXO	8002	0	1	- /			X	
	0	3	FXO	8003	0	5	-4	Call establis	shed		
VolP	*	4	EXO	8004	0	63			0	2/	
원이 Advanced	*		EVO	0005	0	-		8357:Analo	g SMG to 3C	X (8357@192.168	
Port	8	5	FXO	8005	0		-	0:00:22	NTACTS	g711u	
		6	FXO	8006	0	5	-				
Route	*	7	FXO	8007	0	63					
Num Manipulate	*	0	EVO	0000	0	23		کا ک	و حي و	<u>e</u> leelee	
System Tools	*	0	FAU	0000	U	60		XFER HOLI	PARK	A AC DND CONF	<b></b>
		9	FXS	101	0				FLASH REC	REDIAL	
		10	FXS	102	0				1 2 ABC	3 DEF 00	
		11	FXS	200	0				4 5 GHI JKL		
		12	FXS	201	0				7 PRS TUV	9 WXY	
		13	FXS	300	0			MUTE	* 0	BPEAKER PHONE	
		14	FXS	1014	0				Powered by		
		15	FXS	9007	0				COONTERP	AIR	