ALLO Analog Gateway configuration with <u>3CX Phone System</u>



1. 3CX Phone System Configuration

1) Go to VoIP/ PSTN gateways and click Add Gateway.

2	VoIP/PSTN Gateways	
JCX.	👒 Add Gateway Wizard	
3CX Phone System € Ports/Trunks Status	Add PSTN Gateway	
-33 Extension Status @ System Extensions Status -33 3CX MyPhone Clients	Name Brand	Analog_GW 2 Generic 2
Remote Connections Optimize Phones	Model	Gateway Device 🗸 🧭
🥳 Server Activity Log	Description	Custom Generic Gateway Device
≪ Server Event Log Services status ≪ Extensions ≪ VoIP/PSTN Gateways	URL More vendor supported ga	http://www.3cx.com ateways can be found here: <u>http://www.3cx.com/voip-gateways/index.html</u>



 Click Next and enter gateway IP address as below. In this example, the gateway ip address is 192.168.0.68

\mathbf{O}	VoIP/PSTN Gateways		
JCX.	ightarrow Specify VoIP Gateway Details		
3CX Phone System Ports/Trunks Status	-VOIP Gateway		
	Gateway Hostname or IP	192.168.0.68	0
- W System Extensions Status - A SEX MuPhone Clients	Gateway Port (default is 5060)	5060	0
Remote Connections	Number of ports	1	0
🥨 Phones 😪 Server Activity Log	Туре	Analog	▼ ②
🥳 Server Event Log	Number of channels per port	1	0
🐴 Services status			
 Extensions 			

- Click Next and it will generate the following parameters The "Create Lines" page allows you to configure each channel's parameters, namely:
 - a. Virtual Extension Number
 - b. Authentication ID
 - c. Authentication Password
 - d. Number of simultaneous calls that the channel can handle
 - e. The Port Identification (External Number) of the channel

f. The destination of calls that are received by the channel – These values are prepopulated, but may be changed at this point. The configuration file will be generated using the parameters supplied in this page.

2	VoIP/PSTN Gate	ways						
	😡 Create ports							
3CX Phone System Ports/Trunks Status Status Extension Status System Extensions Status	The following ports wil identification purposes should be different froi route).	l be created in the "Cr , and the internal line r n the extension numbe	eate Ports''screen. Yoi humber is used by 3CX er range. You can confi	u can edit the Port identification Phone System to address the I gure to which extension incom	n and authentic ine connected ng calls should	ation settings before they a to the port on the VOIP Ga be routed based on whet	are created. Note that the ateway. Therefore the Inte her they are inside or outsi	Port i ernal L ide off
	Remove selected	Virtual extension	Authentication ID	Authentication Password	Channels	Port Identification	Inbound Route Day	In
- 20 Phones Server Activity Log		10005	10005	b9stuxq	1	10005	100	v 10
Server Event Log Services status Question Services status Question Services Services								< Bac



4) Click next and it will prompt you to create outbound rules.

In this example we have given "9" as a prefix.

OCV	VoIP/PSTN Gat	eways					
JUX	🚸 Create an Outb	ound Call Rule	e to configure on which PSTM	l port, VOIP provider or br	idge an outbound calls shou	ild be placed on	
3CX Phone System	General						
Ports/Trunks Status	Rule Name			Bule for An	alog GW	0	
					sog_an		
3CX MyPhone Clients	Apply this rule to th	ese calls					
- 🗐 Remote Connections	Define to which ou	tbound calls th	ne rule must apply				
- W Phones							
Server Activity Log	Calls to numbe	Calls to numbers starting with prefix				0	
Services status	Calls from exter	Calls from extension(s)					
	C.I N						
S VolP/PSTN Gateways	Laiis to Numbe	ers with a lengi	in or			0	
	Calls from exte	nsion group				Select	
🕬 🍨 Inbound Rules							
- 🐳 Bridges	Make outbound ca	lls on					
🛛 🍼 OutBound Rules	Configure up to 2 r	outos for collo	The encored and third route	will be used as backup. Es	r abah rauta, digita aba ha a	tripped or added	
Digital Receptionist	Conligue up to 3 h	Jules for calls.	The second and third todde	will be used as backup. I c	i each toule, uigils can be s	inpped of added.	
Call Queues					Strip Digits	Prepend	
	Route	1	Analog GW	~	1 🗸		
Settings	Boute	2					
- 0 3CX Phone System Updates	Tiouco	2		*	· · · ·		
🛛 🏯 Links	Route	3		*	1 🗸		
🛛 🏹 Help	L						

5) Go to VoIP/PSTN gateways and Select and Edit the gateway

VoIP/PSTN Ga	teways	
👒 Add Gateway	谙 Edit Gateway 🛛 💢 Delete Gat	eway 🖒 Refresh Registration
Gateway Name	Host / IP Address	Туре
Analog_GW	192.168.0.68	Analog

6) Click on Edit gateway and Go to Inbound parameters

Edit	t Gateway							
S) E	Edit Gateway sett	ings and click OK or Apply	to save chang	es.				
Gen	ieneral Advanced Outbound Parameters Inbound Parameters DID							
6	Call Source Iden	tification						
	The source of in	coming calls must be identi	ied. Configure	how 3CX Pho	ine Syster	n should ident	tify calls from this gate	way.
	Match All Fields 🗸							
		SIP Field				Variable		Custom Value
[Contact : Host P	art	💙 C	ustom IP Rar	ge		*	192.168.0.68
1	Add/U	odate De	lete	Clear 9	election			
[SIP Field			Variabl	в			Custom Value
L								



Click Add/Update.

Edit Gateway		
Edit Gateway settings and click OK or Apply to save cha	inges.	
General Advanced Outbound Parameters Inbound P	arameters DID	
Call Source Identification The source of incoming calls must be identified. Configu	rre how 3CX Phone System should identify calls from this g	jateway.
Matching Strategy	Match All Fields 🗸 🗸	
SIP Field	Variable	Custom Value
Contact : Host Part	Custom IP Range	▶ 192.168.0.68
Add/Update Delete	Clear Selection	
SIP Field	Variable	Custom Value
Contact : Host Part	Custom IP Range	192.168.0.68

Click Apply and OK.

7) Click finish and Go to Port/Trunks Status

	Ports/Trunks Status							
	💥 Disconnect Call							
SCX Phone System	Status	Virtual Extension Number	Туре	Name	IN/OUT	Caller ID	Dest	
Ports/Trunks Status Extension Status	Not Registered	10005	Gateway	Analog_GW				

8) Double click on the 10005 and note down the username and password details, which need to be configured in Analog gateway as a SIP trunk.



2. ALLO Analog Gateway configuration

1) Open GUI of the analog gateway and Go to Trunks (Analog&SIP) and Click on VOIP Trunks and Create New SIP trunk.

Create New SIP trunk	х
Туре:	
Context Naming 🕕: Based on Username 🛛 💌	
Provider Name 🛈:	
Hostname 🛈:	
Hostport ①:	
Username 🛈:	
Password :	
DID Routing : 🔲	
Registration : 🔲	
Scancel E Save	

 Select Type SIP and enter all the details as shown below. In this example, the IP address of 3CX IPPBX is 192.168.0.104

Create New SIP trunk	X
Type: SIP 💙	
Context Naming 🕕 : Based on Username 🛛 💌	
Provider Name 🛈: 3CX	
Hostname ①: 192.168.0.104	
Hostport ①: 5060	
Usemame 🛈: 10005	
Password :	
DID Routing :	
Registration : 🔽	
Save 🗎 Save	

If you want DID routing, you can check the Box. All the calls are coming inside the gateway through this 3CX trunk will go to DID routing table.

- 3) Click SAVE and APPLY CHANGES. You can see the registered Status in the System Status page.
- 4) Create Outgoing Calling Rule for the gateway to reach the 3CX PBX and add it to Dial Plan.



Edit Calling Rule	х
Calling Rule Name 🛈 : OUT	
Pattern ①:9X.	
Caller ID①:	
🔽 🗖 Send to Local Destination 🕕 ———————————————————————————————————	ī
Destination :	
Send this call through trunk:	ī
Use Trunk 🛈 3CX 💌	
Strip 🛈 1 digits from front	
and Prepend these digits 🛈 👘 before dialing	
using this filter: ①	
Use FailOver Trunk ① :	ī
fail over Trunk 🛈 🔛	
Strip 🕕 digits from front	
and Prepend these digits 🛈 👘 before dialing	
using this filter: ①	
Scancel Save	1

Edit DialPlan	x
DialPlan Name: Dia	ilPlan1
Include Local Contexts: 🔽 🕻	lefault 🗹 sayip
Include Outgoing Calling Rules: 🗹 🤇	тис
⊗ Cancel	E Save

5) Creating Incoming Calling Rules in Analog gateway. Go to Incoming calling rules and Create New incoming Calling Rule

New Incoming Rule	x
Trunk : 3CX 💌	
Time Interval : None (no Time Interva	als matched) 💌
Pattern 🛈 : 🛛 X.	
Destination : User Extension 100	00 🐱
Scancel 💾 Update	

Click Update and Apply Changes. All the calls are coming from 3CX PBX to gateway will land on extension 1000.