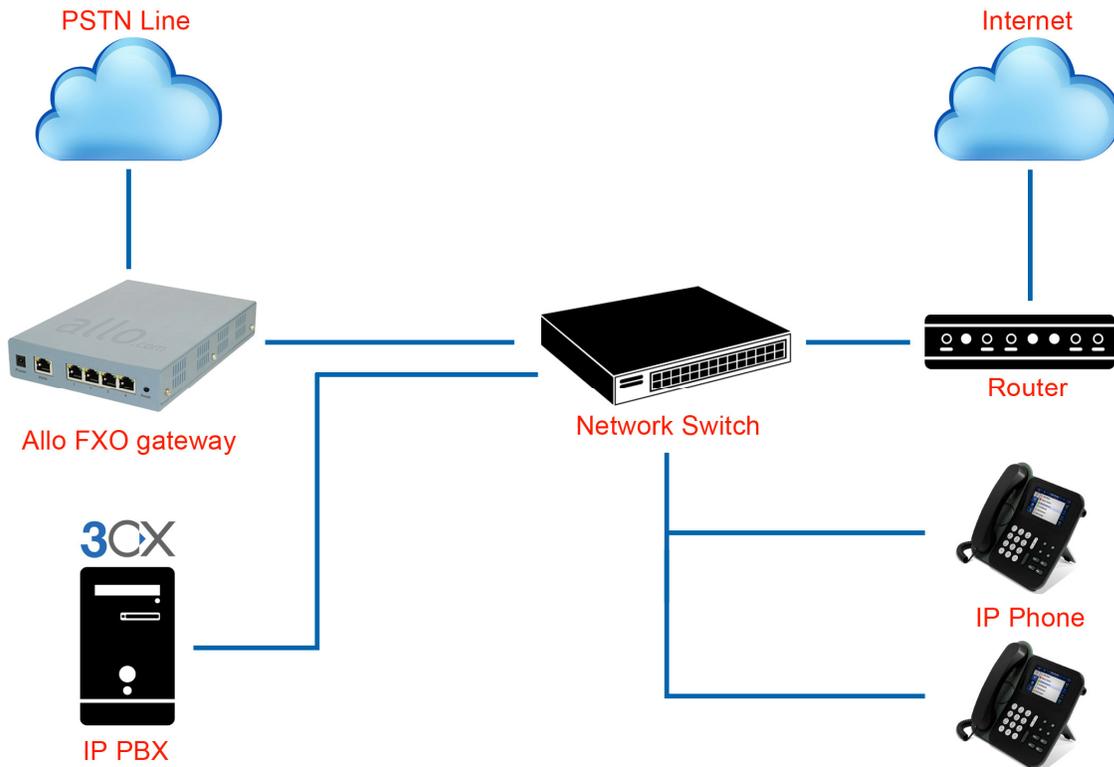


ALLO Analog Gateway configuration with 3CX Phone System



1. 3CX Phone System Configuration

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



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



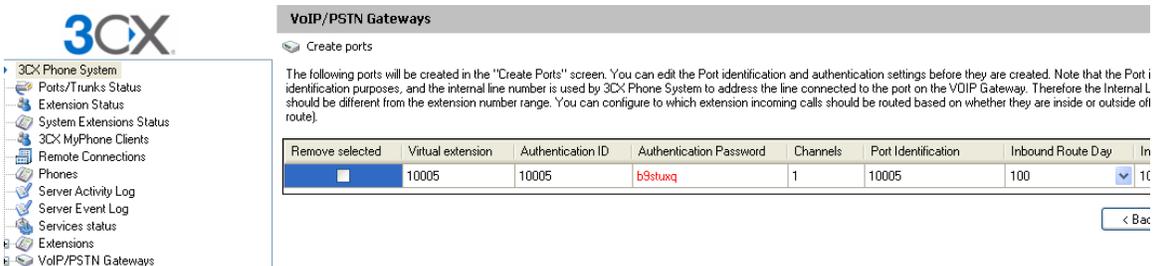
VoIP/PSTN Gateways

Specify VoIP Gateway Details

VOIP Gateway

Gateway Hostname or IP	<input type="text" value="192.168.0.68"/>	?
Gateway Port (default is 5060)	<input type="text" value="5060"/>	?
Number of ports	<input type="text" value="1"/>	?
Type	<input type="text" value="Analog"/>	?
Number of channels per port	<input type="text" value="1"/>	?

- 3) 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 pre-populated, but may be changed at this point. The configuration file will be generated using the parameters supplied in this page.



VoIP/PSTN Gateways

Create ports

The following ports will be created in the “Create Ports” screen. You can edit the Port identification and authentication settings before they are created. Note that the Port identification purposes, and the internal line number is used by 3CX Phone System to address the line connected to the port on the VOIP Gateway. Therefore the Internal L should be different from the extension number range. You can configure to which extension incoming calls should be routed based on whether they are inside or outside of route).

Remove selected	Virtual extension	Authentication ID	Authentication Password	Channels	Port Identification	Inbound Route Day	In
<input type="checkbox"/>	10005	10005	b9stuxq	1	10005	100	10

[< Bac](#)

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

In this example we have given “9” as a prefix.

VoIP/PSTN Gateways

Create an Outbound Call Rule to configure on which PSTN port, VOIP provider or bridge an outbound calls should be placed on

General

Rule Name: Rule for Analog_GW

Apply this rule to these calls

Define to which outbound calls the rule must apply

Calls to numbers starting with prefix: 9

Calls from extension(s):

Calls to Numbers with a length of:

Calls from extension group: ...

Make outbound calls on

Configure up to 3 routes for calls. The second and third route will be used as backup. For each route, digits can be stripped or added.

Route		Strip Digits	Prepend
Route 1	Analog_GW	1	
Route 2		1	
Route 3		1	

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

VoIP/PSTN Gateways

Add Gateway Edit Gateway Delete Gateway Refresh Registration

Gateway Name	Host / IP Address	Type
Analog_GW	192.168.0.68	Analog

6) Click on Edit gateway and Go to Inbound parameters

Edit Gateway

Edit Gateway settings and click OK or Apply to save changes.

General Advanced Outbound Parameters **Inbound Parameters** DID

Call Source Identification

The source of incoming calls must be identified. Configure how 3CX Phone System should identify calls from this gateway.

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
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Click Add/Update.

Edit Gateway

Edit Gateway settings and click OK or Apply to save changes.

General | Advanced | Outbound Parameters | **Inbound Parameters** | DID

Call Source Identification

The source of incoming calls must be identified. Configure how 3CX Phone System should identify calls from this gateway.

Matching Strategy: Match All Fields

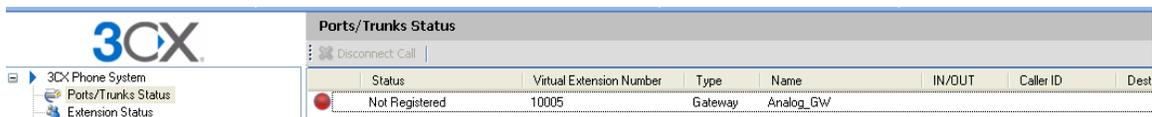
SIP Field	Variable	Custom Value
Contact : Host Part	Custom IP Range	192.168.0.68

Buttons: 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

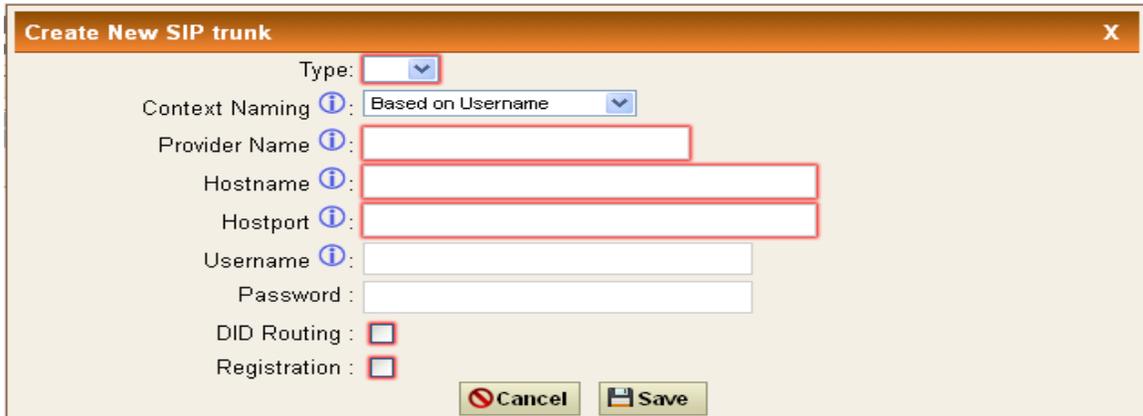
Disconnect Call

Status	Virtual Extension Number	Type	Name	IN/OUT	Caller ID	Dest
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 [X]

Type:

Context Naming ⓘ:

Provider Name ⓘ:

Hostname ⓘ:

Hostport ⓘ:

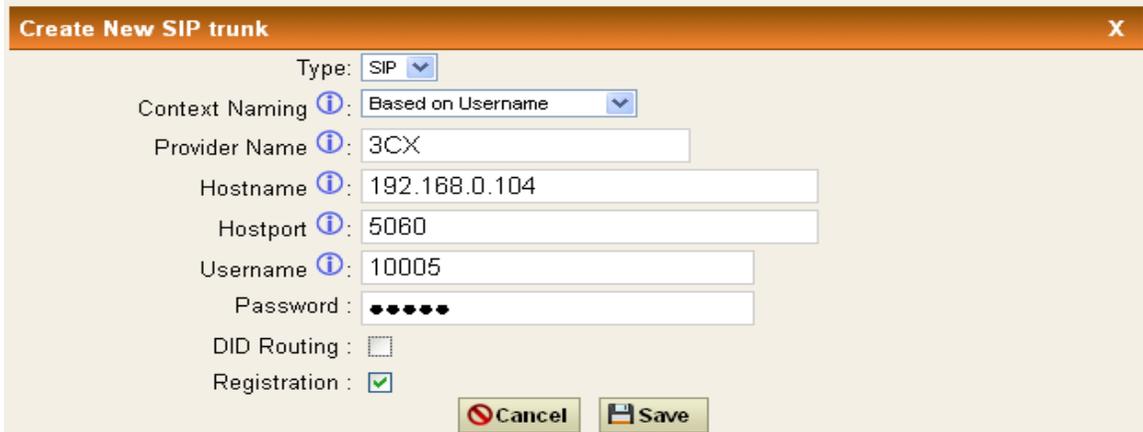
Username ⓘ:

Password:

DID Routing:

Registration:

- 2) 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:

Context Naming ⓘ:

Provider Name ⓘ:

Hostname ⓘ:

Hostport ⓘ:

Username ⓘ:

Password:

DID Routing:

Registration:

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 [X]

Calling Rule Name ⓘ :

Pattern ⓘ :

Caller ID ⓘ :

Send to Local Destination ⓘ

Destination :

Send this call through trunk:

Use Trunk ⓘ

Strip ⓘ digits from front

and Prepend these digits ⓘ before dialing

using this filter: ⓘ

Use FailOver Trunk ⓘ :

fail over Trunk ⓘ

Strip ⓘ digits from front

and Prepend these digits ⓘ before dialing

using this filter: ⓘ

Edit DialPlan [X]

DialPlan Name:

Include Local Contexts: default sayip

Include Outgoing Calling Rules: OUT

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

New Incoming Rule [X]

Trunk :

Time Interval :

Pattern ⓘ :

Destination :

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