

How to configure ZycooCooVox IPPBX for DIDforSale SIP Trunks

I Outbound

1. Create a VoIP trunk for outbound calls

Navigate to CooVox IPPBX web menu: *Baisc->Trunks*

Click "New VoIP Trunk" button to create a VoIP trunk for outbound DIDforSale server.

Edit SIP trunk trunk_2 X

Description: DID4Sale

Peer Mode:

Host: 209.216.2.212 :5060

Maximum Channels*: 0

Prefix: _____

Outbound CID: 14079712951

Without Authentication

Advanced Options

Fromdomain: 209.216.2.212 Insecure: very

Fromuser: _____ Qualify(sec): 2

DID Number: _____ Transport: UDP ▼

DTMF Mode: RFC2833 ▼ NAT: SRTP:

Auto Fax Detection:

Context: Default ▼ Language: Default ▼

Audio Codecs

ulaw alaw G.722 G.729 G.726 GSM Speex

Video Codes

H.261 H.263 H.263+ H.264

In this case DIDforSale authenticates the subscription using IP address, so we can tick "Without Authentication" option for this trunk. If username and password authentication needed, then do not enable this option and fill in the username and password below.

In Advanced Options section, Insecure was "port,invite", please change it to "very". And audio codecs please enable ulaw only.

2. Check trunk status

Navigate to web menu: *Operator*

On this page you can check the trunk status:

VoIP Trunks					
Status	Trunk Name	Type	Username	Hostname/IP/Port	Reachability
OK (225 ms)	DID4Sale	SP-SIP		209.216.2.212:5060	OK (225 ms)

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If you get both Status and Reachability as green and OK, then you can continue to configure dial rule and dial plan for outbound phone calls through this trunk. If not, then please check the trunk configurations and verify the parameters given by DIDforSale.

3. Dial Rule

Navigate to web menu: *Basic->Outbound Routes->DialRules*

Click "New Dial Rule" to define a dial rule for making outbound calls through DIDforSale VoIP trunk.

New DialRule X

Rule Name: call_DID4Sale

PIN Set:

Call Duration Limit: _____ seconds

Time Rule:

Place this call through:

Available Trunks: FXO1(FXO/GSM)

Selected Trunks: DID4Sale(SIP)

Custom Pattern: 4XX.

Z Any digit from 1 to 9
N Any digit from 2 to 9
X Any digit from 0 to 9
. Any number of additional digits

Delete 1 digits prefix from the front and auto-add digit _____ before dialing

Save Cancel

Make sure the VoIP trunk is in the Selected Trunks field, and define you custom pattern, for example "4XX.", which means if you want to make outbound calls through the DIDforSale trunk then you need to dial the numbers with prefix 4. For example, if you want to dial 1234567, then you need to dial 41234567. And at the bottom there's a line "Delete _____ digits from.....", here you need to strip the one digit prefix before send this number out, so you fill 1 here. If you use 2 digits prefix then fill 2 here.

4. Dial Plan

To activate this dial rule and let the users be able to make phone calls through this VoIP trunk, you need to enable the dial rule for the dial plan/dial plans.

Navigagte to web menu: *Basic->Outbound Routes->DialPlans*

Click Edit button of the existing dial plan:

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Edit X

DialPlan Name: DialPlan1

Include External Calling Rules

- Outbound
- Call_DID4Sale

Include Internal Calling Rules

- Ring Groups
- Call Queues
- Paging and Intercom
- IVR
- Conferences
- Extensions
- DISA
- Directory
- Spy

Save Cancel

Tick the new dial rule just added then the extension users will be able to make outbound calls through DIDforSale trunk.

If you want some of the users be able to make outbound calls through this trunk, then please click "New DialPlan" to create a new dial plan, and in this dial plan you enable this dial rule. Then navigate to web menu: *Basic->Extensions*, edit the extension preferences and select the new dial plan for the extensions.

Edit X

General

SIP: IAX2:

Name: 401 Extension: 401

Password: 123456 Outbound CID:

DialPlan: **DialPlan1** Analog Phone: None

Voicemail

Enable: Password: 1234

Delete VMail: Email(Fax/Voicemail): test@test.com

II Inbound

1. Add new trunks

DIDforSale requires 2 extra trunks for fully redundant infrastructure, multiple Trunks are used for Load Balancing and Fail-over.

Navigate to CooVox IPPBX web menu: *Baisc->Trunks*

Add 2 trunks the same way:

New VoIP Trunk X

Description:

Protocol:

Peer Mode:

Host: :5060

Maximum Channels*:

Prefix:

Outbound CID:

Without Authentication

Advanced Options

Fromdomain: Insecure:

Fromuser: Qualify(sec):

DID Number: Transport:

DTMF Mode: NAT: SRTP:

Auto Fax Detection:

Context: Language:

Audio Codecs

ulaw alaw G.722 G.729 G.726 GSM Speex

Video Codes

H.261 H.263 H.263+ H.264

New VoIP Trunk X

Description: DID4Sale_In2

Protocol: SIP ▼

Peer Mode:

Host: 209.216.15.70 :5060

Maximum Channels*: 0

Prefix: _____

Outbound CID: _____

Without Authentication

Advanced Options

Fromdomain: 209.216.15.70 Insecure: very

Fromuser: _____ Qualify(sec): 2

DID Number: _____ Transport: UDP ▼

DTMF Mode: RFC2833 ▼ NAT: SRTP:

Auto Fax Detection:

Context: Default ▼ Language: Default ▼

Audio Codescs

ulaw alaw G.722 G.729 G.726 GSM Speex

Video Codes

H.261 H.263 H.263+ H.264

These 2 trunks are for inbound so Outbound CID field can be left blank.

2. Configure Inbound Control

Navigate to CooVox IPPBX web menu: *Inbound Control->Inbound Routes*

Below General tab configure General inbound route for VoIP channels:

From VoIP Channels

Distinctive Ring Tone: _____

Destination: Goto IVR ▼ office-hours ▼

3. Number DIDs

If you want the inbound calls calling in from different DID numbers been handled separately, then you can configure number DIDs. Click the Number DIDs tab and click New Number DID button to configure:

Number DIDs

General Port DIDs **Number DIDs** DOD Settings

List of **New Number DID** X

DID Number: _____ Label: _____

Destination: Goto Extension ▼ 801(801) ▼

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Fill in the DID number in DID Number field and select a destination for this DID number then if someone calls this number, the call will go directly to the destinations you configured. For other calls will still go to the destination configured in General tab.

4. Activation

Click the notice "**Settings changed! Please Click on Activate Changes to make modifications effect!**" on the top of the web page to activate those configurations. Then you'll be able to make outbound and inbound calls through DIDforSale VoIP trunks.