

Configuration 3CX - version 15

Basic trunk features

Item	Specification	Notes
Protocol	SIP/UDP	SIP over UDP, TCP is not supported
Standards	RFC2833 RFC3261 RFC3264 RFC3325 RFC3326 RFC4566	
Methods	ACK, BYE, INVITE, OPTIONS, REGISTER	Only these methods can be used.
CODECS	g711a, g711u	
DTMF	RFC2833	
Authenticatie	SIP DIGEST	SIP REGISTER with DIGEST authentication
Call Authorization	SIP DIGEST	SIP INVITE with DIGEST authorization
Number format	E164+	All SIP headers sent or received by Kwebbl, inclusive Request URI, FROM and TO, should be in E164+ format. For example: +31201234567
Caller ID	P-Asserted-Identity	CallerID should always be included in the P-Asserted-Identity header.
Anonymous Caller ID	Privacy	Anonymous calls is only possible with the Privacy header. Include in the header [Privacy : id] for anonymous calls. Please note that the P-Asserted-Identity header should contain the CallerID.
Keepalive	OPTIONS	OPTIONS package needs to be answered with [200 OK] from the PBX.

Register 3cx SIP Trunk

Navigate in the 3CX web interface to SIP Trunks and click on Add SIP Trunk.

Add SIP Trunk/VoIP Provider ✕

Select Country

Generic

Select Provider in your Country

Generic VoIP Provider

Main Trunk No

phone number

OK

Cancel

General DIDs Caller ID Options Inbound Parameters Outbound Parameters

Trunk Details

Enter name for Trunk

Name

Registrar/Server/Gateway Hostname or IP

1.trunk.sip.kwebbl.net 5060

Outbound Proxy

1.trunk.sip.kwebbl.net 5060

Number of SIM Calls

10

Authentication

Type of Authentication

Register/Account based

Authentication ID (aka SIP User ID)

hqyjby9q8bu

Authentication Password

.....

3 Way Authentication

Route calls to

Main Trunk No

31132045025

Destination for calls during office hours

Extension

000 User 1

Destination for calls outside office hours

Extension

000 User 1

Set up Specific Office Hours for this trunk

Play holiday prompt when it's a global holiday

General DIDs Caller ID **Options** Inbound Parameters Outbound Parameters

Call options

- Allow inbound calls
- Allow outbound calls
- Disallow video calls

Advanced

- PBX Delivers Audio
- Supports Re-Invite
- Support Replaces
- Put Public IP in SIP VIA Header
- SRTP

Re-Register Timeout

Select which IP to use in 'Contact' (SIP) and 'Connection'(SDP) fields

General DIDs Caller ID Options Inbound Parameters **Outbound Parameters**

Outbound Parameters

Assign SIP header fields to 3CX Call Variables. Requires advanced SIP knowledge. Misconfiguration will cause your PBX to malfunction

SIP Field	Variable	Custom Value
Request Line URI : User Part	"CalledNum" number that has been dialed (default: To->user)	
Request Line URI : Host Part	"GWHostPort" gateway/provider host/port	
Contact : User Part	"AuthID" authentication	
Contact : Host Part	Leave default value	

From : Display Name	"LineNumber" external number of line
From : User Part	"LineNumber" external number of line
From : Host Part	"GWHostPort" gateway/provider host/port
User Agent : Text String	Leave default value
Remote Party ID - Called Party : Display Name	Leave default value
Remote Party ID - Called Party : User Part	Leave default value
Remote Party ID - Called Party : Host Part	Leave default value
Remote Party ID - Calling Party : Display Name	Leave default value
Remote Party ID - Calling Party : User Part	Leave default value
Remote Party ID - Calling Party : Host Part	Leave default value
P-Asserted Identity : Display Name	Leave default value
P-Asserted Identity : User Part	"OutboundCallerid" Outbound caller Id taken f
P-Asserted Identity : Host Part	"GWHostPort" gateway/provider host/port
P-Preferred Identity : Display Name	Leave default value
P-Preferred Identity : User Part	Leave default value
P-Preferred Identity : Host Part	Leave default value
P-Called-Party-ID : Display Name	Leave default value
P-Called-Party-ID : User Part	Leave default value
P-Called-Party-ID : Host Part	Leave default value

Outbound rules

General

Rule Name

Apply this rule to these calls

Calls to numbers starting with prefix

Calls from extension(s)

Calls to Numbers with a length of

Calls from extension group(s)

DEFAULT

Make outbound calls on

Configure up to 5 routes for calls. The second, third, fourth and fifth route will be used as backup. For each route, digits can be stripped or added.

Route			Strip Digits	Prepend
Route	1	<input type="text" value="Routename"/>	<input type="text" value="1"/>	<input type="text" value="+31"/>
Route	2	<input type="text" value="BLOCK CALLS"/>	<input type="text" value="0"/>	<input type="text"/>
Route	3	<input type="text" value="BLOCK CALLS"/>	<input type="text" value="0"/>	<input type="text"/>
Route	4	<input type="text" value="BLOCK CALLS"/>	<input type="text" value="0"/>	<input type="text"/>
Route	5	<input type="text" value="BLOCK CALLS"/>	<input type="text" value="0"/>	<input type="text"/>