

OpenScape Business V2

How To Configure SIP Trunk for ITSP Vodafone Ziggo Integratie Partner Network

Table of Contents

Configuration Data	3
Configuration Wizard	4
Internet Telephony.....	4
Internet Telephony configuration	7
Define bandwidth (# Trunks).....	10
Special phone numbers	10
Configuration in Expert mode	12
Voice Gateway Codecs	12

Table of History

Date	Version	Changes
2018-07-09	1.0	First version for Vodafone Ziggo

Configuration Data

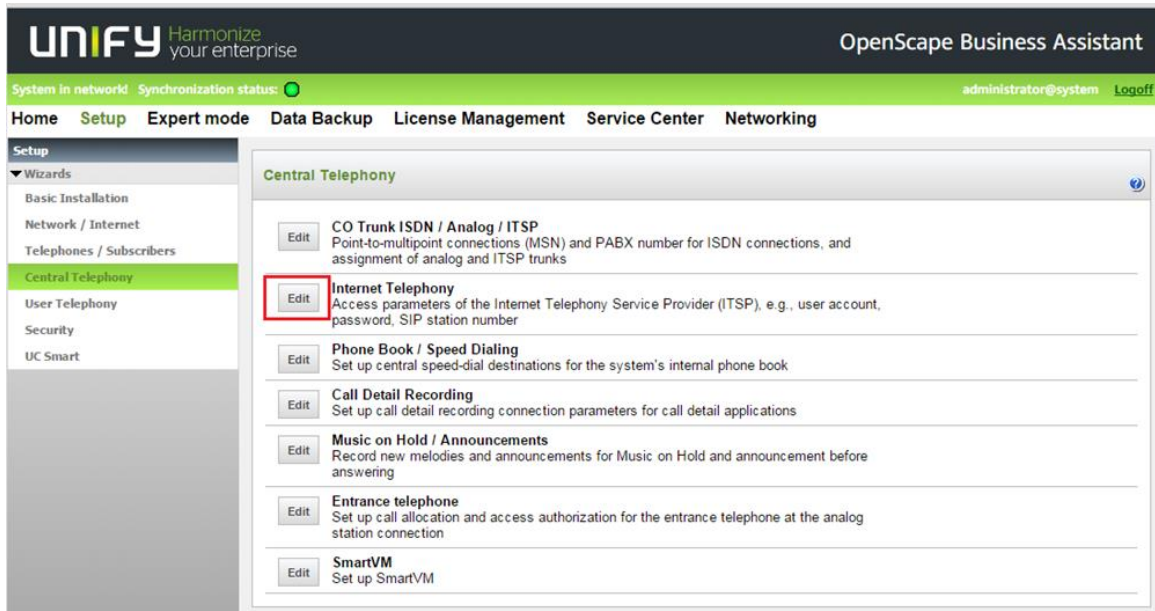
Information from ITSP Vodafone Ziggo Integratie Partner Network provided:

Name	Example
Call Number:	(085) 0477557.....0477559
Account ID:	31850477557
Password:	e.g. : Tg6%43
Number of voice-channels:	2

Configuration Wizard

Internet Telephony

Go to „Central Telephony – Internet Telephony“



The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.

Setup - Wizards - Central Telephony - Internet Telephony

Overview

Note: changes done in expert mode must be reviewed/repeated after running through the wizard.
 Note: At least the configuration of the 'Country code' is needed for features such as 'Internet telephony' and 'MeetMe conference'.

PABX number

Country code: 31 (mandatory)

Local area code: (optional)

PABX number: (optional)

Help Abort Back OK & Next

In this case, remaining digits are filled in DID field.

Click [OK & Next]

Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck
Use County specific view : Netherlands and select Vodafone Ziggo Integratie Partner Network.

Setup - Wizards - Central Telephony - Internet Telephony

Provider configuration and activation for Internet Telephony

No call via Internet: ☐

Country specific view:

Note: changes done in expert mode must be reviewed/repeated after running through the wizard.

	Activate Provider	Internet Telephony Service Provider
Add		Other Provider
Edit	<input type="checkbox"/>	BCOM
Edit	<input checked="" type="checkbox"/>	Vodafone Ziggo Integratie Partner Network
Edit	<input type="checkbox"/>	Voiceworks
Edit	<input type="checkbox"/>	VoiceworksMEX
Edit	<input type="checkbox"/>	VoIPXS
Edit	<input type="checkbox"/>	X2COM
Edit	<input type="checkbox"/>	Ziggo

Help Abort Back OK & Next Display Status

Activate Provider and click on [Edit].

The following settings are shown. They should not be changed.

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Service Provider

Provider Name: Vodafone Ziggo Integratie Partner Network

Enable Provider: ☒

Secure Trunk: ☐

Domain Name:

Provider Registrar

Use Registrar: ☒

IP Address / Host name:

Port:

Reregistration Interval at Provider (sec)

Provider Proxy

IP Address / Host name:

Port:

Provider Outbound Proxy

Use Outbound Proxy: ☐

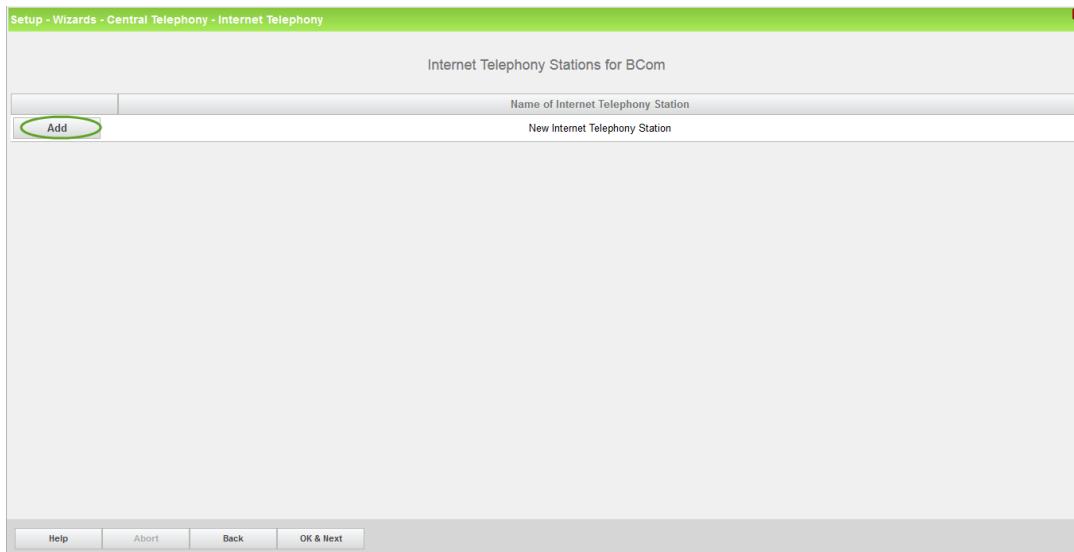
IP Address / Host name:

Port:

Help Abort Back OK & Next Delete Data

Internet Telephony configuration

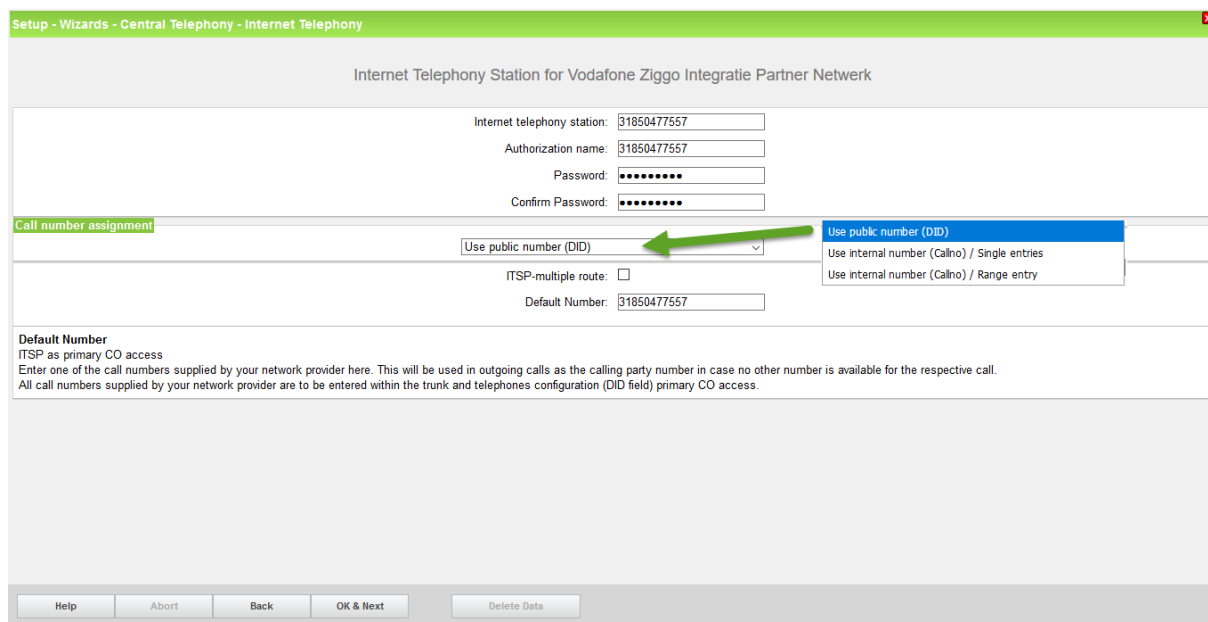
In this dialog the specific customer SIP Userdata will be configured.



Click on [Add].

Data provided by ITSP Vodafone Ziggo Integratie Partner Network is inserted here.

Internet telephony station:	Account ID is inserted here.
Authorization name:	Account ID is inserted here.
Password:	Password provided is entered here.
Call number assignment:	select “Use public number (DID)”. This is the easiest and preferred way to define the phone numbers in the system. Phone numbers are treated as a normal DID number in the system as if it was normal ISDN.
ITSP multiple route:	Has to be used in case more than one account of the same provider (in this case Vodafone Ziggo Integratie Partner Network) has to be configured on the same system. When this flag is activated you will be able to define extra accounts.
Default number:	Main number of connection. The default number is used as outgoing number when no DDI number is assigned to a station. (number must be in implicitly international format)



Click [OK & Next].

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Stations for Vodafone Ziggo Integratie Partner Network

	Name of Internet Telephony Station
Edit	31850477557

Help Abort Back OK & Next

Click [OK & Next].

Setup - Wizards - Central Telephony - Internet Telephony

Call Number Assignment for Vodafone Ziggo Integratie Partner Network

Name of Internet Telephony Station	Internet Telephony Phone Number	Direct inward dialing	Use as PABX number for outgoing calls
In order to complete the configuration please verify that the relevant user DIDs are set in stations.(Telephones / Subscribers configuration)			

Help Abort Back OK & Next

Click [OK & Next] (no input needed)

Define bandwidth (# Trunks)

In the next part the number of simultaneous calls via the SIP trunk will be defined. The calculation of the number of trunks is done by the wizard automatically depending on the bandwidth. For each 128K, one trunk is created. The number can also be defined manually.

Setup - Wizards - Central Telephony - Internet Telephony

Settings for Internet Telephony

Simultaneous Internet Calls

Available Lines for ITSP: 186

Please enter in field 'Upstream up to (Kbit/sec)' the Upstream of your Internet connection communicated by your Provider. You have typed in **Upstream up to (Kbps) = 256**

In the 'Change Feature -> Internet Telephony' Assistant. This upstream allows you to conduct up to 2 Internet phone calls simultaneously. If the call quality deteriorates due to the network load, you will need to reduce this number of simultaneous calls.

The number of simultaneous Internet Calls also depends on the licensing.

Upstream up to (Kbps):

Number of Simultaneous Internet Calls:

Line assignment

Internet Telephony Service Provider	Configured Lines	Assigned Lines
Vodafone Ziggo Integratie Partner Network	2	<input type="text" value="2"/>

Help Abort Back OK & Next

Click [OK & Next]

Special phone numbers

In this dialog it is possible to route special phone numbers. When special phone numbers are not supported over the ITSP route it is possible to change this here.

Setup - Wizards - Central Telephony - Internet Telephony

Special phone numbers

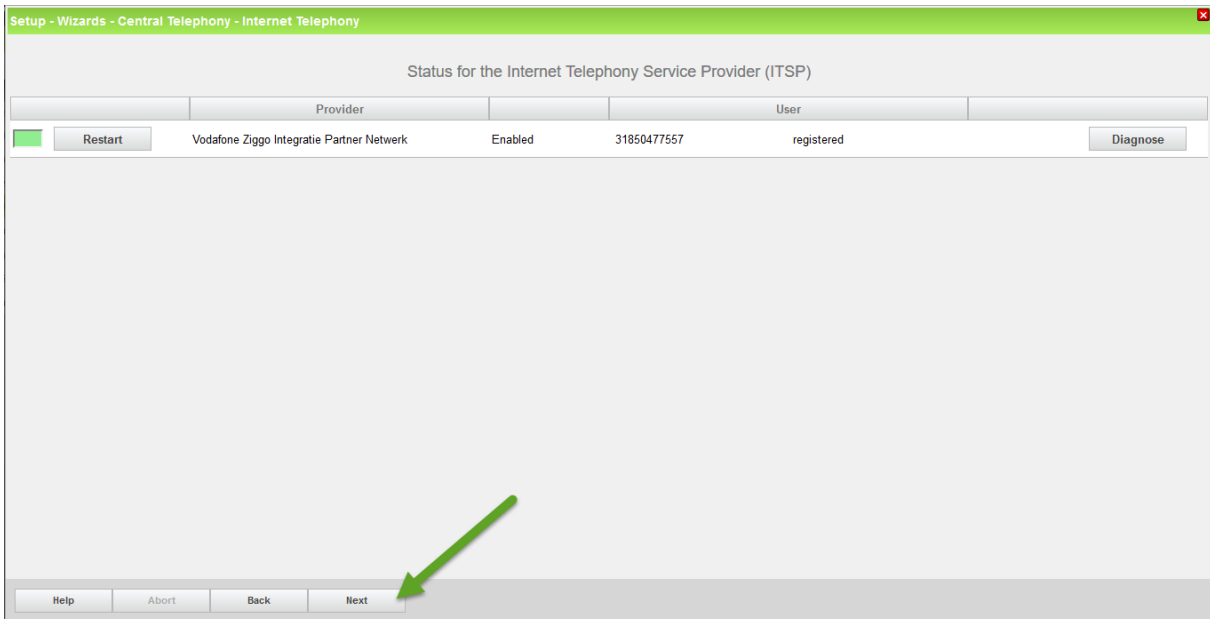
Note:

Please make sure that all special call numbers are supported by the selected provider without fail.

Special phone number	Dialed digits	Dial over Provider
1	0C112	Vodafone Ziggo Integratie Partner Network
2		Vodafone Ziggo Integratie Partner Network
3		Vodafone Ziggo Integratie Partner Network
4		Vodafone Ziggo Integratie Partner Network
5		Vodafone Ziggo Integratie Partner Network
6		Vodafone Ziggo Integratie Partner Network
7		Vodafone Ziggo Integratie Partner Network
8		Vodafone Ziggo Integratie Partner Network
9		Vodafone Ziggo Integratie Partner Network
10		Vodafone Ziggo Integratie Partner Network
11		Vodafone Ziggo Integratie Partner Network
12		Vodafone Ziggo Integratie Partner Network
13		Vodafone Ziggo Integratie Partner Network
14		Vodafone Ziggo Integratie Partner Network
15		Vodafone Ziggo Integratie Partner Network

Help Abort Back OK & Next

Click OK & Next and the ITSP status will be displayed



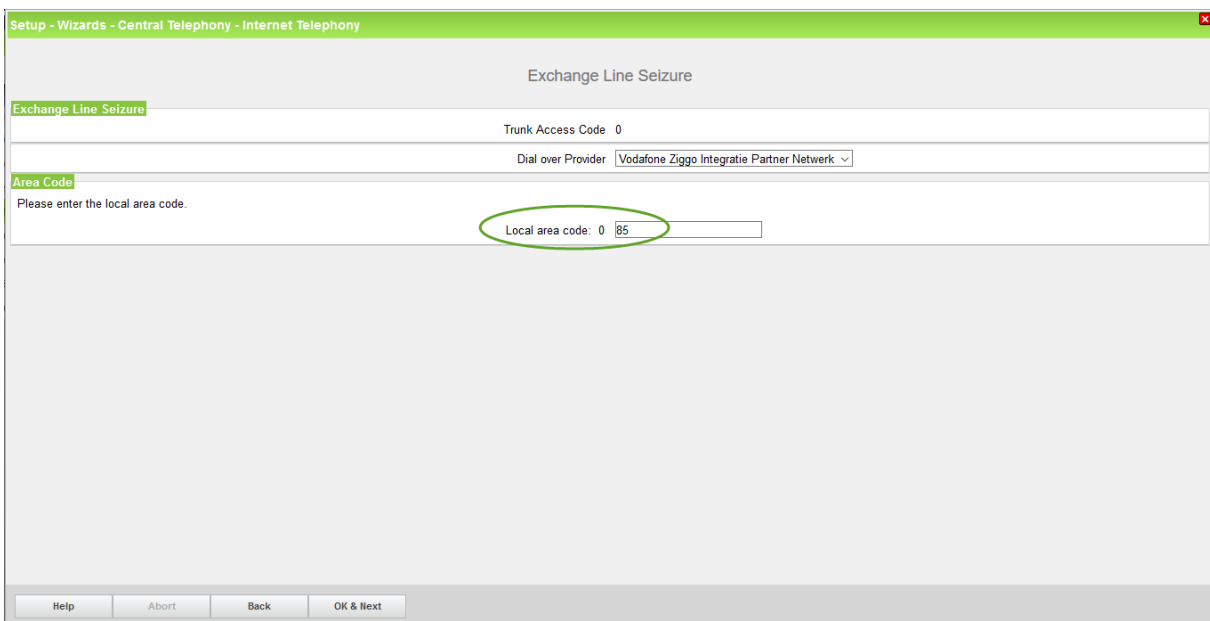
Provider	Enabled	User
Vodafone Ziggo Integratie Partner Network	Enabled	31850477557 registered

Buttons: Restart, Diagnose, Help, Abort, Back, Next

In case status LED is orange there is something wrong in the previous configuration.

After this status page the dialog with „Exchange Line Seizure“ is displayed.

Here you need to configure your own local area code. This is needed to make external calls without the area code. The LCR will be adapted accordingly.



Exchange Line Seizure

Trunk Access Code: 0

Dial over Provider: Vodafone Ziggo Integratie Partner Network

Area Code

Please enter the local area code.

Local area code: 0 85

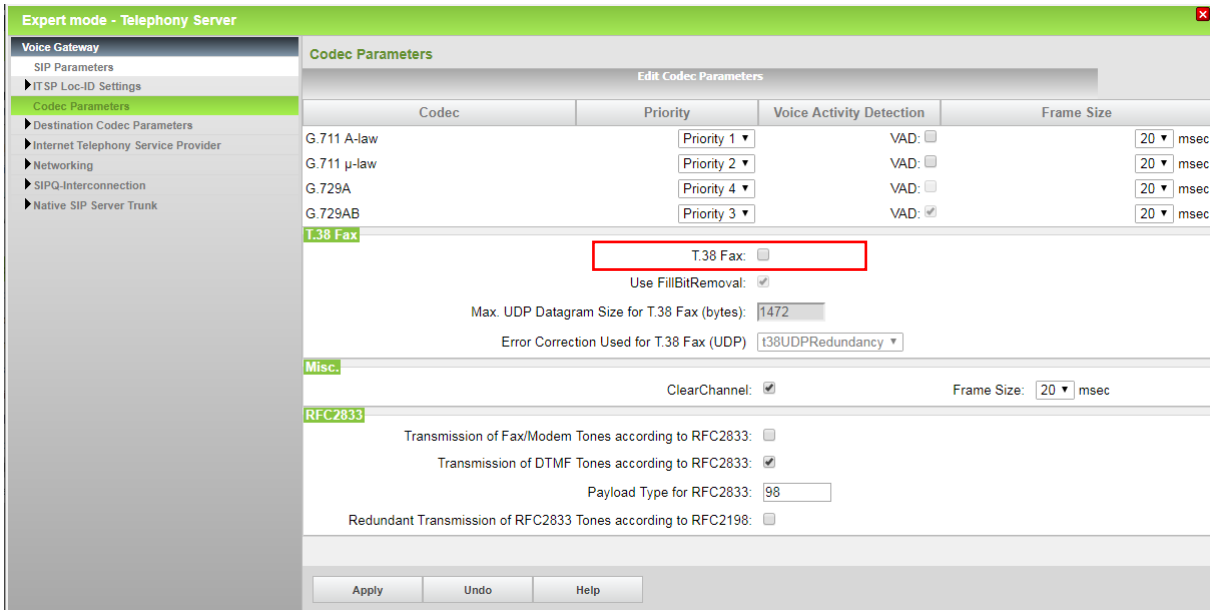
Buttons: Help, Abort, Back, OK & Next

Configuration in Expert mode

Voice Gateway Codecs

Please note that our tests have shown that fax transmission using the T.38 protocol was not successful. The T.38 Fax flag should be disabled.

Using the path Expert > Voice Gateway > Codec Parameters uncheck the T.38 Fax check box



The screenshot shows the 'Expert mode - Telephony Server' window. On the left is a navigation tree with 'Voice Gateway' expanded, showing 'SIP Parameters', 'ITSP Loc-ID Settings', 'Codec Parameters', 'Destination Codec Parameters', 'Internet Telephony Service Provider', 'Networking', 'SIPQ-Interconnection', and 'Native SIP Server Trunk'. The 'Codec Parameters' section is selected. The main area is titled 'Edit Codec Parameters' and contains a table of codecs.

Codec	Priority	Voice Activity Detection	Frame Size
G.711 A-law	Priority 1	VAD: <input type="checkbox"/>	20 msec
G.711 μ-law	Priority 2	VAD: <input type="checkbox"/>	20 msec
G.729A	Priority 4	VAD: <input type="checkbox"/>	20 msec
G.729AB	Priority 3	VAD: <input checked="" type="checkbox"/>	20 msec

Below the table, the 'T.38 Fax' checkbox is highlighted with a red box. It is currently unchecked. Other settings include 'Use FillBitRemoval' (checked), 'Max. UDP Datagram Size for T.38 Fax (bytes)' (1472), 'Error Correction Used for T.38 Fax (UDP)' (t38UDPRedundancy), 'ClearChannel' (checked), 'Frame Size' (20 msec), 'Transmission of Fax/Modem Tones according to RFC2833' (unchecked), 'Transmission of DTMF Tones according to RFC2833' (checked), 'Payload Type for RFC2833' (98), and 'Redundant Transmission of RFC2833 Tones according to RFC2198' (unchecked). At the bottom are 'Apply', 'Undo', and 'Help' buttons.