



OpenScape Business V3

How to Configure SIP Trunk for BusinessCom België

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Table of History

Date	Version	Changes
2020-03-18	1.0	First version
2024-09-10	1.1	editorial changes

Note: The basis for this document is the current OpenScape Business at the time of certification. Since OpenScape Business is constantly developed, input masks and interfaces as well as requirements may change in the future. The settings and entries described here then apply accordingly.



Configuration Data

Information from ITSP BusinessCom België provided via the WEB portal of BCOM:

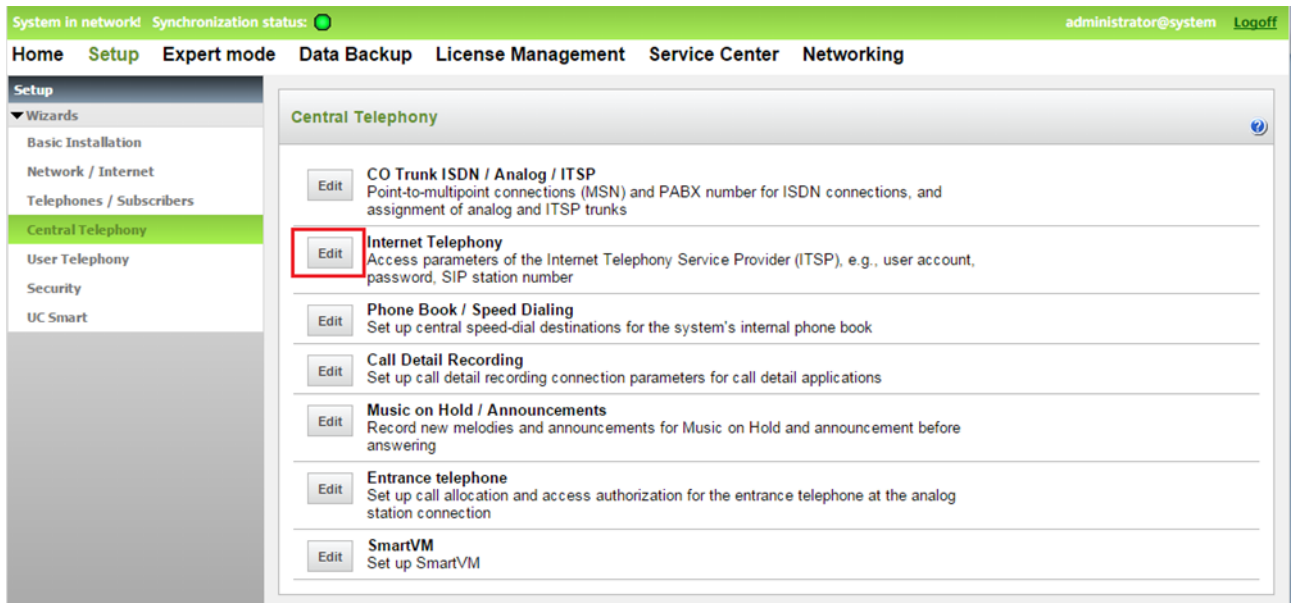
<http://office.mijnbcom.be>

Name	Example
Call Number:	(02) 4670525.....4670537
SIP Username:	3224670529
SIP Password:	xxxxxxxxxxxx
Number of voice-channels:	2

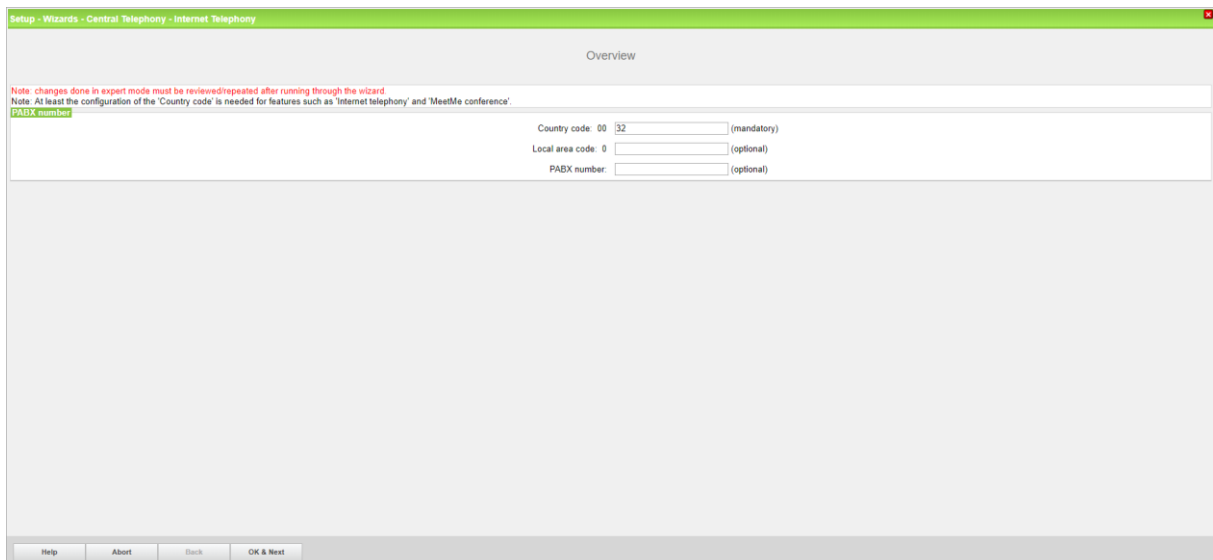
Configuration Wizard

Internet Telephony

Go to „Central Telephony – Internet Telephony“

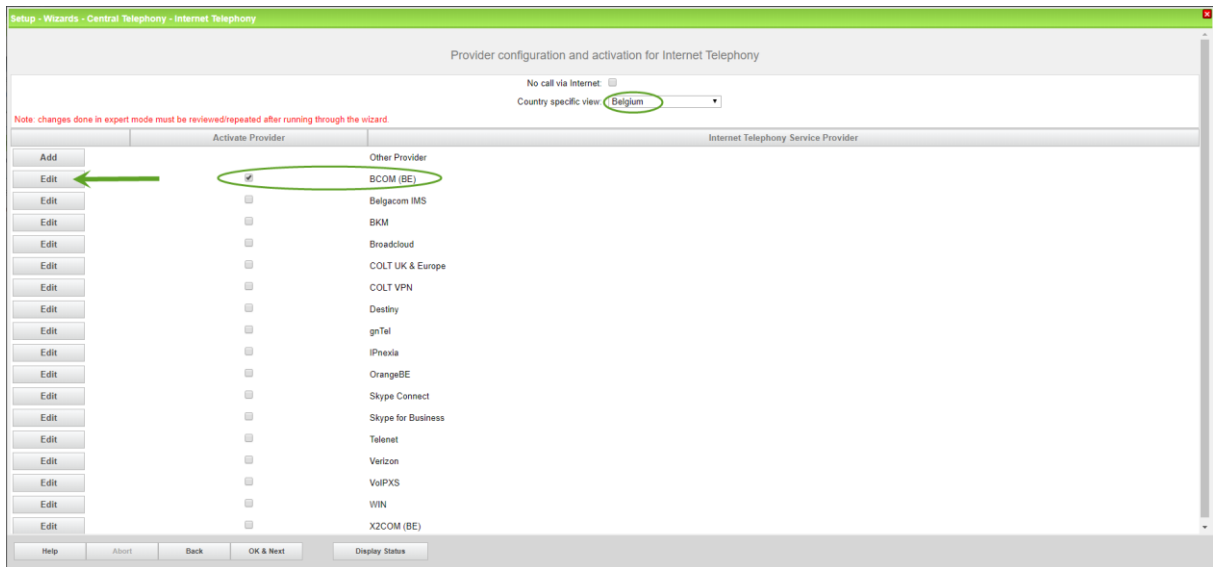


The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.



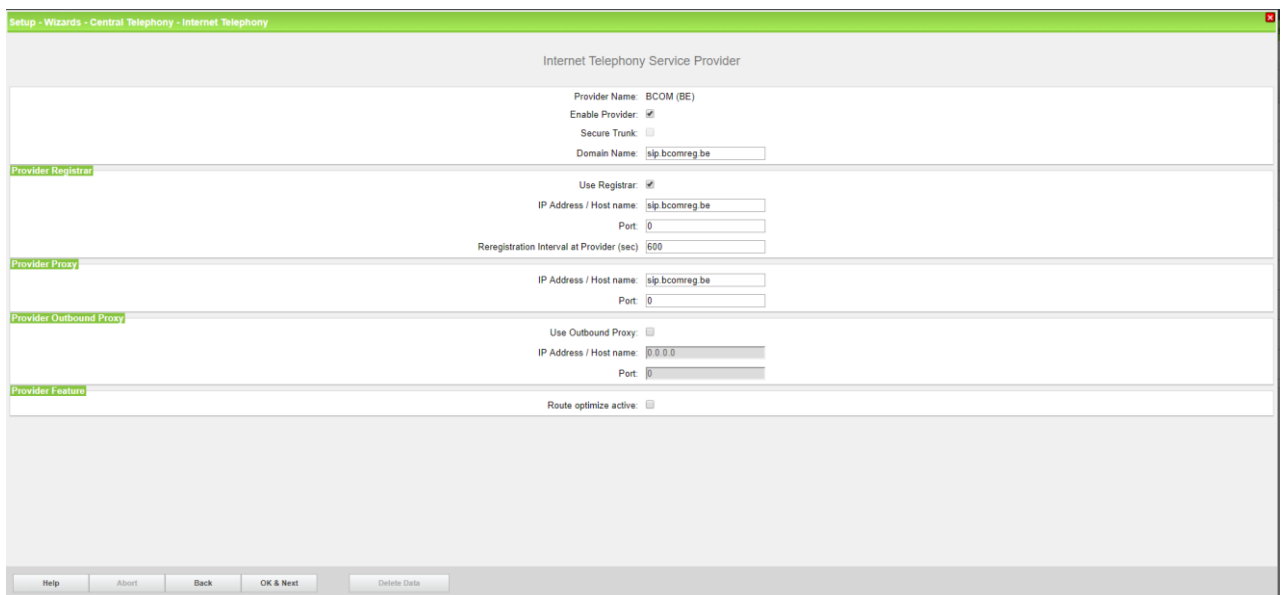
In this case, remaining digits are filled in DID field.
Click [OK & Next]

Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck
Use County specific view : Belgium and select BCOM (BE).



Activate Provider and click on [Edit].

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

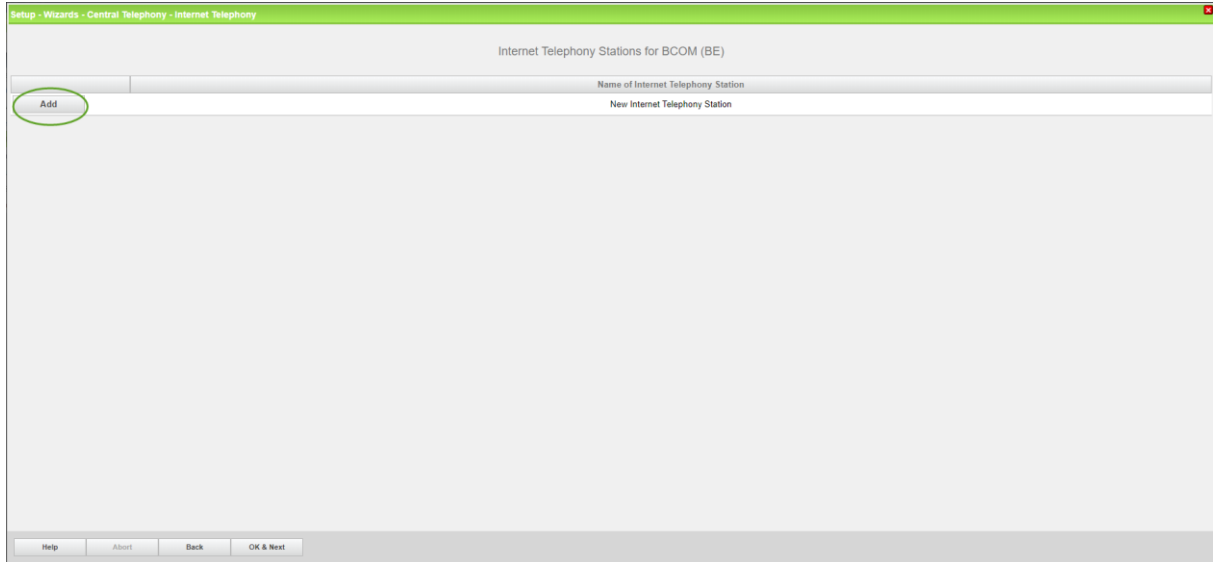


Only in case Call deflection has to be used, the flag “Route optimize active” needs to be activated. In this case an external call forward will be done by the provider and the trunk channels in the system will remain free.

Click [OK & Next]

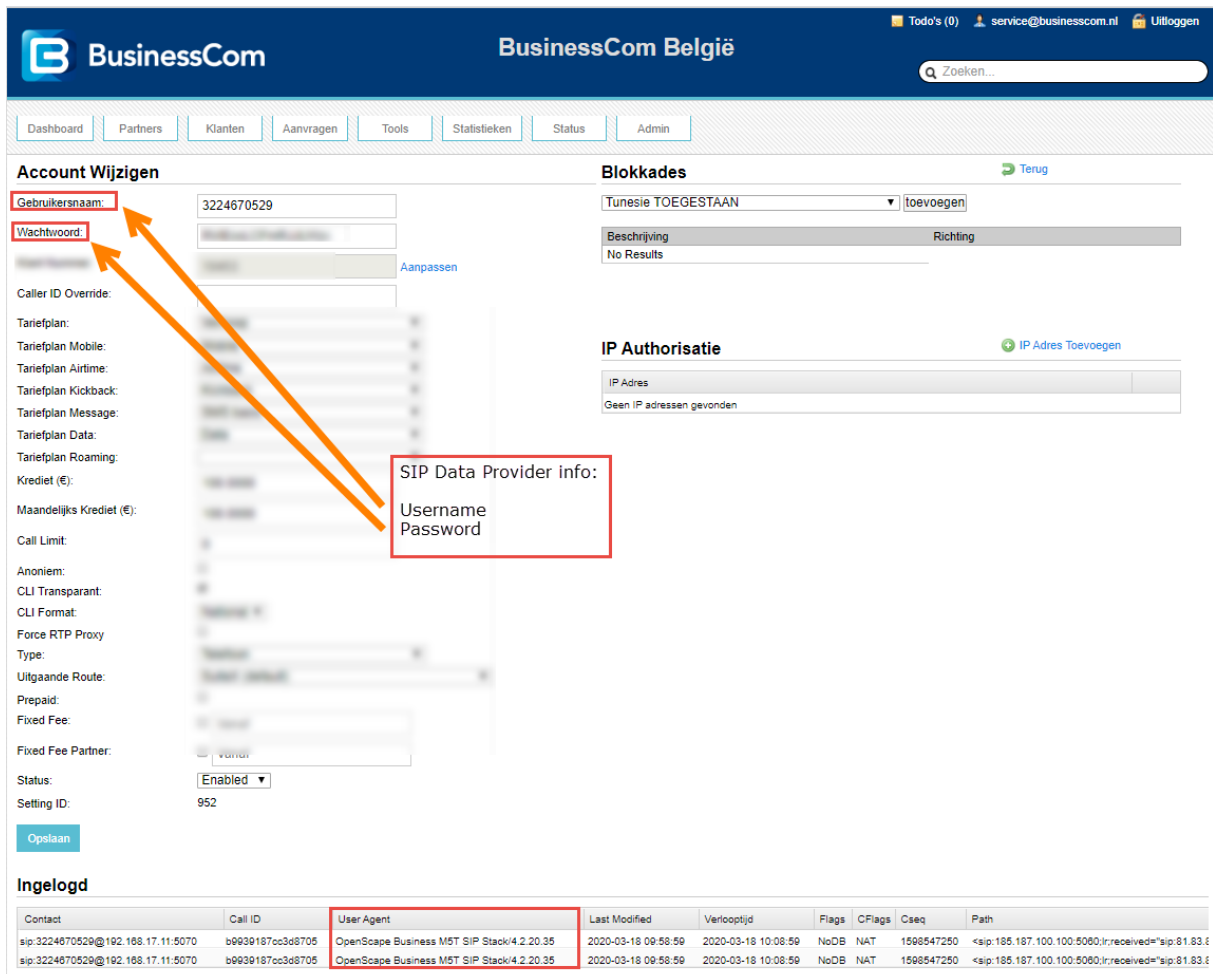
Internet Telephony configuration

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



Click on [Add].

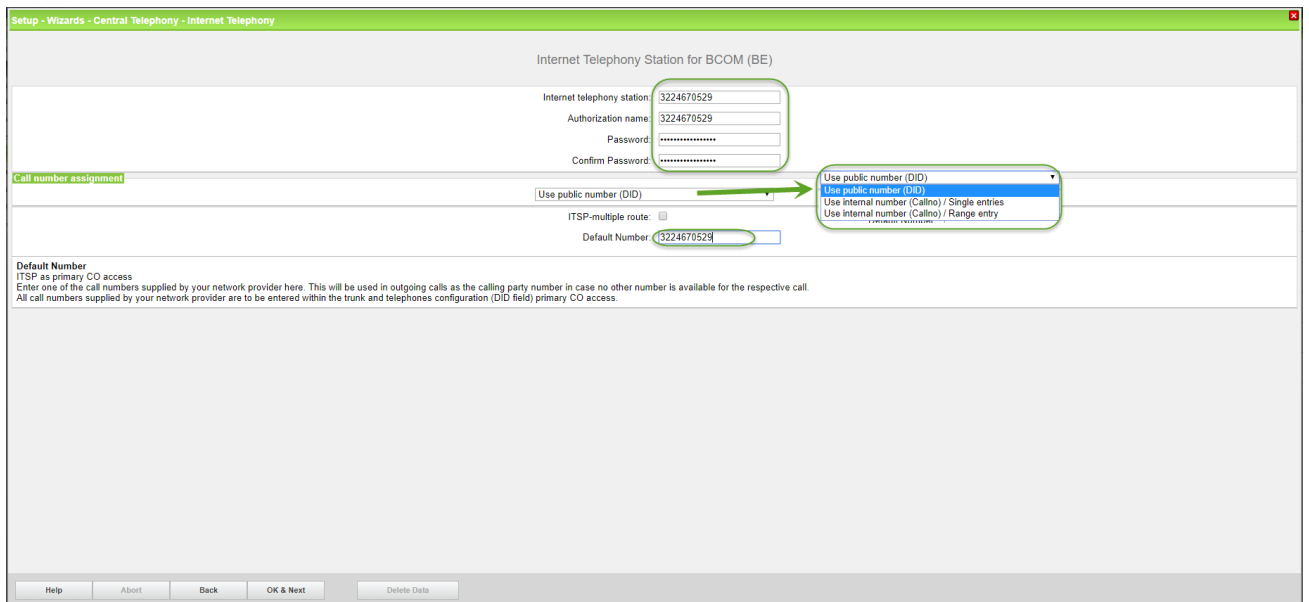
Data provided by ITSP BusinessCom België is inserted here.



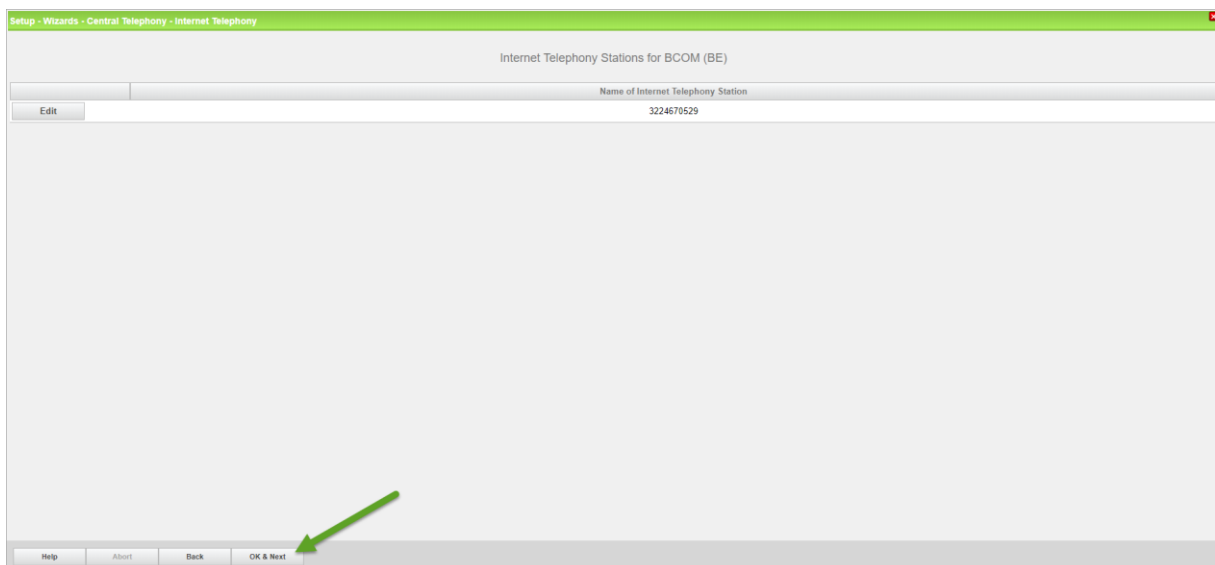
The screenshot shows the BusinessCom België web interface. The top navigation bar includes 'Dashboard', 'Partners', 'Klanten', 'Aanvragen', 'Tools', 'Statistieken', 'Status', and 'Admin'. The main content area is titled 'Account Wijzigen'. There are several sections: 'Gebruikersnaam' (3224670529), 'Wachtwoord', 'Caller ID Override', 'Tariefplan', 'Krediet (€)', 'Maandelijks Krediet (€)', 'Call Limit', 'Anoniem', 'CLI Transparant', 'CLI Format', 'Force RTP Proxy', 'Type', 'Uitgaande Route', 'Prepaid', 'Fixed Fee', 'Fixed Fee Partner', 'Status' (Enabled), and 'Setting ID' (952). There is a 'Blokades' section with a dropdown menu set to 'Tunesië TOEGESTAAN' and a 'toevoegen' button. There is also an 'IP Authorisatie' section with an 'IP Adres' field and a '+ IP Adres Toevoegen' button. A red box highlights the 'SIP Data Provider info: Username Password' section, with two orange arrows pointing to the 'Gebruikersnaam' and 'Wachtwoord' fields. At the bottom, there is an 'Ingelogd' table with columns: Contact, Call ID, User Agent, Last Modified, Verlooptijd, Flags, CFlags, Cseq, and Path.

Contact	Call ID	User Agent	Last Modified	Verlooptijd	Flags	CFlags	Cseq	Path
sip:3224670529@192.168.17.11:5070	b9939187cc3d8705	OpenScape Business MST SIP Stack/4.2.20.35	2020-03-18 09:58:59	2020-03-18 10:08:59	NoDB	NAT	1598547250	< sip:185.187.100.100:5060;lr:received=sip:81.83.8
sip:3224670529@192.168.17.11:5070	b9939187cc3d8705	OpenScape Business MST SIP Stack/4.2.20.35	2020-03-18 09:58:59	2020-03-18 10:08:59	NoDB	NAT	1598547250	< sip:185.187.100.100:5060;lr:received=sip:81.83.8

- Internet telephony station: “Gebruikersnaam” is inserted here
- Authorization name: “Gebruikersnaam” is inserted here
- Password: “Wachtwoord” provided by ITSP BCom is inserted 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 then one account of the same provider (in this case BCOM) 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].



Click [OK & Next].


Setup - Wizards - Central Telephony - Internet Telephony

Call Number Assignment for BCOM (BE)

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

Help Abort Back **OK & Next**



Click [OK & Next] (no input needed)

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	Other Provider	Internet Telephony Service Provider
Add			
Edit	<input checked="" type="checkbox"/>	BCOM (BE)	
Edit	<input type="checkbox"/>	Belgacom IMS	
Edit	<input type="checkbox"/>	BKM	
Edit	<input type="checkbox"/>	Broadcloud	
Edit	<input type="checkbox"/>	COLT UK & Europe	
Edit	<input type="checkbox"/>	COLT VPN	
Edit	<input type="checkbox"/>	Destiny	
Edit	<input type="checkbox"/>	gnTel	
Edit	<input type="checkbox"/>	IPhexia	
Edit	<input type="checkbox"/>	OrangeBE	
Edit	<input type="checkbox"/>	Skype Connect	
Edit	<input type="checkbox"/>	Skype for Business	
Edit	<input type="checkbox"/>	Telenet	
Edit	<input type="checkbox"/>	Verizon	
Edit	<input type="checkbox"/>	VoiPXS	
Edit	<input type="checkbox"/>	WIN	
Edit	<input type="checkbox"/>	X2COM (BE)	

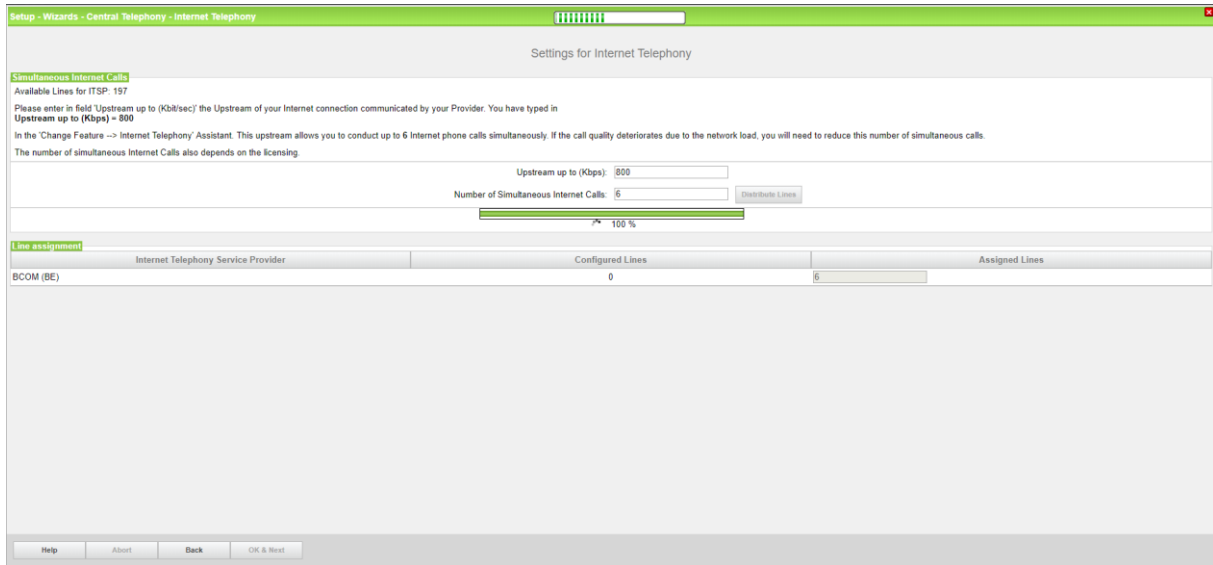
Help Abort Back **OK & Next** Display Status



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.



Settings for Internet Telephony

Simultaneous Internet Calls
 Available Lines for ITSP: 157
 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) = 800
 In the 'Change Feature -> Internet Telephony' Assistant. This upstream allows you to conduct up to 6 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:

100 %

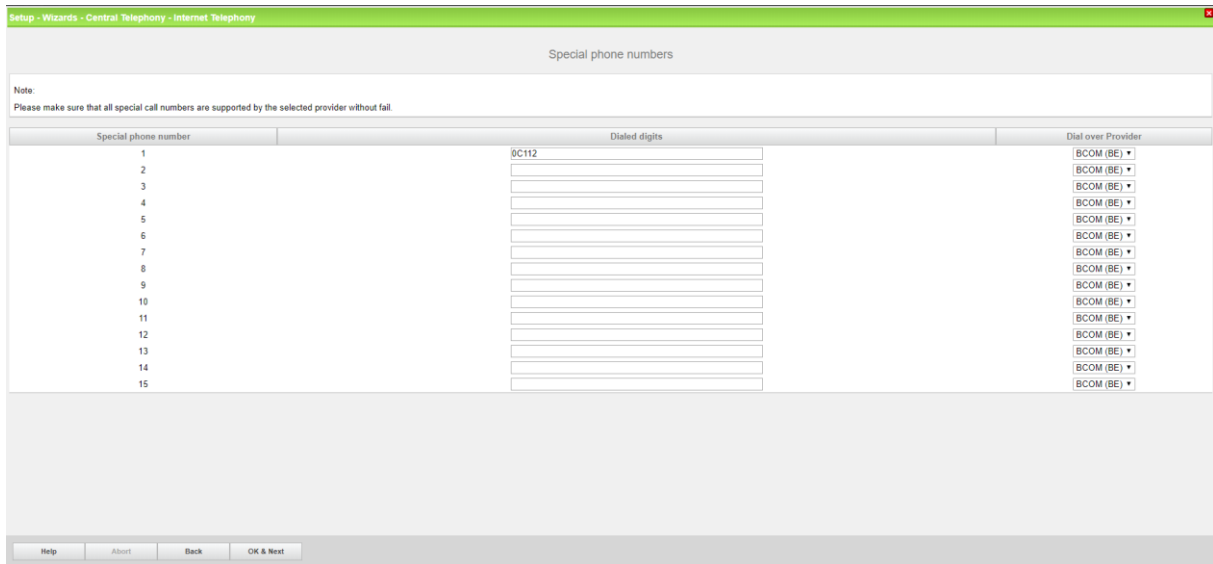
Line assignment	Internet Telephony Service Provider	Configured Lines	Assigned Lines
BCOM (BE)		0	6

Help About 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.



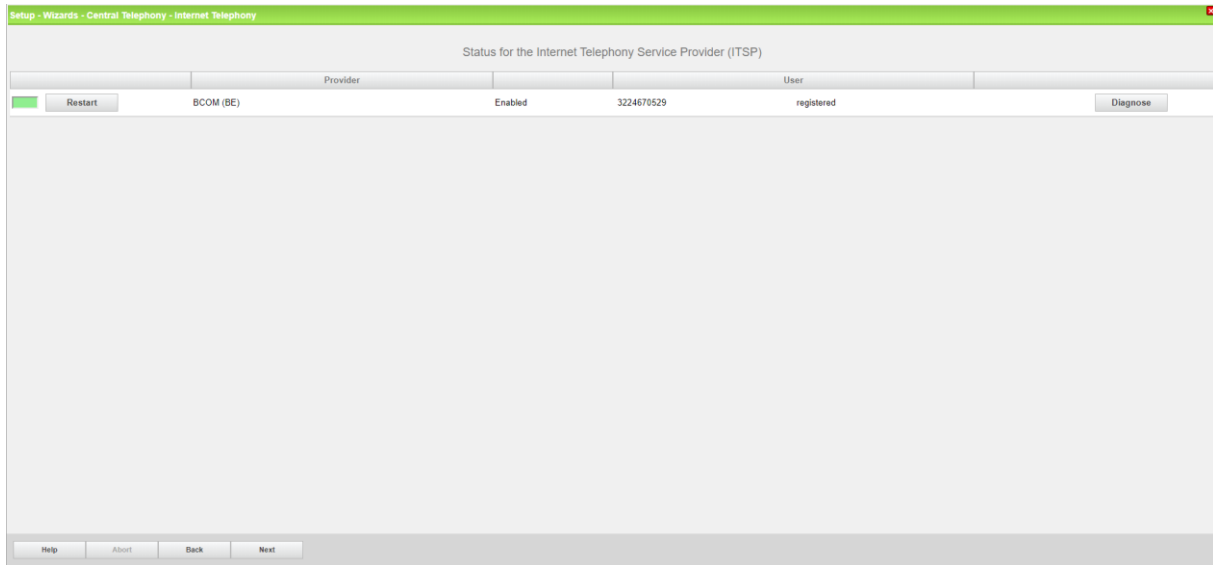
Special phone numbers

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

Special phone number	Dialed digits	Dist over Provider
1	0C112	BCOM (BE) ▾
2		BCOM (BE) ▾
3		BCOM (BE) ▾
4		BCOM (BE) ▾
5		BCOM (BE) ▾
6		BCOM (BE) ▾
7		BCOM (BE) ▾
8		BCOM (BE) ▾
9		BCOM (BE) ▾
10		BCOM (BE) ▾
11		BCOM (BE) ▾
12		BCOM (BE) ▾
13		BCOM (BE) ▾
14		BCOM (BE) ▾
15		BCOM (BE) ▾

Help About Back OK & Next

Click OK & Next and the ITSP status will be displayed



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.

