



OpenScape Business

How to configure VoIPXS Sip trunk

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Table of History

Date	Version	Changes
19.03.2018	1.0	
09.09.2024	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

The customer settings can be found in the Provisioning interface. Here you can find the assigned phone numbers, account code and password.

The screenshot shows the 'Trunk account detail' page in the Provisioning interface. The account code is 617 123 30 and the password is dQ6...vB8. The page also displays creation date, region, call permissions, and a list of phone numbers forwarded to the trunk.

Servers and ports

The server addresses and ports which are used in the profile.

Name Server	Function	URL	Port Nr.	Altern. Port Nr.
SIP Server	Call Agent	voip.voipxs.eu	5060	38388
SIP Server	Proxy Server	voip.voipxs.eu	5060	38388
STUN Server	STUN	stun.voipxs.eu	3478	
NTP Server	Date and time	ntp.voipxs.eu		
Media Gateway	Audio			

IP ranges

IP ranges that should be accessible from the customer site

Network Address	Netmask	Alternative Netmask	Explanation
194.140.246.0	255.255.255.0	/24	Address range from 194.140.246.1 up to and including 194.140.246.255
91.215.4.0	255.255.252.0	/22	Address range from 91.215.4.1 up to and including 91.215.7.255

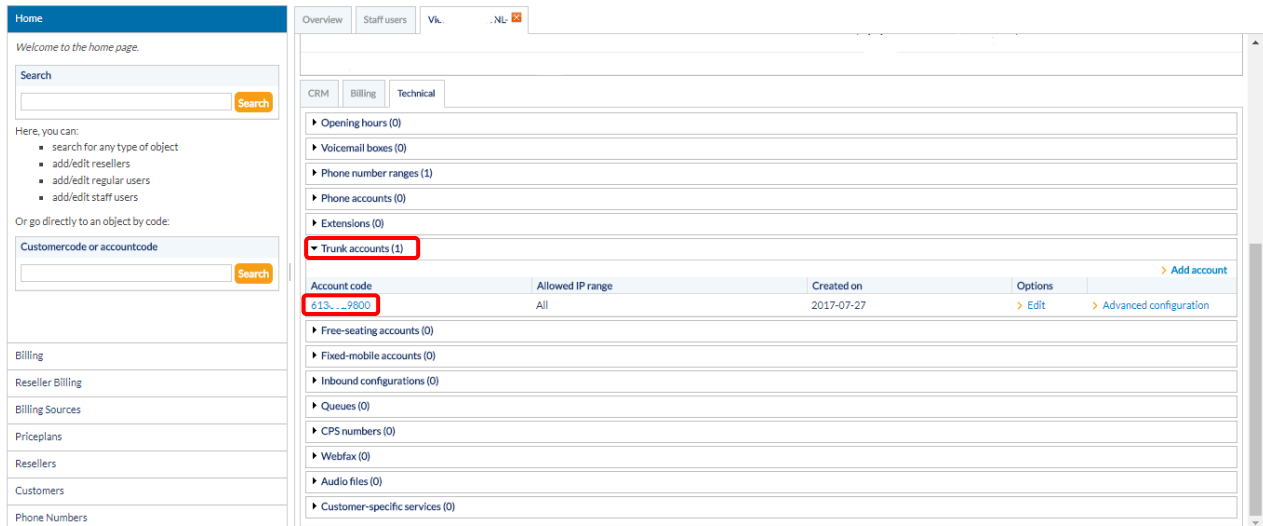
Codecs

Video connections are not supported by OpenScape Business.

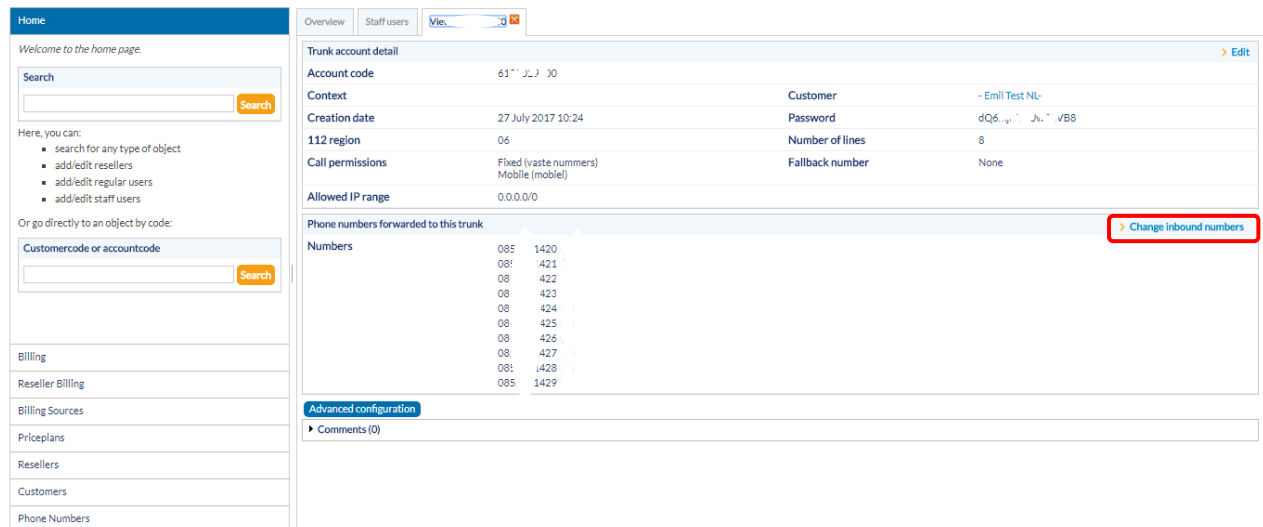
Codec	Netto Bitrate	Explanation
PCMA	64 kbit/s	G.711 A-law
PCMU	64 kbit/s	G.711 μ-law
G.729	8 kbit/s	One time licence fee / channel
H.263	Variable	Video Codec
H.264	Variable	Video Codec

Provisioning Interface

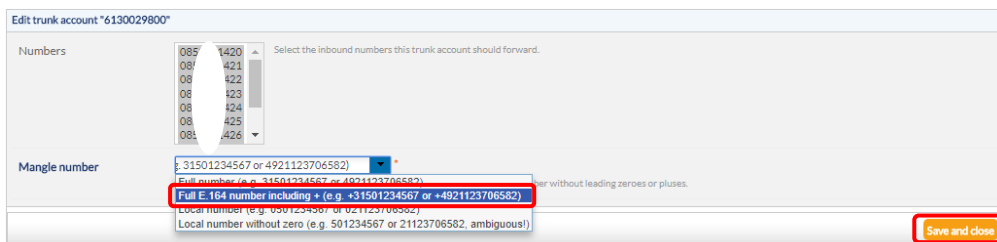
Trunk Account Settings



After logging into the Provisioning Interface go to the Customer page, then click on Trunk accounts -> Account Code



Click on Change inbound numbers

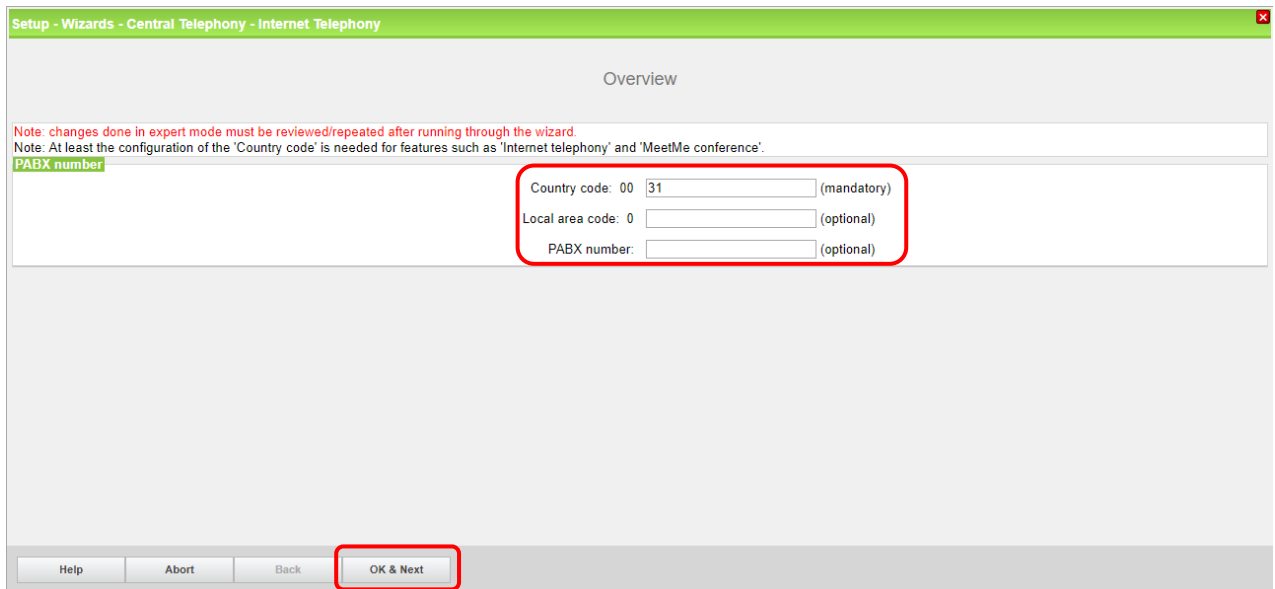
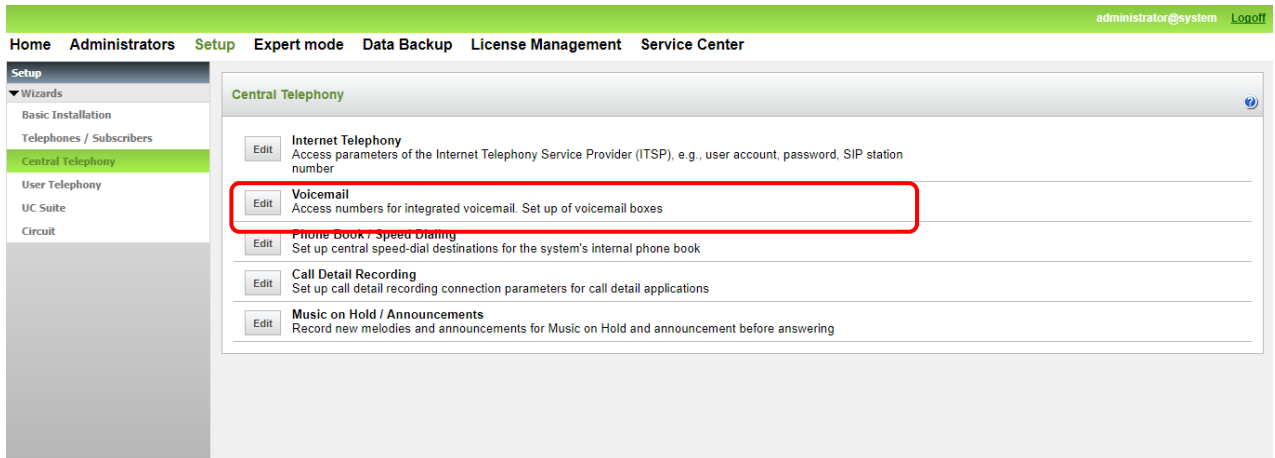


Change the Mangle number format -> Full E.164 number including +

Configuration Wizard

Internet telephony

Go to "Setup - Central Telephony – Internet Telephony"



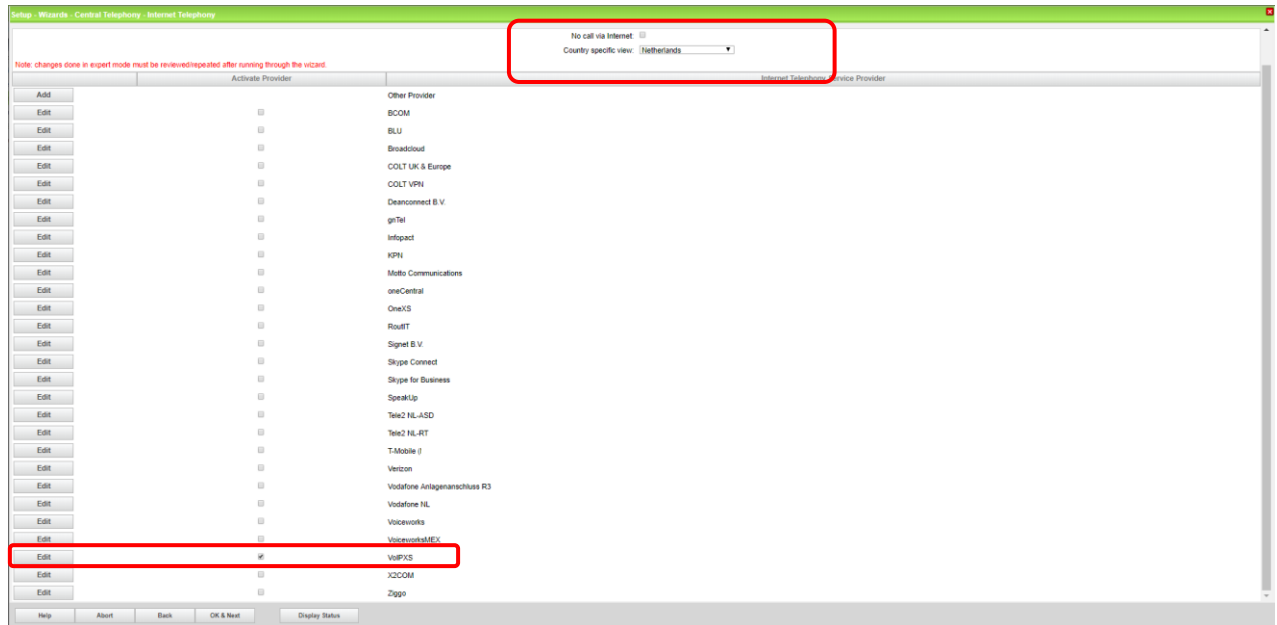
The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.

This is absolutely necessary for multisites scenarios and CLIP No Screening.

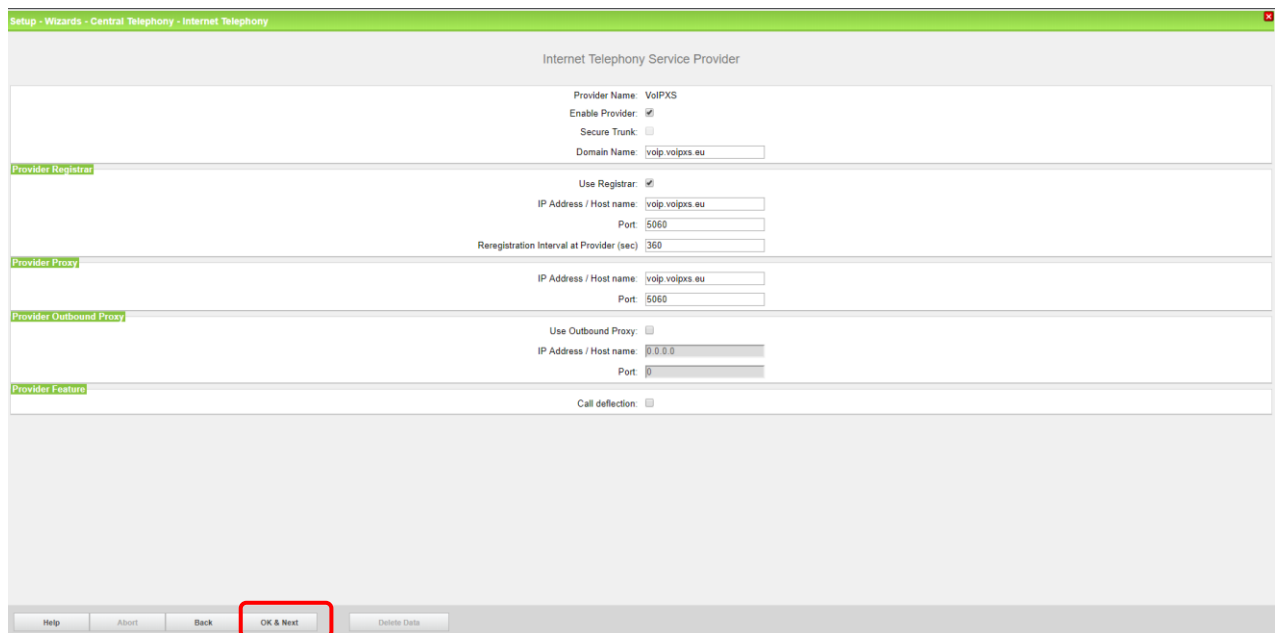
If the assigned number is to be sent as an outgoing number, the remaining digits are entered in the DDI field (see page 11).

Click "OK & Next"

Provider configuration



Uncheck No call via Internet, Country specific view: Netherlands, and Activate Provider VoIPXS.
Click "Edit"



The preconfigured data is shown.
Click "OK & Next"

Internet Telephony configuration

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

The screenshot shows a dialog box titled "Internet Telephony Stations for VoIPXS". At the top, there is a header bar with the text "Setup - Wizards - Central Telephony - Internet Telephony". Below the header, the main area contains a table with two columns: "Name of Internet Telephony Station" and "New Internet Telephony Station". An "Add" button is located on the left side of the table, highlighted with a red box. At the bottom of the dialog, there are four buttons: "Help", "Abort", "Back", and "OK & Next".

Click on "Add"

The screenshot shows a dialog box titled "Internet Telephony Station for VoIPXS". The main area contains several input fields and a dropdown menu. The "Internet telephony station:" field is set to "6122.50000", "Authorization name:" is set to "6122.50000", "Password:" and "Confirm Password:" are both set to "*****". The "Call number assignment" dropdown menu is set to "Use public number (DID)". Below this, there is a red warning message: "If using 'configurable clip' you have to change the configuration to 'Use public number (DID)' here! Changing trunk parameters in case of internal subscriber no. is not allowed!". The "ITSP-multiple route:" checkbox is unchecked, and the "Default Number:" field is set to "+3186211420". At the bottom, there are five buttons: "Help", "Abort", "Back", "OK & Next", and "Delete Data". The "OK & Next" button is highlighted with a red box.

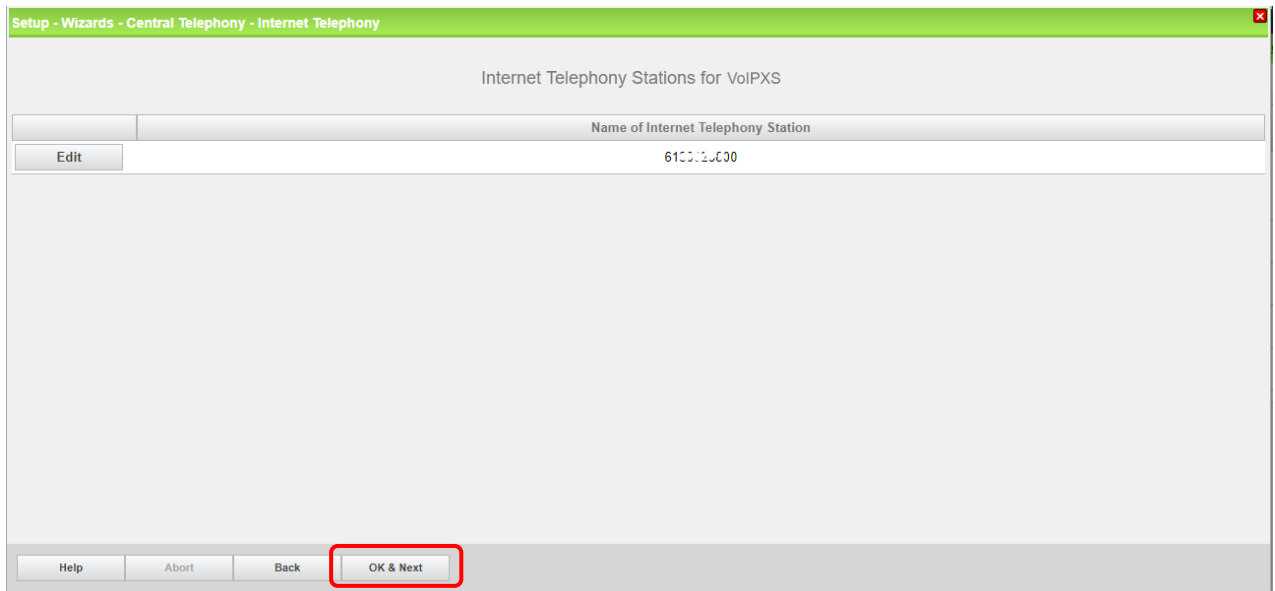
Internet telephony station: Account Code

Authorization name: Account Code

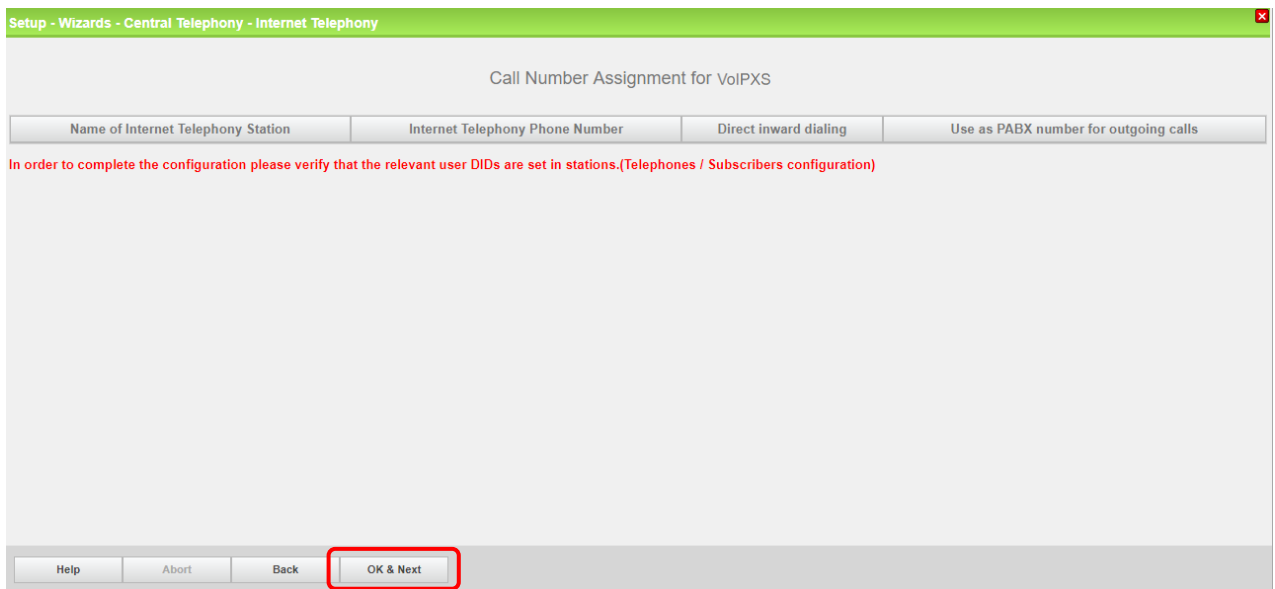
Password: Password

Default Number: The main number of the company in international format (+31)
The default number is used when there is no DID/Clip configured

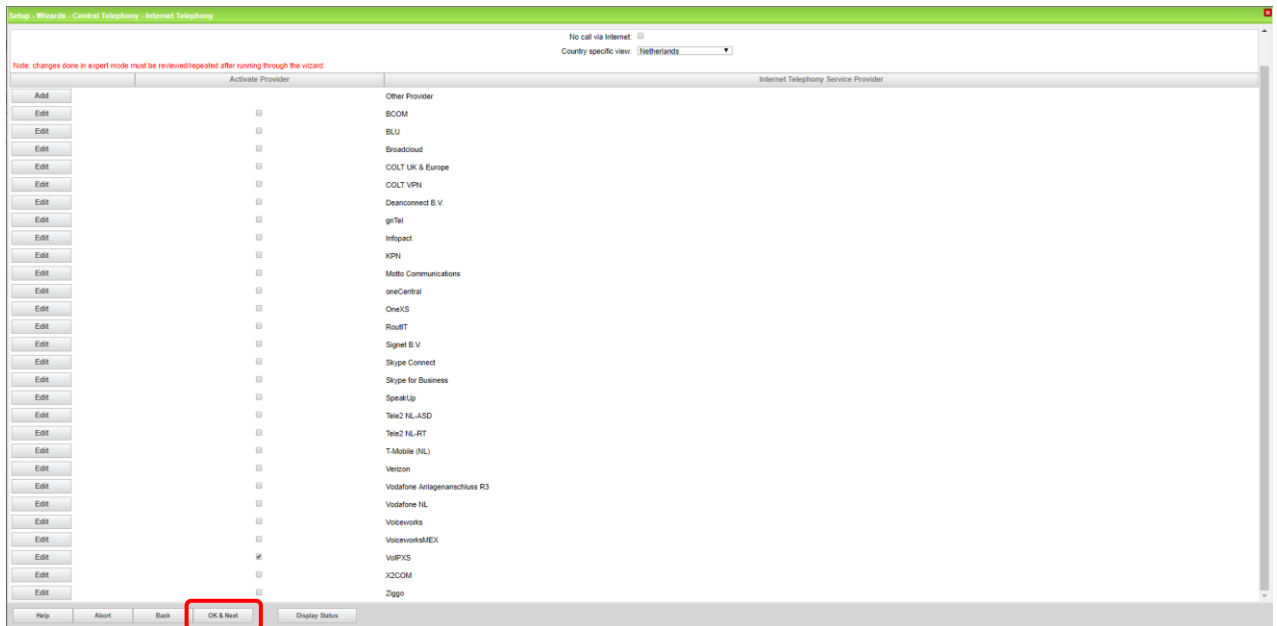
Click "OK & Next"



Click "OK & Next"

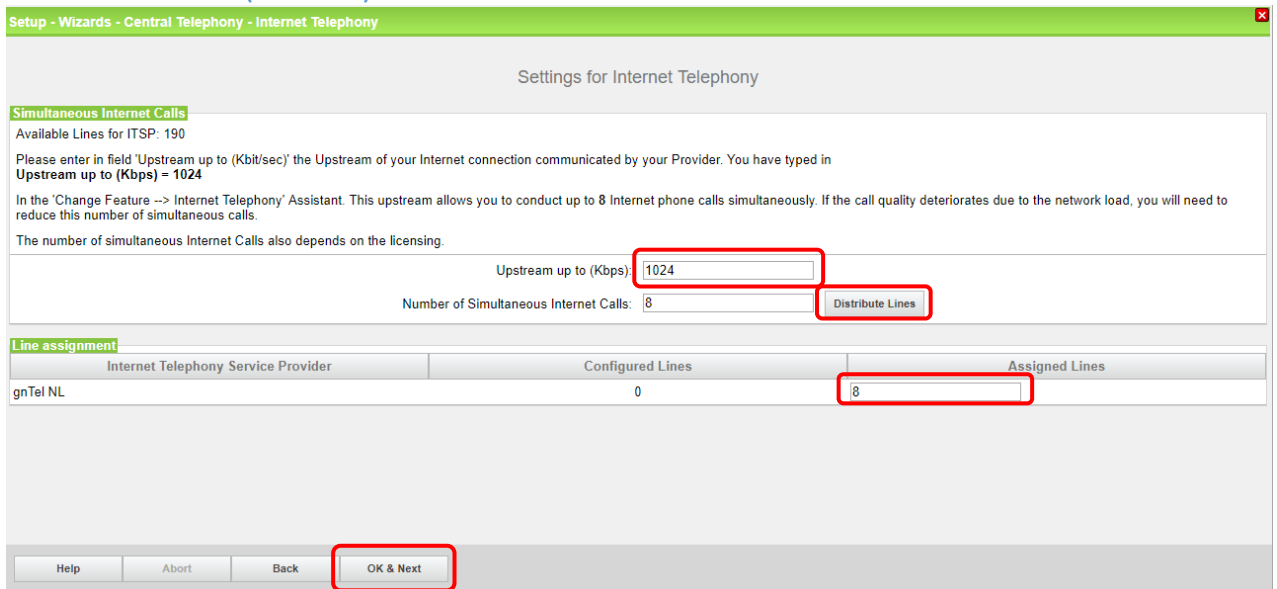


Click "OK & Next"



Click "OK & Next"

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 128Kbps one trunk is created.

Click "OK & Next"

Special phone numbers

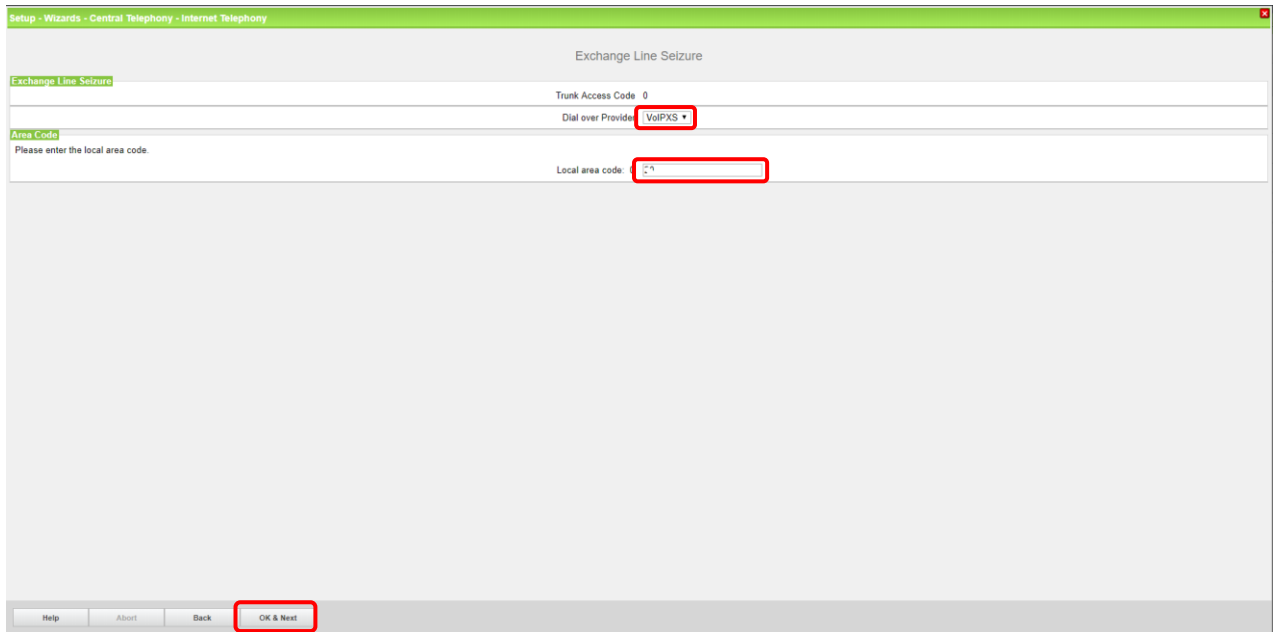
Special phone number	Dialed digits	Dial over Provider
1	00112	VoIPXS
2		VoIPXS
3		VoIPXS
4		VoIPXS
5		VoIPXS
6		VoIPXS
7		VoIPXS
8		VoIPXS
9		VoIPXS
10		VoIPXS
11		VoIPXS
12		VoIPXS
13		VoIPXS
14		VoIPXS
15		VoIPXS

In this dialog it is possible to route special phone numbers. When special phone numbers are not supported by the sip provider it is possible to change the route here
Click "OK & Next"

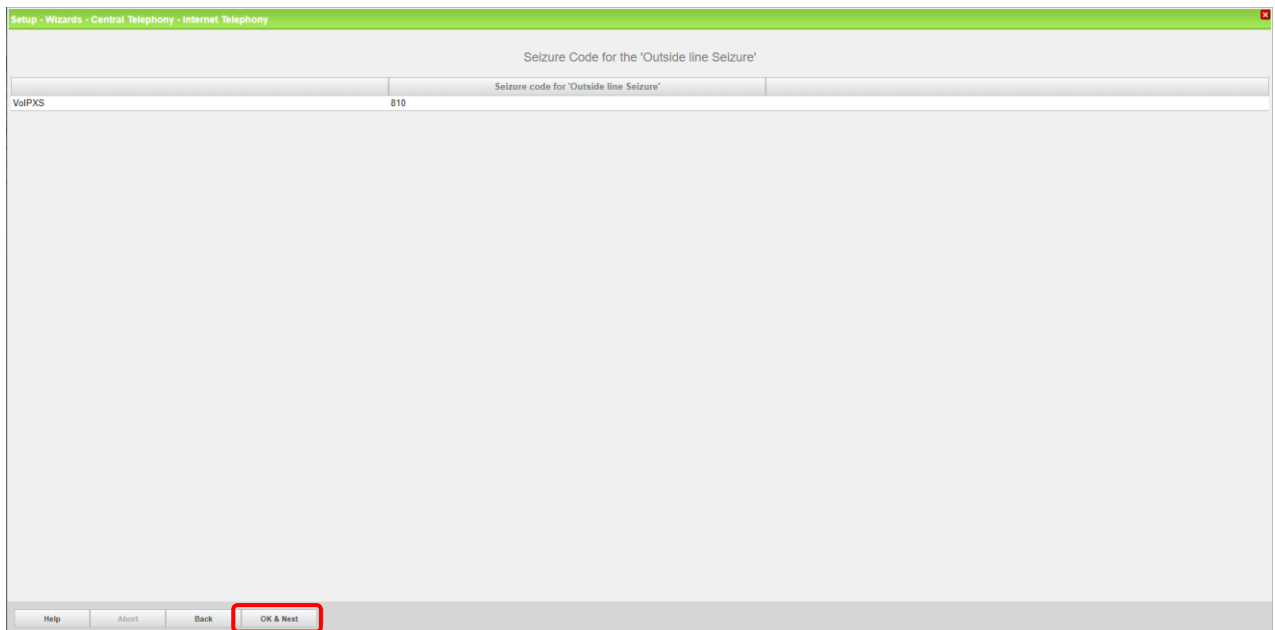
Status ITSP

Provider	Enabled	User	Diagnose
VoIPXS	Enabled	6:27:20	registered

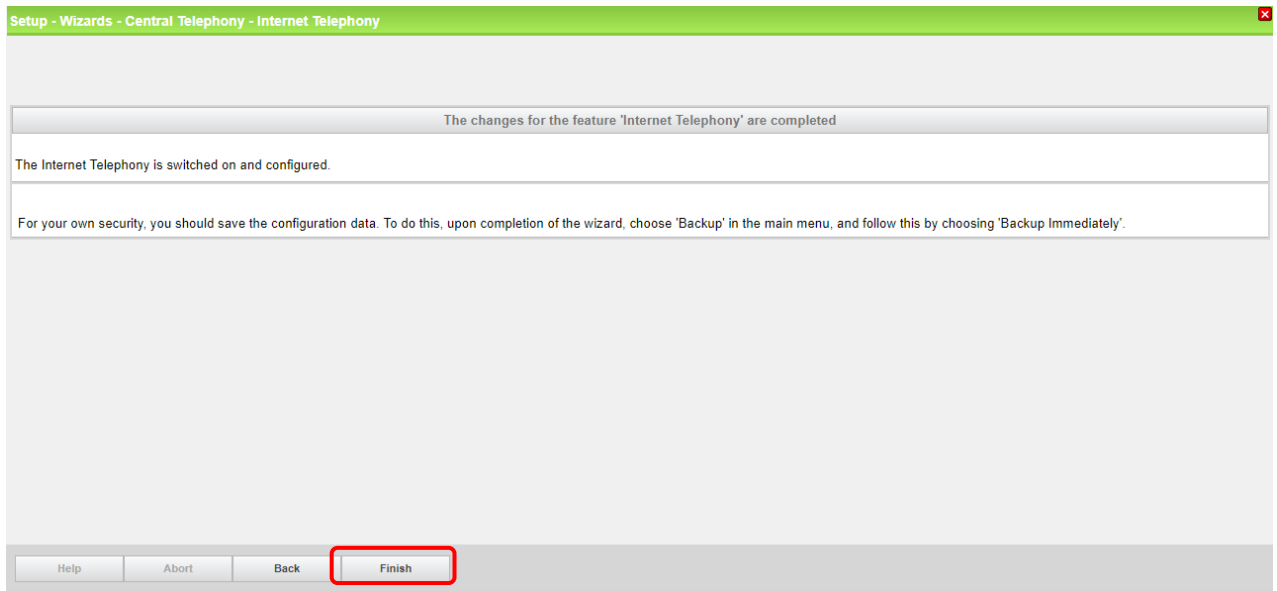
Click "OK & Next"



“Exchange Line Seizure” select which trunk will access code 0. Enter the local area code without prefix digits (only needed when local area code was not entered in first step PBX number)
Click “OK & Next”



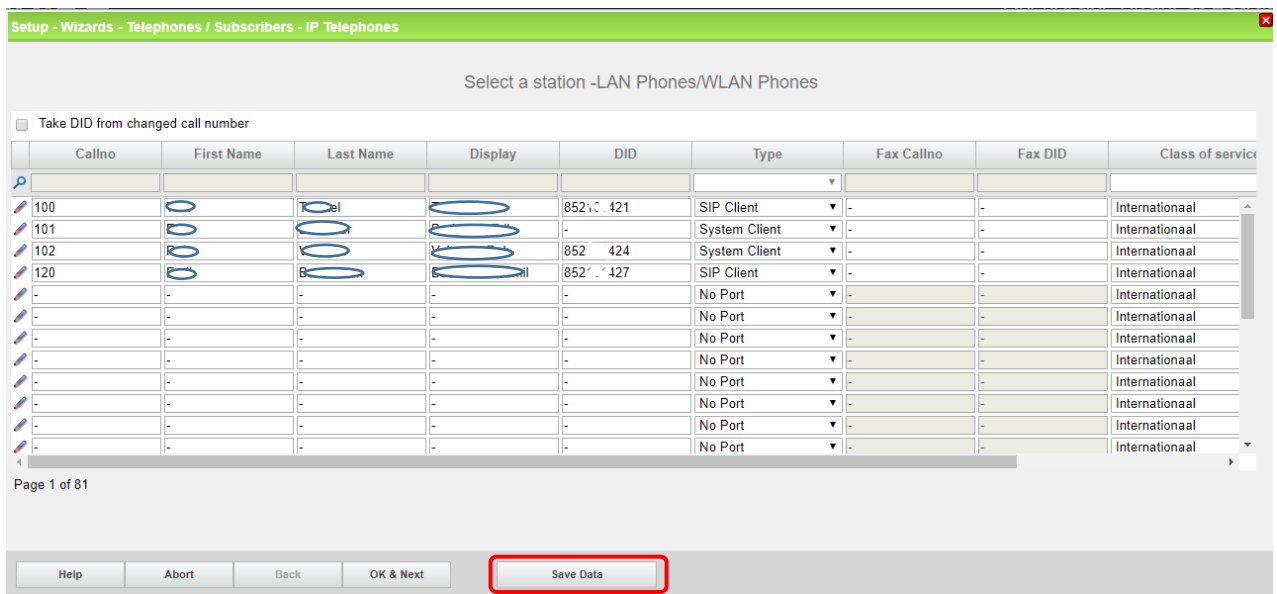
The Seizure code for the Outside line can be different (depends on the given value in base config).
Click “OK & Next”



Click "Finish"

DID Configuration

Go to "Setup – Telephones / Subscribers – IP Telephones"



In general the DID has to be configured without +31 and leading 0.