



OpenScape Business

How to configure gnTel Sip trunk

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Table of History

Date	Version	Changes
08.08.2017	1.0	
19.03.2018	1.1	Disabled Stun, Serveradres changed to voip.gntel.eu and support of call deflection (302)
06.09.2024	1.2	editorial changes

Note: The basis for this document is the current OpenScope Business at the time of certification. Since OpenScope 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 'gnTel Provisioning Interface' with a navigation menu on the left and a main content area. The main content area displays 'Trunk account detail' for account code 6130029800. The 'Account code' and 'Password' fields are highlighted with red boxes. The password is 'dQ6...vB8'. Below the account details, there is a table of 'Phone numbers forwarded to this trunk'.

Numbers	Forwarded to
085	1420
085	1421
08	422
08	423
08	424
08	425
08	426
08	427
081	428
085	1429

Servers and ports

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

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

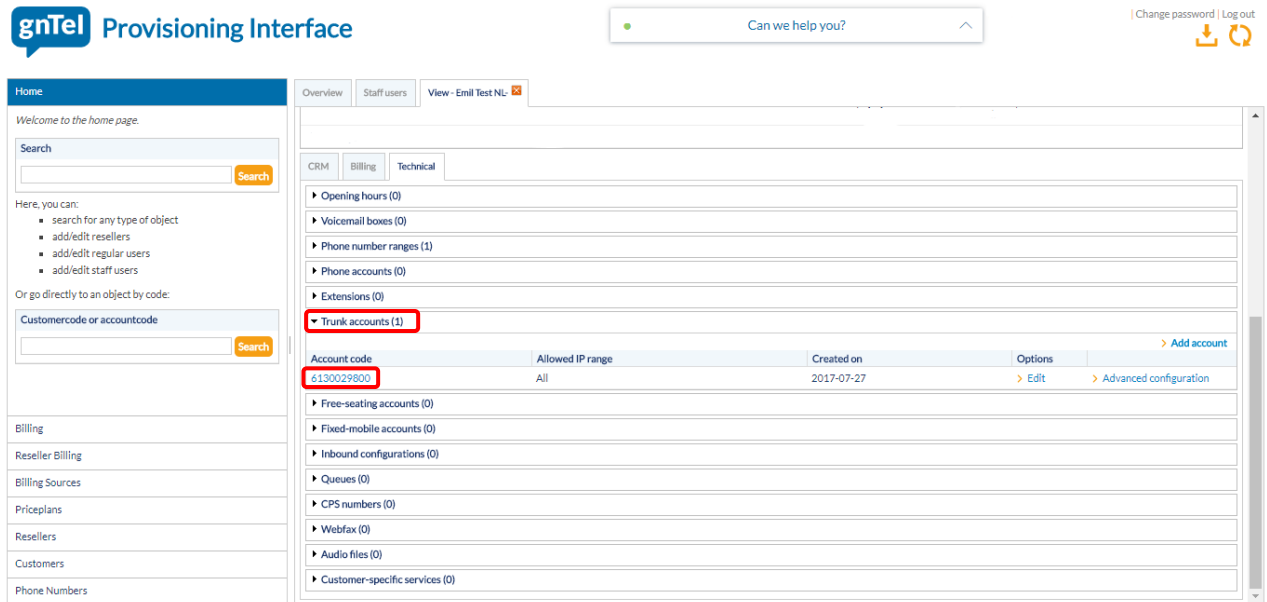
Codecs

Video connections are not supported by OpenScape Business.

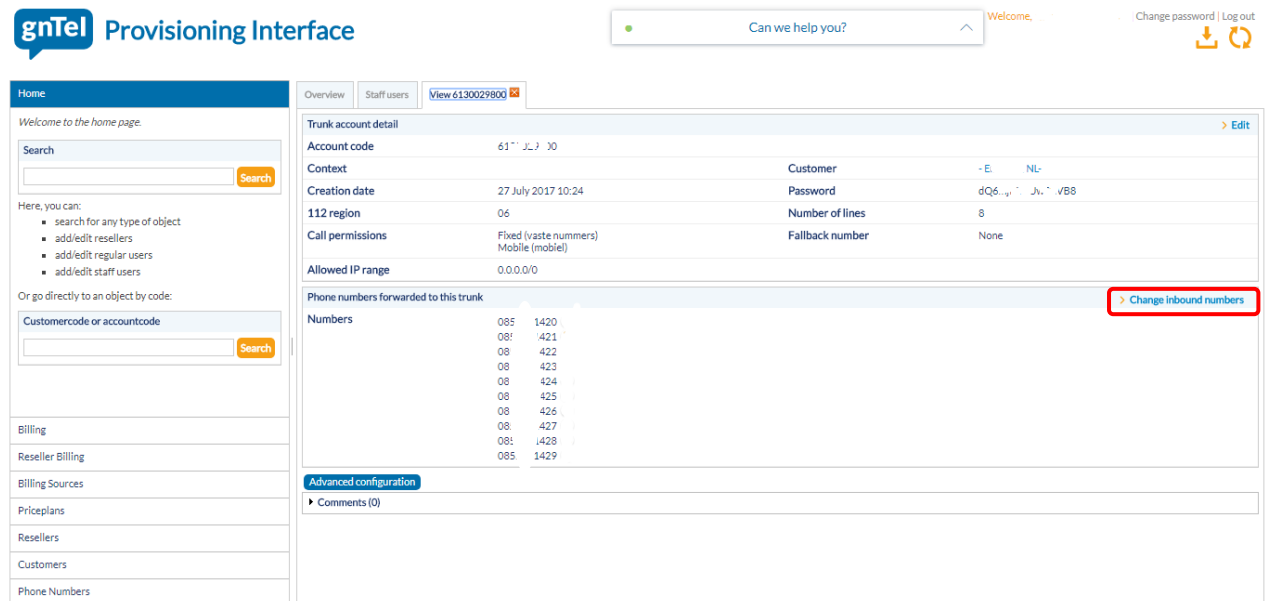
Codec	Netto Bitrate	Explanation
PCMA	64 kbit/s	G.711 A-law
PCMU	64 kbit/s	G.711 μ-law
G.729	8 kbit/s	One time licence fee / channel
H.263	Variable	Video Codec
H.264	Variable	Video Codec

Provisioning Interface

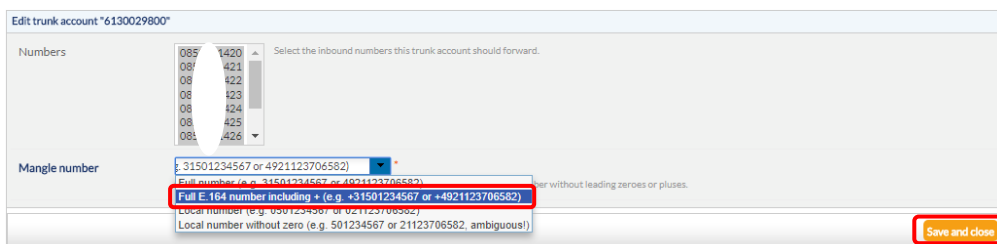
Trunk Account Settings



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



Click on Change inbound numbers

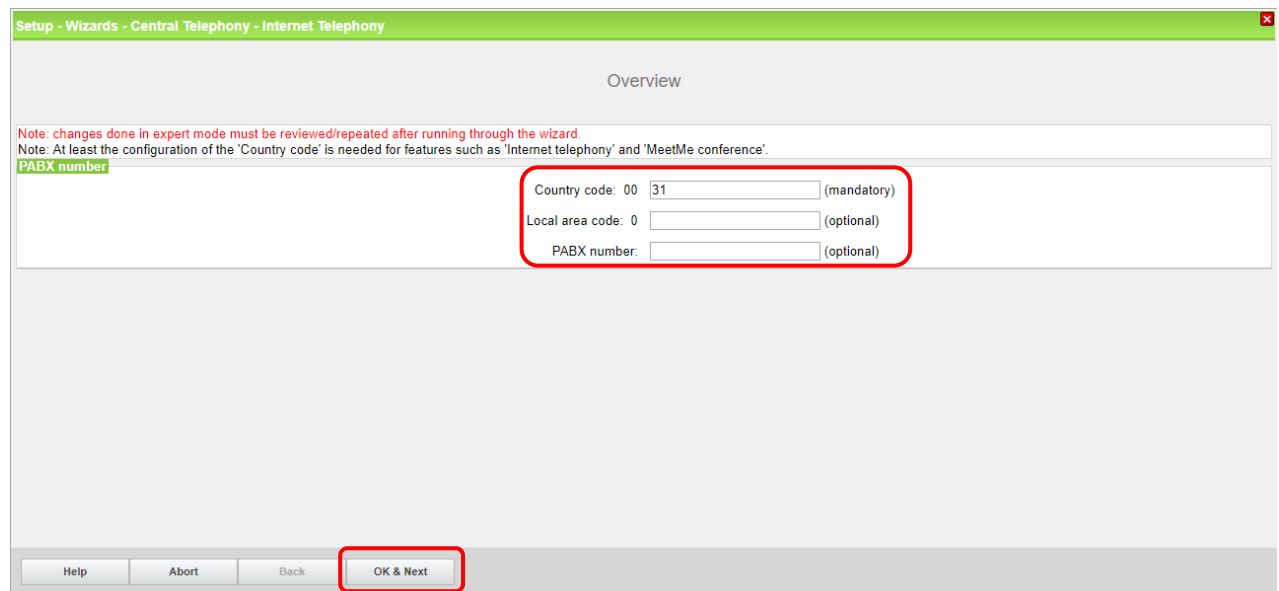
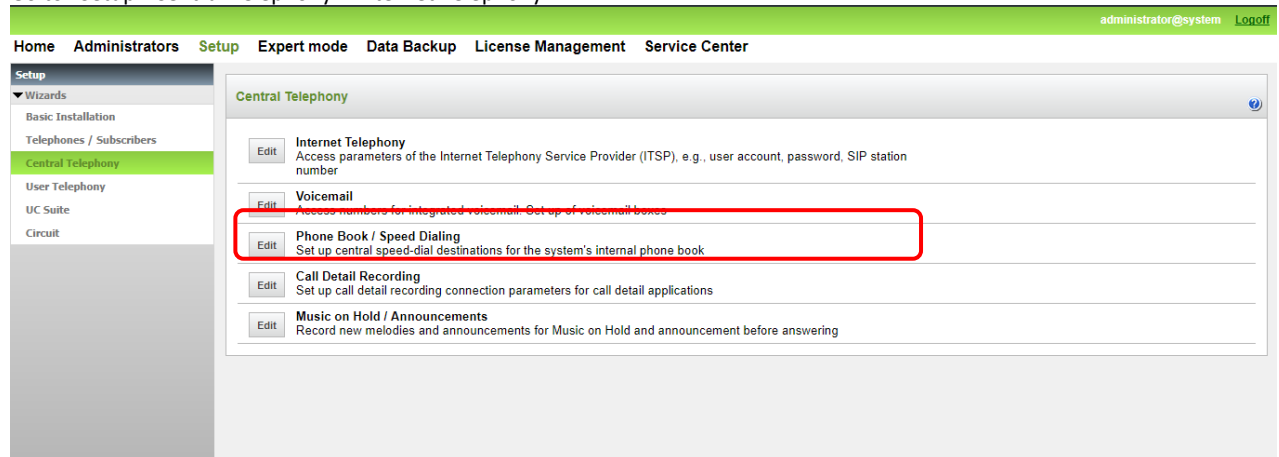


Change the Mangle number format -> Full E.164 number including +

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

Setup - Wizards - Central Telephony - Internet Telephony

Provider configuration and activation for Internet Telephony

No call via Internet:

Country specific view: Netherlands

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 type="checkbox"/>	BLU
Edit	<input type="checkbox"/>	Broadcloud
Edit	<input type="checkbox"/>	COLT UK & Europe
Edit	<input type="checkbox"/>	COLT VPN
Edit	<input type="checkbox"/>	Deanconnect B.V.
Edit	<input checked="" type="checkbox"/>	gnTel NL
Edit	<input type="checkbox"/>	Infopact
Edit	<input type="checkbox"/>	KPN

Help Abort Back OK & Next Display Status

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

The server data are already preset by the profile.

Here the features call forwarding can be activated by means of rerouting:

- "Rerouting active" deactivated (default) -> a call forwarding establishes a second connection and control of the call remains in the system
- "Rerouting active" activated -> Rerouting is carried out in the office during a call forwarding. The system loses further control over the call

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Service Provider

Provider Name: gnTel

Enable Provider:

Secure Trunk:

Domain Name: voip.gntel.eu

Provider Registrar

Use Registrar:

IP Address / Host name: voip.gntel.eu

Port: 5060

Reregistration Interval at Provider (sec): 300

Provider Proxy

IP Address / Host name: voip.gntel.eu

Port: 5060

Provider Outbound Proxy

Use Outbound Proxy:

IP Address / Host name: 0.0.0.0

Port: 0

Provider Feature

Call deflection:

Help Abort Back OK & Next Delete Data

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

Internet Telephony configuration

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

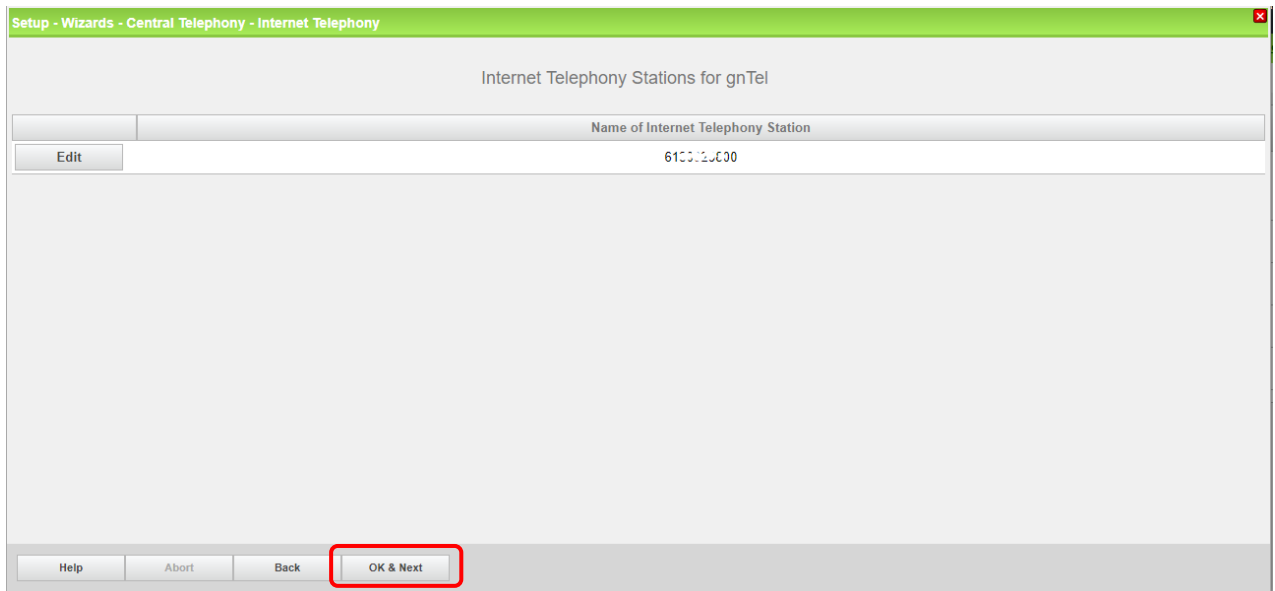
The screenshot shows a window titled "Setup - Wizards - Central Telephony - Internet Telephony". The main area is titled "Internet Telephony Stations for gnTel". It contains a table with two columns: "Name of Internet Telephony Station" and "New Internet Telephony Station". An "Add" button is located in the top-left corner of the table area and is highlighted with a red box. At the bottom of the window, there are buttons for "Help", "Abort", "Back", and "OK & Next".

Click on "Add"

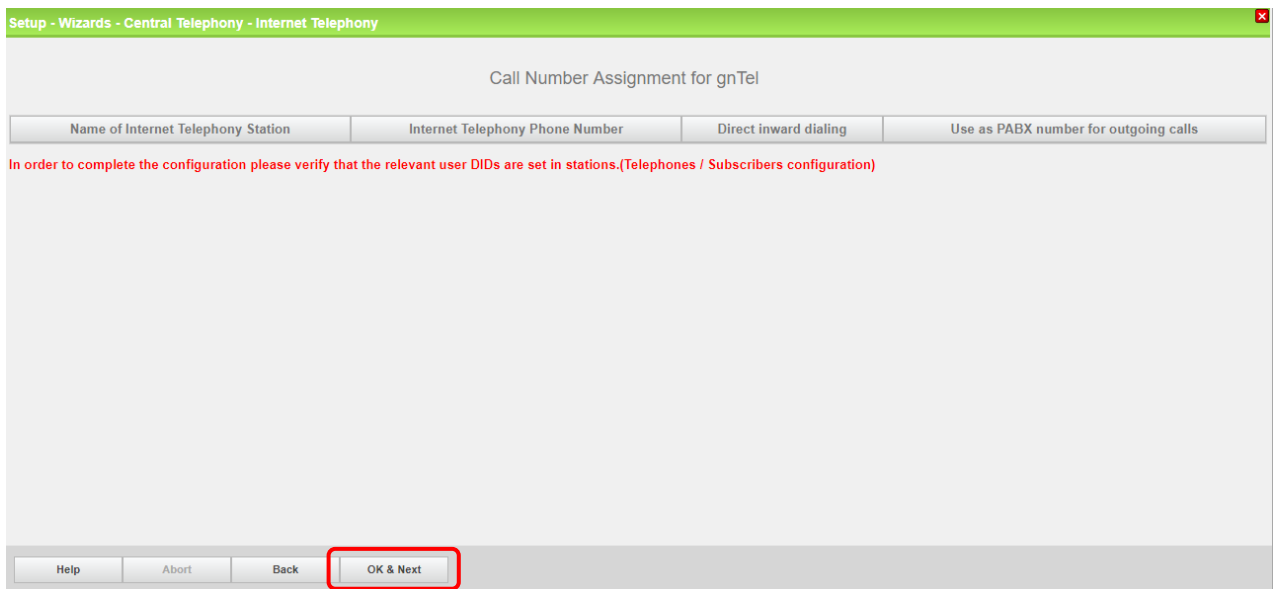
The screenshot shows the "Internet Telephony Station for gnTel" configuration dialog. It has several sections: "Internet telephony station:" with fields for "Internet telephony station:" (60000000), "Authorization name:" (60000000), "Password:" (masked), and "Confirm Password:" (masked). Below this is the "Call number assignment" section with a dropdown menu set to "Use public number (DID)". A red note below the dropdown says: "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 contains "+318221120". At the bottom, the "OK & Next" button is highlighted with a red box. The "Delete Data" button is also visible.

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

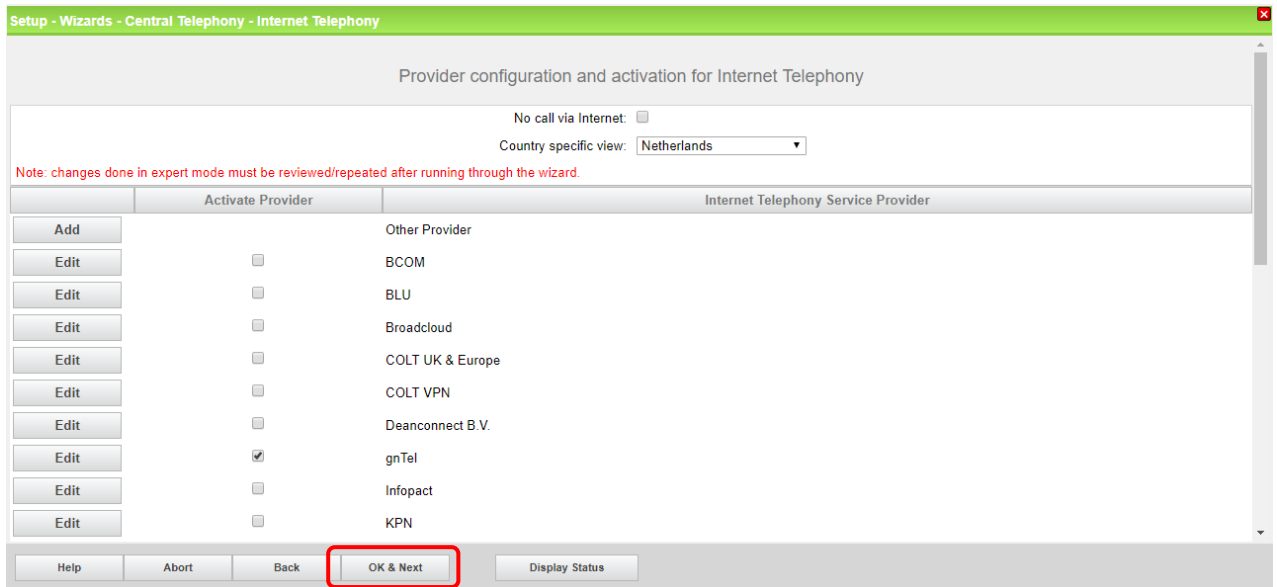
Click "OK & Next"



Click "OK & Next"

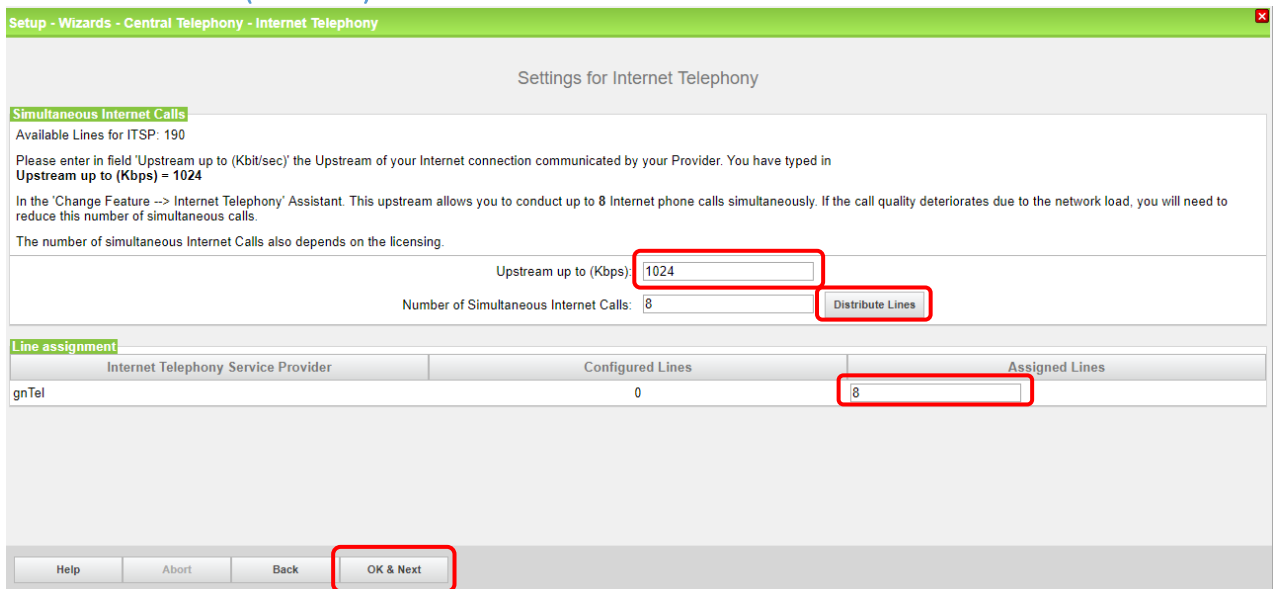


Click "OK & Next"



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	0C112	gnTel
2		gnTel
3		gnTel
4		gnTel
5		gnTel
6		gnTel
7		gnTel
8		gnTel
9		gnTel
10		gnTel
11		gnTel
12		gnTel
13		gnTel
14		gnTel
15		gnTel

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	User
gnTel	Enabled 6130029800 registered

Click "OK & Next"

Setup - Wizards - Central Telephony - Internet Telephony

Exchange Line Seizure

Exchange Line Seizure

Trunk Access Code: 0

Dial over Provider: gnTel.nl

Area Code

Please enter the local area code.

Local area code: 0 20

Help Abort Back **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”

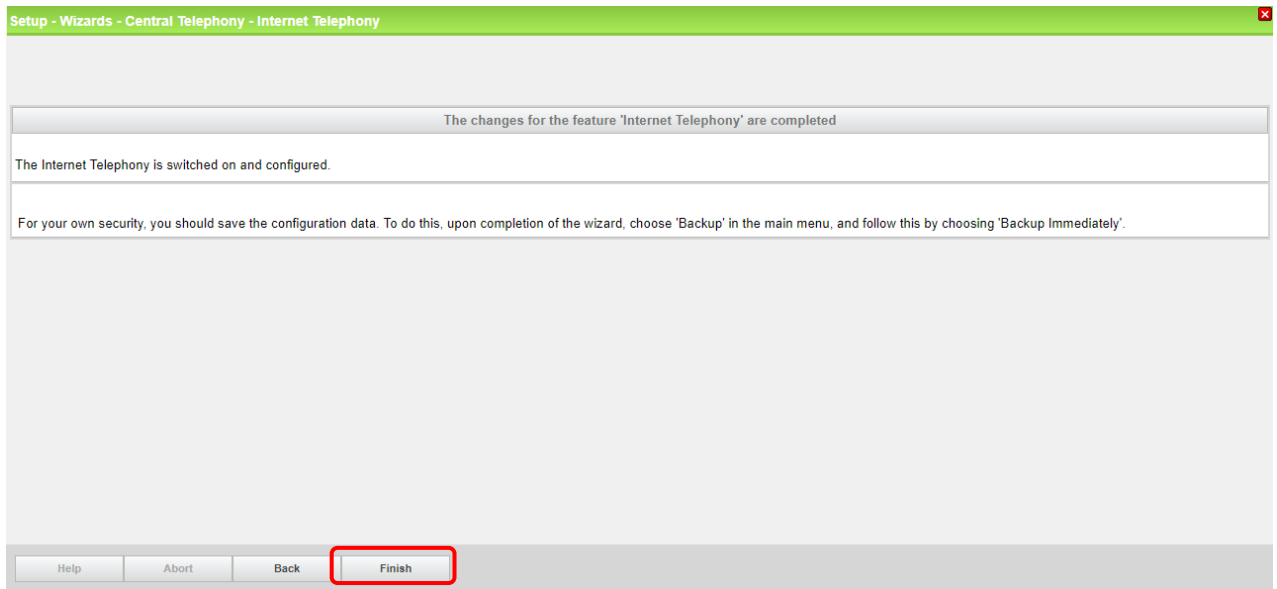
Setup - Wizards - Central Telephony - Internet Telephony

Seizure Code for the 'Outside line Seizure'

Seizure code for 'Outside line Seizure'	
gnTel	855

Help Abort Back **OK & Next**

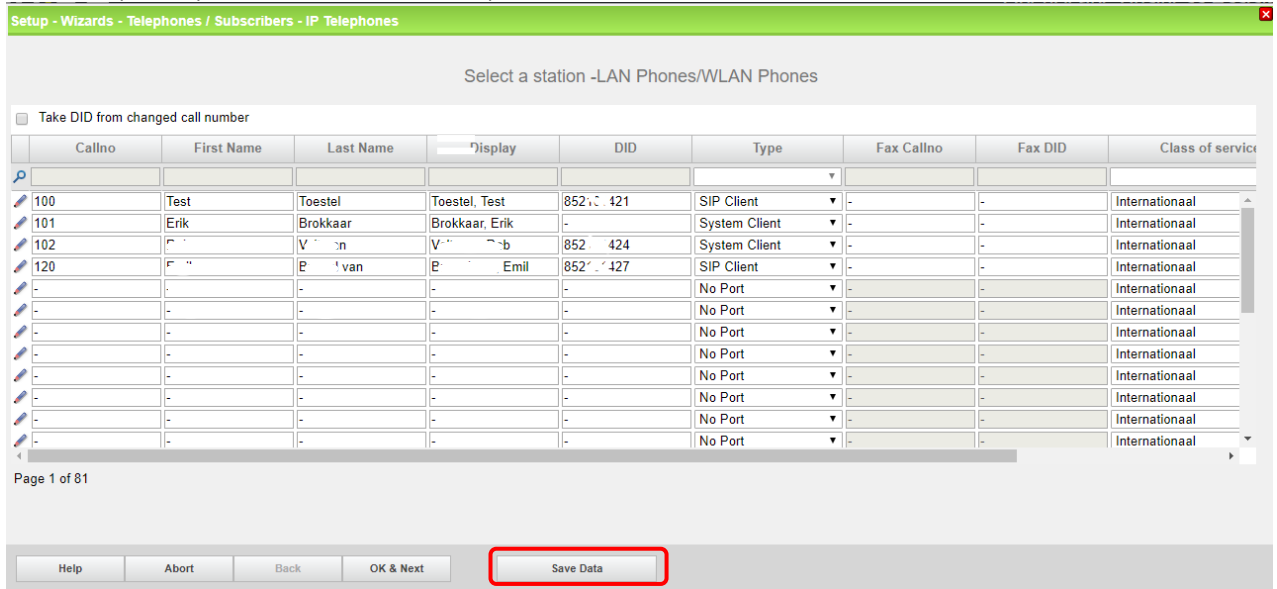
The Seizure code for the Outside line can be different (depends on the given value in base config).
Click “OK & Next”



Click "Finish"

DID Configuration

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



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