



OpenScape Business V2

How to configure gnTel Sip trunk

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## Table of History

Date	Version	Author	Changes
08.08.2017	1.0	EvB	
19-03-2018	1.1	EvB	Disabled Stun, Serveradres changed to voip.gntel.eu and support of call deflection (302)

## 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. The main content area displays 'Trunk account detail' for account code 617 123 30. Key fields are highlighted with red boxes: 'Account code' (617 123 30) and 'Password' (dQ6...vB8). Other visible fields include Context, Creation date (27 July 2017 10:24), 112 region (06), Call permissions (Fixed (vaste numbers), Mobile (mobiel)), Allowed IP range (0.0.0/0), and a list of phone numbers forwarded to this trunk. The interface also includes a search bar, navigation tabs (Overview, Staff users), and a sidebar with various menu items like Billing, Reseller Billing, and Customers.

## 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

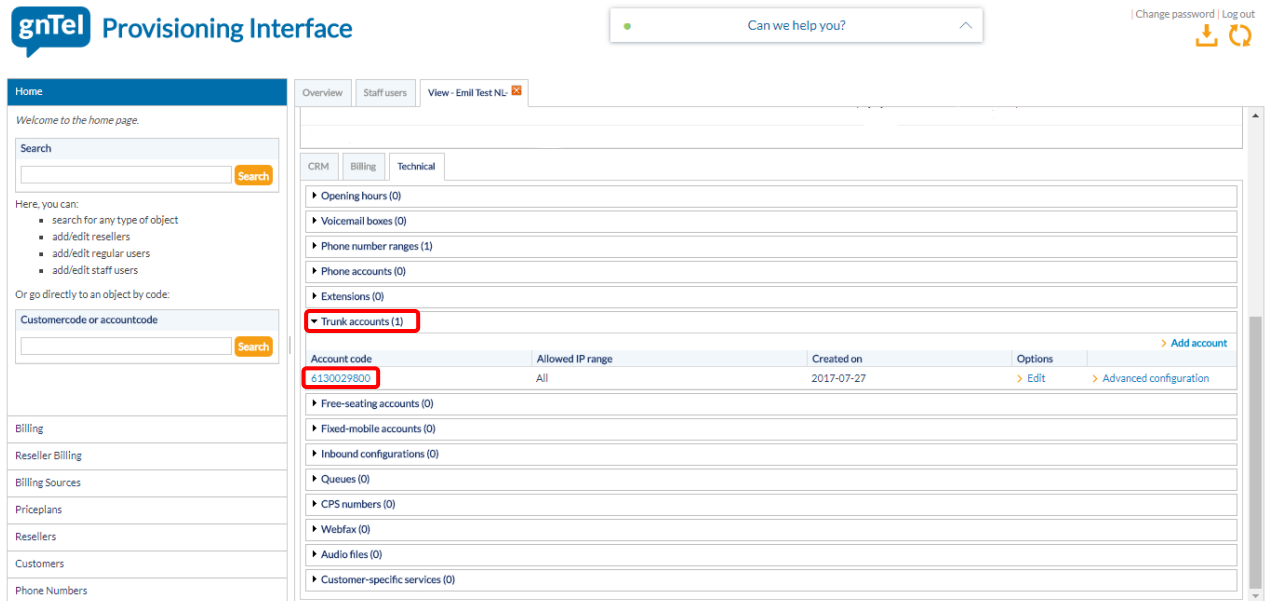
## Codecs

Video connections are not supported by OpenScape Business.

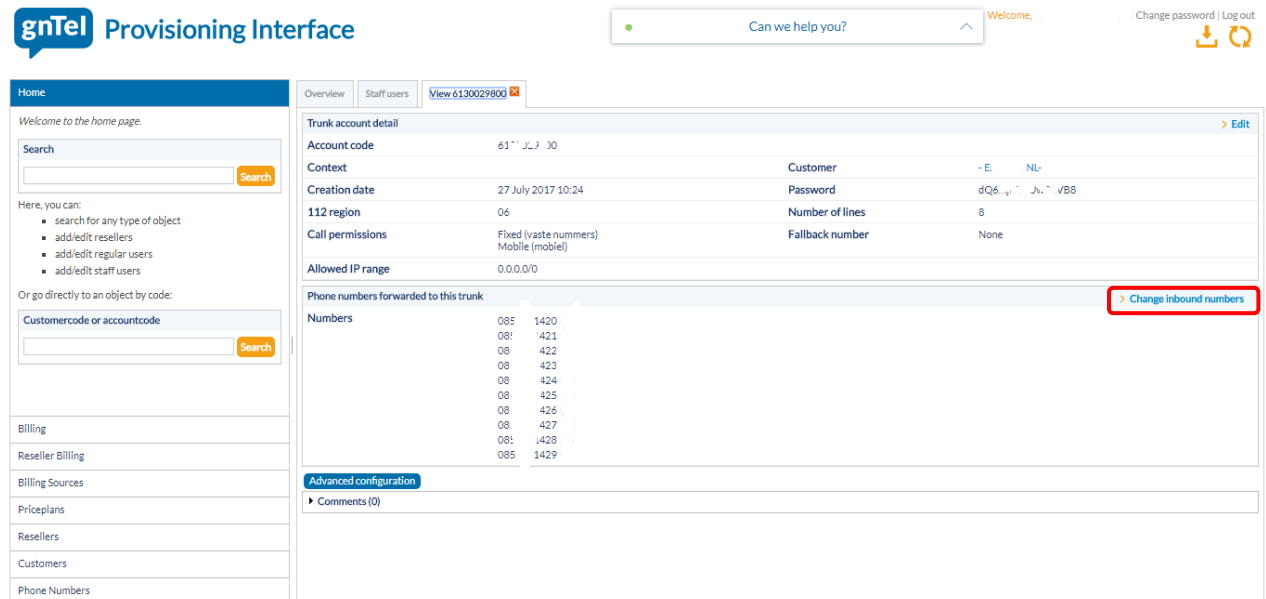
Codec	Netto Bitrate	Explanation
PCMA	64 kbit/s	G.711 A-law
PCMU	64 kbit/s	G.711 μ-law
G.729	8 kbit/s	One time licence fee / channel
H.263	Variable	Video Codec
H.264	Variable	Video Codec

# Provisioning Interface

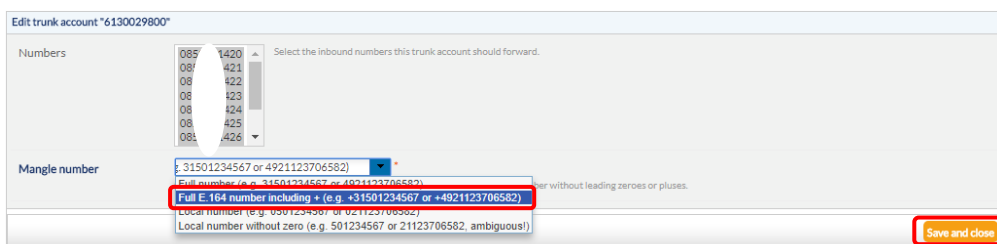
## Trunk Account Settings



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



Click on Change inbound numbers

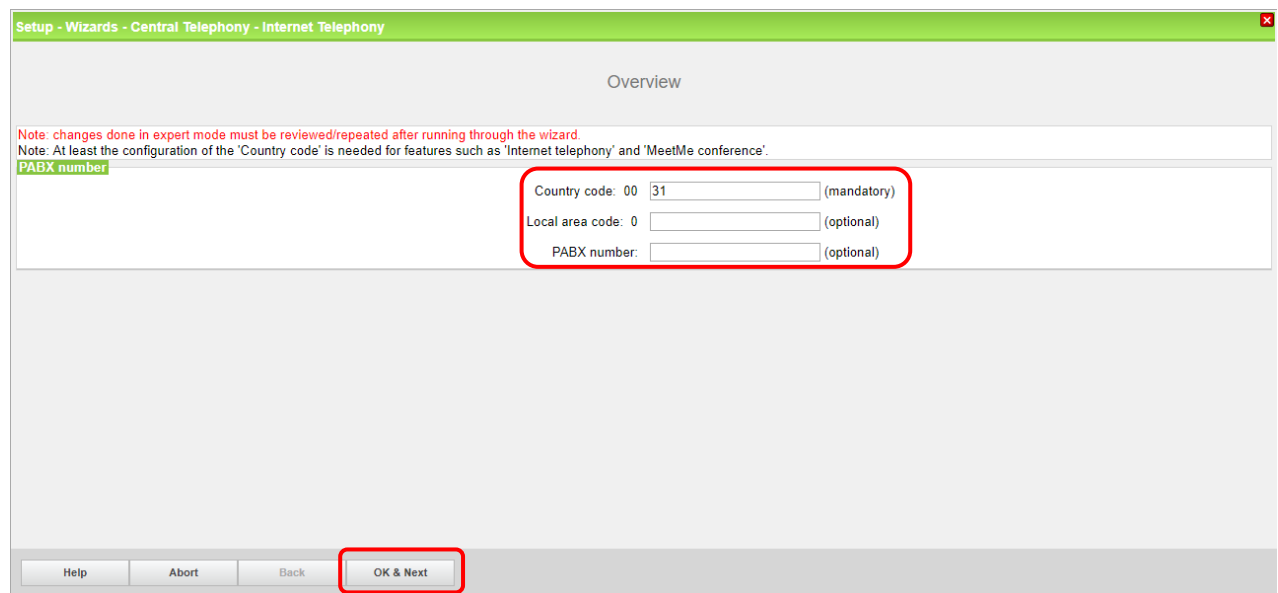
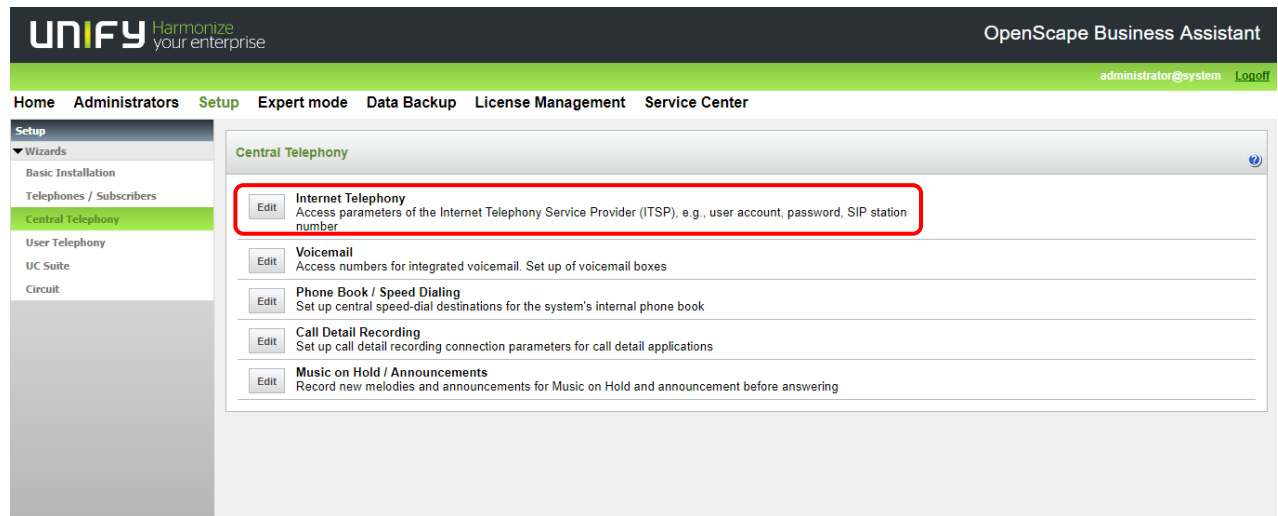


Change the Mangle number format -> Full E.164 number including +

# 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

	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
Edit	<input type="checkbox"/>	Infopact
Edit	<input type="checkbox"/>	KPN

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

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:

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 gnTel". At the top, there is a table with two columns: "Name of Internet Telephony Station" and "New Internet Telephony Station". Below the table, there is a large empty area. At the bottom, there are four buttons: "Help", "Abort", "Back", and "OK & Next". The "Add" button is highlighted with a red box.

Click on "Add"

The screenshot shows a dialog box titled "Internet Telephony Station for gnTel". It contains several fields and options:

- Internet telephony station: 6100100000
- Authorization name: 6100100000
- Password: .....
- Confirm Password: .....
- Call number assignment: Use public number (DID) (highlighted with a red box)
- ITSP-multiple route:
- Default Number: +3180111420 (highlighted with a red box)

Below the fields, 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!".

At the bottom, there are five buttons: "Help", "Abort", "Back", "OK & Next" (highlighted with a red box), and "Delete Data".

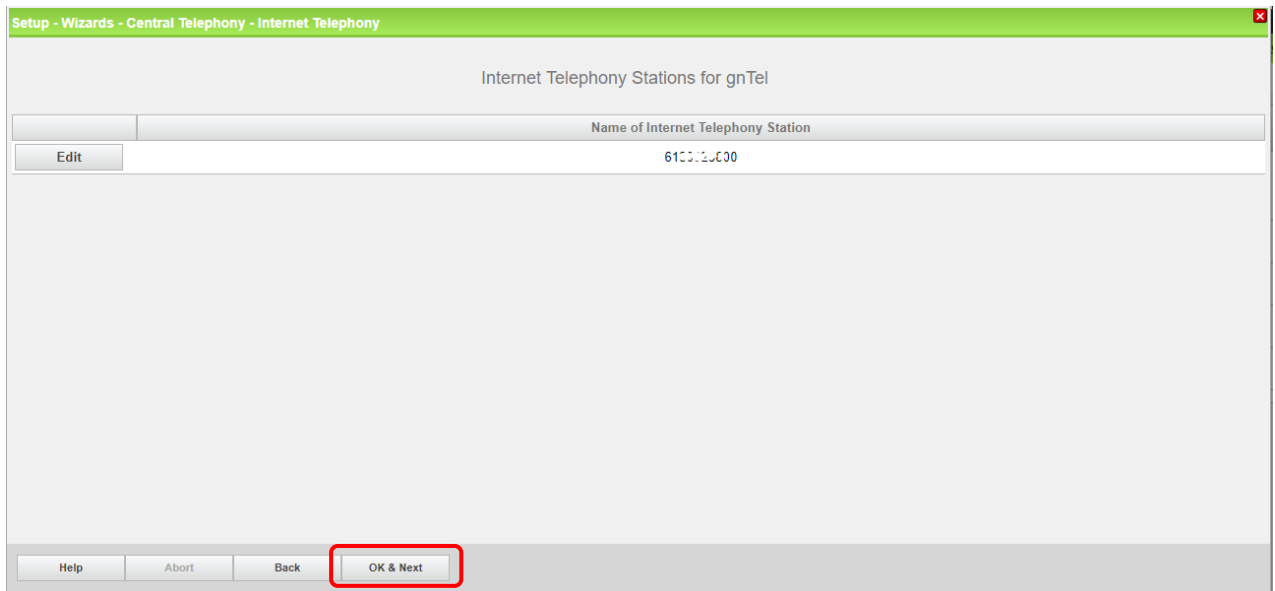
Internet telephony station: Account Code

Authorization name: Account Code

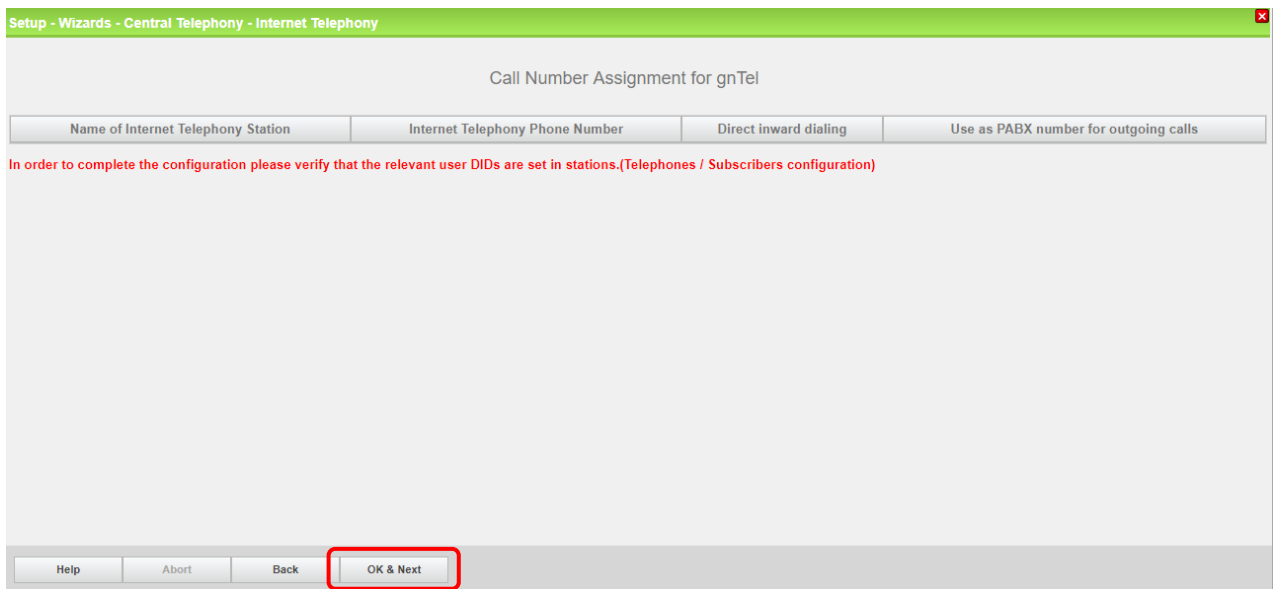
Password: Password

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"



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
Edit	<input type="checkbox"/>	Infopact
Edit	<input type="checkbox"/>	KPN

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

Click "OK & Next"

## Define bandwidth (# Trunks)

Setup - Wizards - Central Telephony - Internet Telephony

Settings for Internet Telephony

**Simultaneous Internet Calls**

Available Lines for ITSP: 190

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) = 1024**

In the 'Change Feature --> Internet Telephony' Assistant. This upstream allows you to conduct up to 8 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): 1024

Number of Simultaneous Internet Calls: 8 **Distribute Lines**

**Line assignment**

Internet Telephony Service Provider	Configured Lines	Assigned Lines
gnTel	0	8

Help Abort Back **OK & Next**

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	registered

Click "OK & Next"

Setup - Wizards - Central Telephony - Internet Telephony

### Exchange Line Seizure

**Exchange Line Seizure**

Trunk Access Code: 0

Dial over Provide: gnTel

**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”

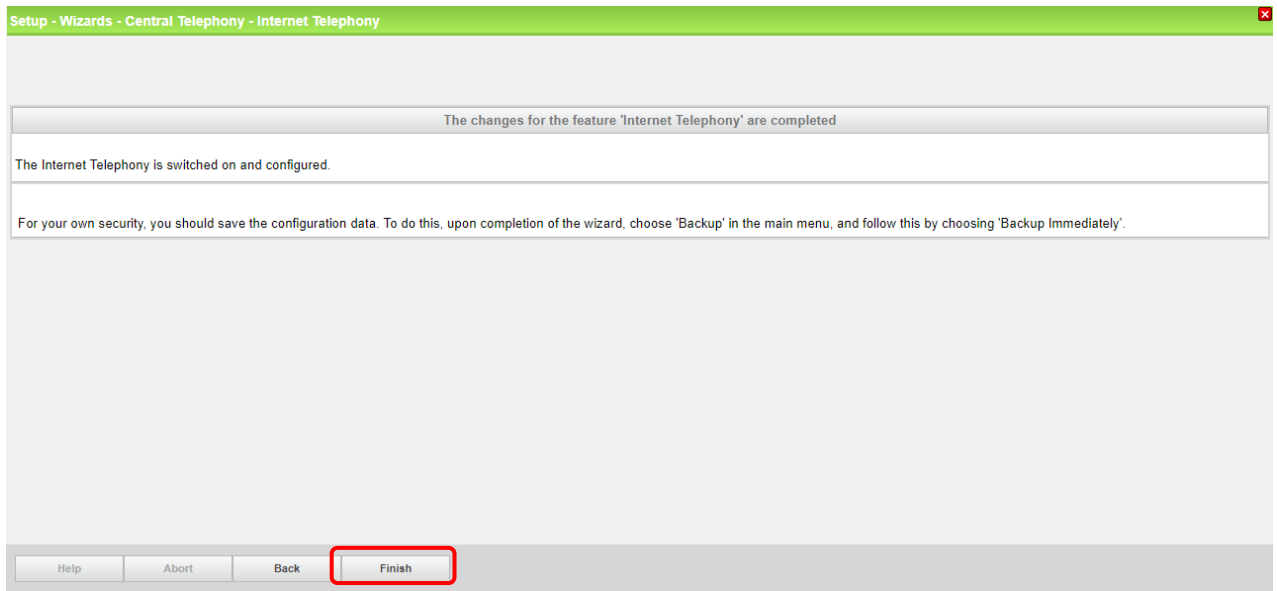
Setup - Wizards - Central Telephony - Internet Telephony

### Seizure Code for the 'Outside line Seizure'

Seizure code for 'Outside line Seizure'	
gnTel	855

Help Abort Back OK & Next

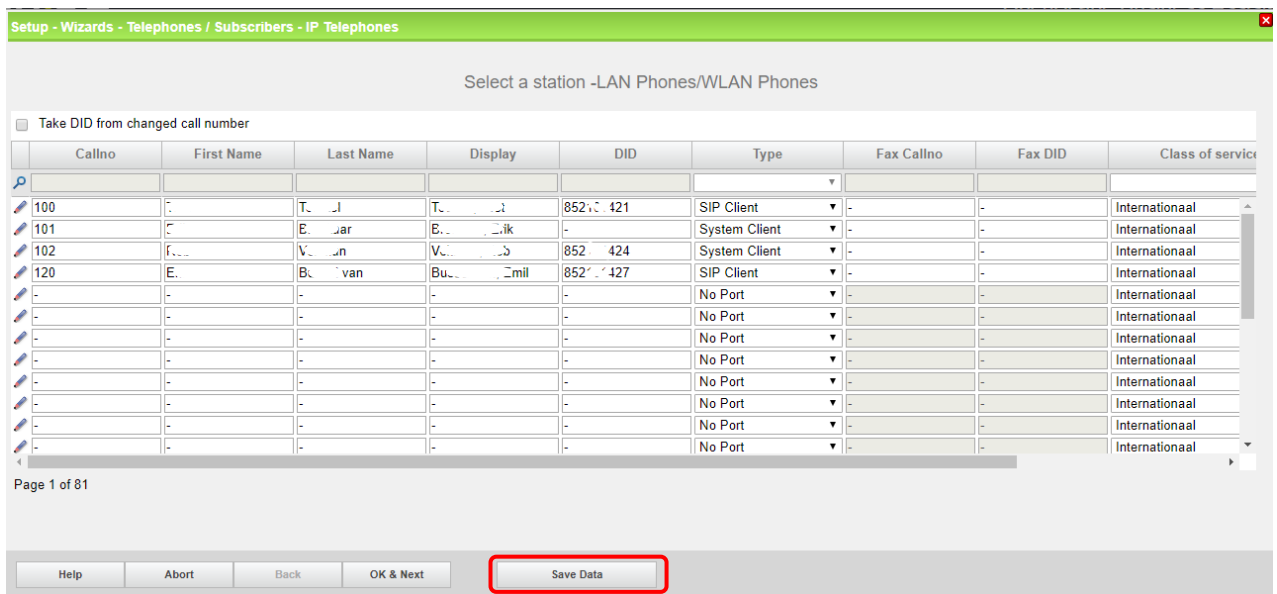
The Seizure code for the Outside line can be different (depends on the given value in base config).  
Click “OK & Next”



Click "Finish"

## DID Configuration

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



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