OpenScape Business

How to Configure SIP Trunk for IP Directions France

Table of Contents

Trunk Configuration Data provided by IP Directions 3
Network configuration 4
Configuration Wizard 5
Internet Telephony 5
Define bandwidth (# Trunks) 8
Special phone numbers 9
DID configuration 11
Mandatory configuration in Expert Mode 12
Port management 12
Codec Parameters 13
Known limitations and restrictions 13
Additional Configuration 13
License 13

Table of History

Date	Version	Changes
09.07.2019	1.0	First version for V2R7
10.09.2024	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.

Trunk Configuration Data provided by IP Directions

You receive two e-mails with relevant information to confiugre the SIP trunk.

The first mail providing information about

- your public IP
- the amount of simultanous calls
- main callnumbers
- server IP

Madame, Monsieur,

Vous trouverez ci-après les paramètres de l'interconnexion SIP que vous avez commandée :

NOM : **UNIFY_3**

Interfaces :

IP : **85.119.57.79:5060** (UDP), PRIORITE 100
-- : **Nombre maximum de communications simultanées : 4**
-- : Codecs : G729a, PCMA (G711a), PCMU (G711u), G723
-- : Fax : T38, Fallback PCMA (G711a)
-- : Voice Activity Detection automatic.
-- : Temps d'étalonnage (Ptime) : 20ms
-- : Numérotation : + et Indicatif Pays (CC) et Numéro National (NSN : *sans le 0 initial*)

Numéro de Désignation de l'Installation : **09702681**

Serveur :

IP : 128.140.150.200 (Public)

Documentation:
https://extranet.ipdirections.net/online/Documentation/Aide/Specifications%20dinteroperabilite%20passerelles%20SIP.pdf

Cordialement,

IP Directions

Service Production

production@ipdirections.net

0811097402 Service 0,15 € / appel + prix appel

The second mail providing information about all callnumbers assigned to your trunk:

Madame, Monsieur,

Vous trouverez ci-après les ressources de numérotation avez commandées pour votre client UNIFY :

Commande: **35879**, Ticket: 44735

Ressource de numérotation pour le client final: '**UNIFY**' à BEZONS (95870)

Prévue: **15/01/2019 00:00:00**

1 tranches, 3 SDA

NDI: 0970268120 (1 tranches / 3 SDA): residentiel

09702681 09702681. (3)

Commentaire:

Ces ressources seront activées dans les 24 heures.

Cordialement,

IP Directions

Service Production

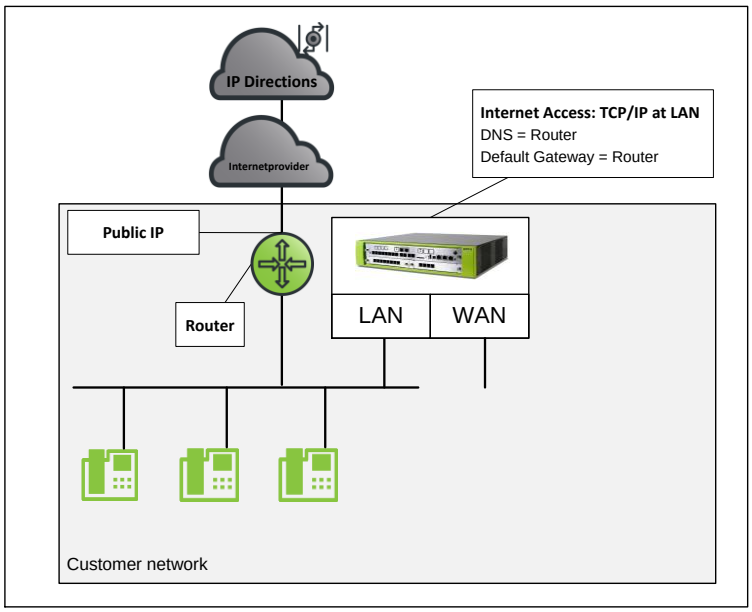
production@ipdirections.net

0811097402 Service 0,15 € / appel + prix appel

Network configuration

IP Directions allows SIP traffic from the public IP of your network only. Appropriate configuration of the router is necessary.

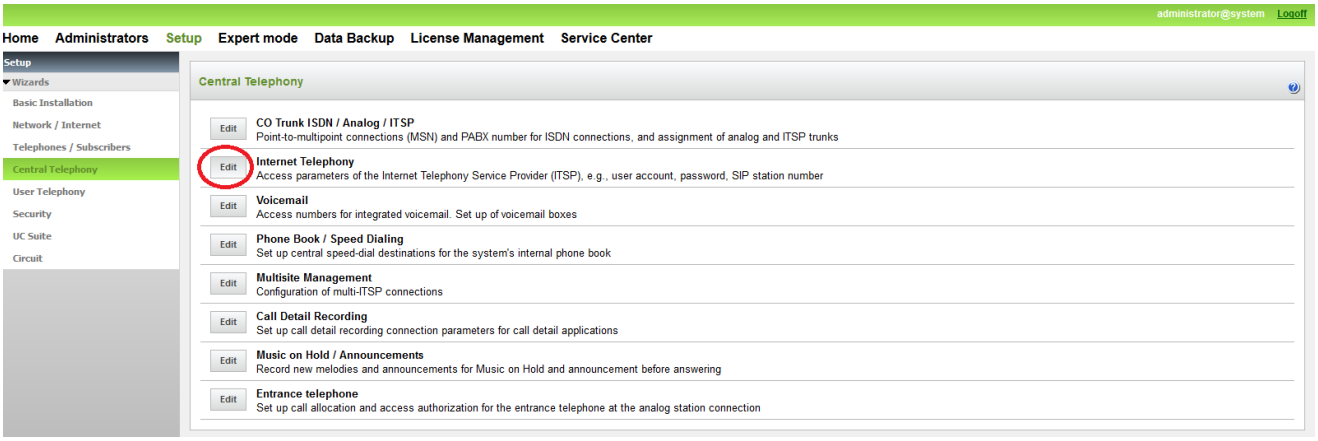
The following (simplified) network topology is used for the configuration in this document.



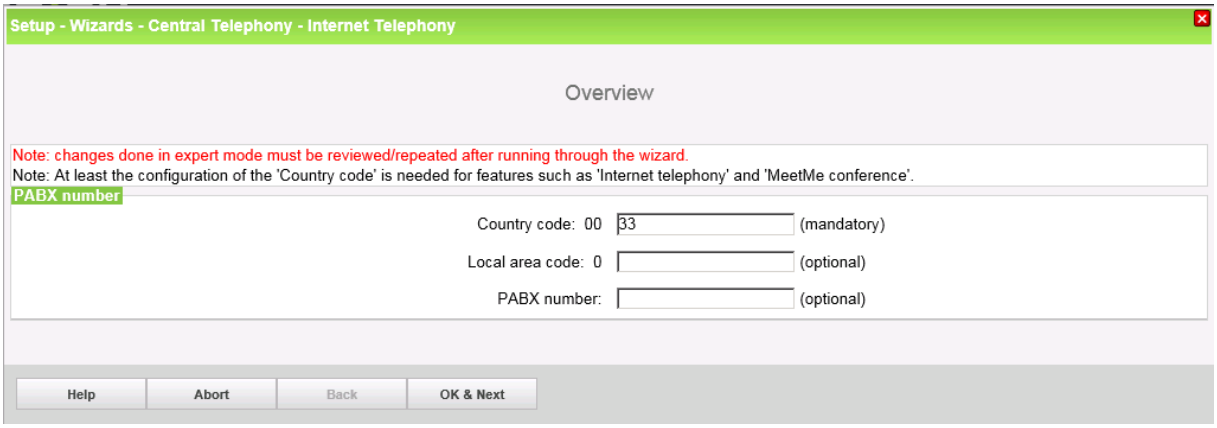
Configuration Wizard

Internet Telephony

Go to Central Telephony – “Internet Telephony“



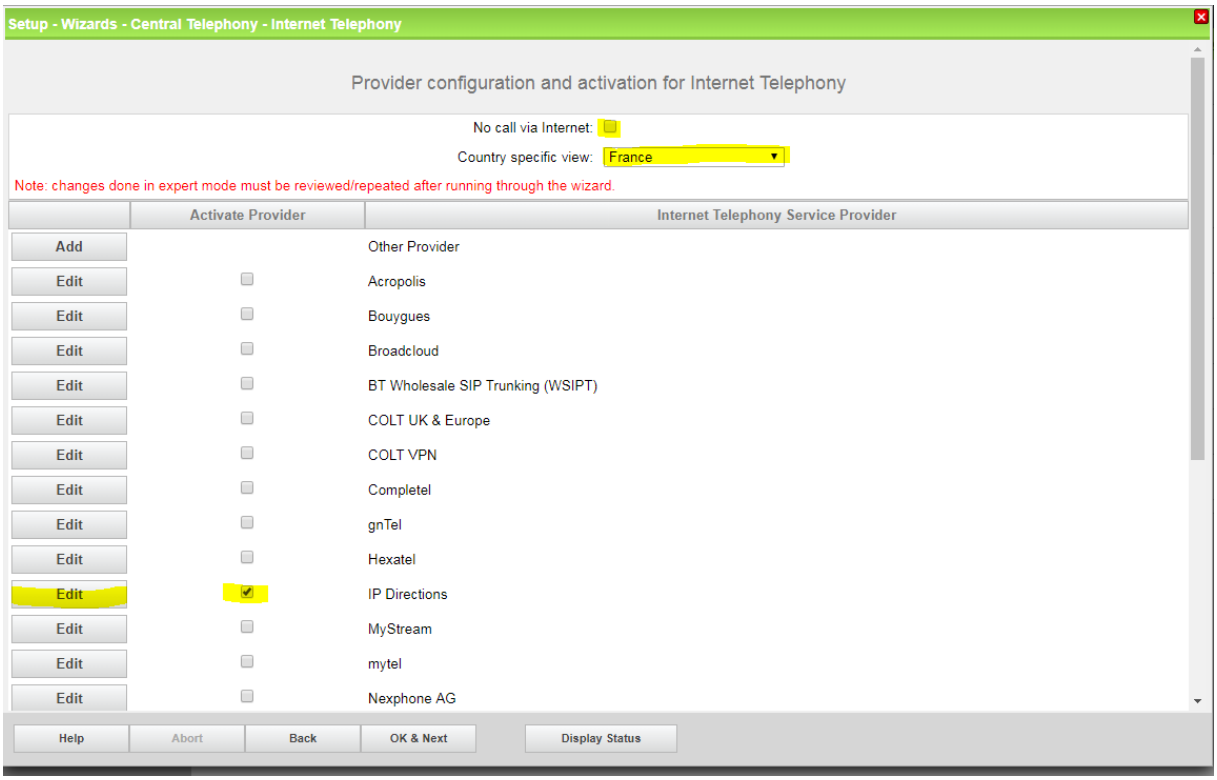
The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.



Click [OK & Next].

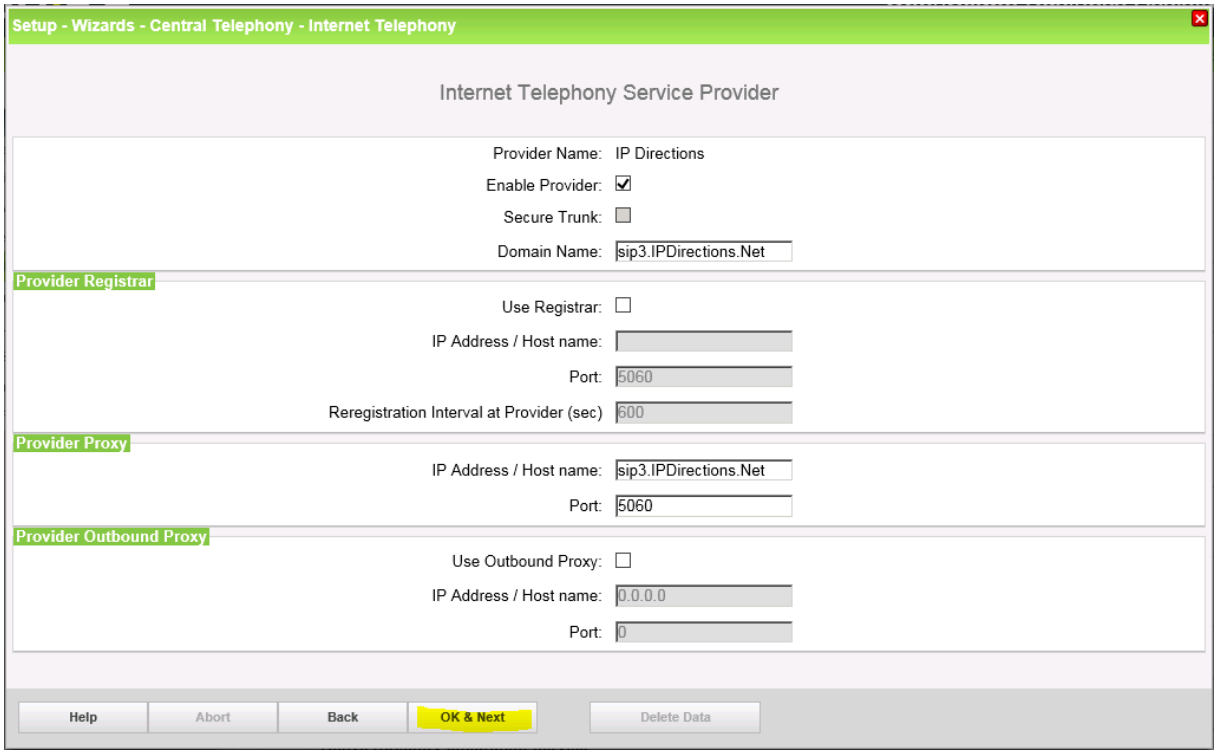
Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck

Use County specific view: France and select “IP Directions”.



Activate Provider and click on [Edit].

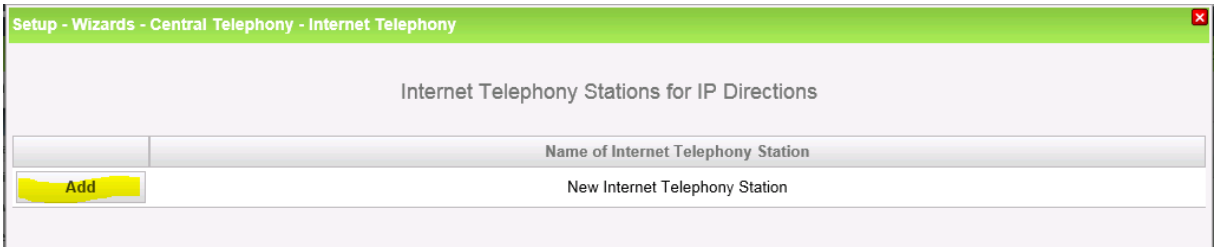
On the next page the server addresses are shown. All values are preconfigured, nothing has to be entered on this page:



If no DNS server is accessible replace **sip3.ipdirections.net** by **128.140.150.200**

Click [OK & Next].

In the next dialog the SIP User will be created:

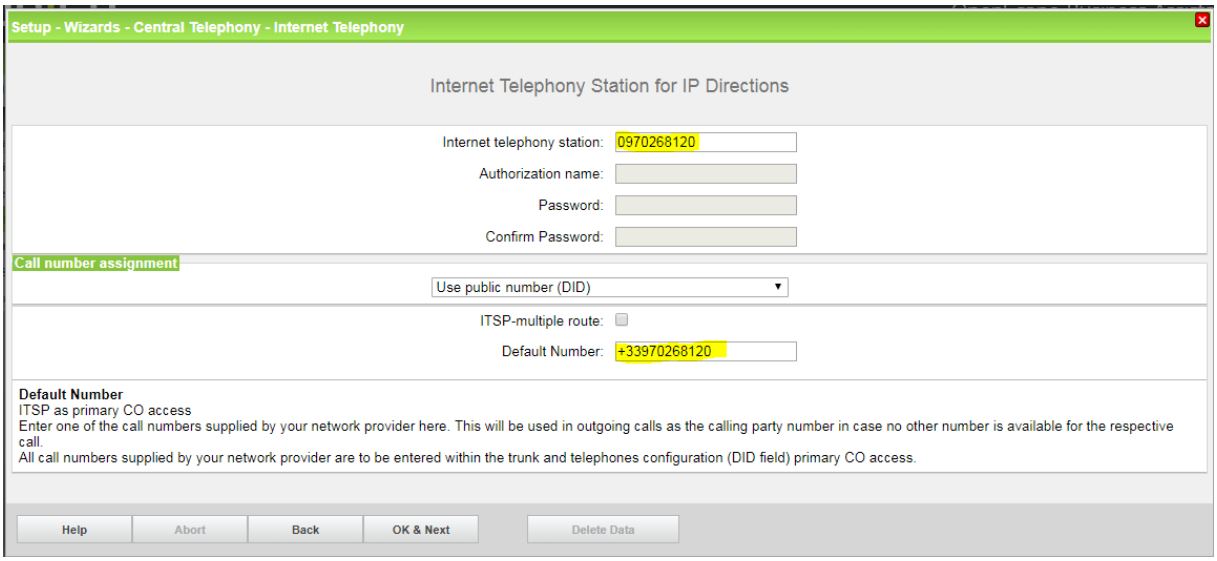


Click on [Add].

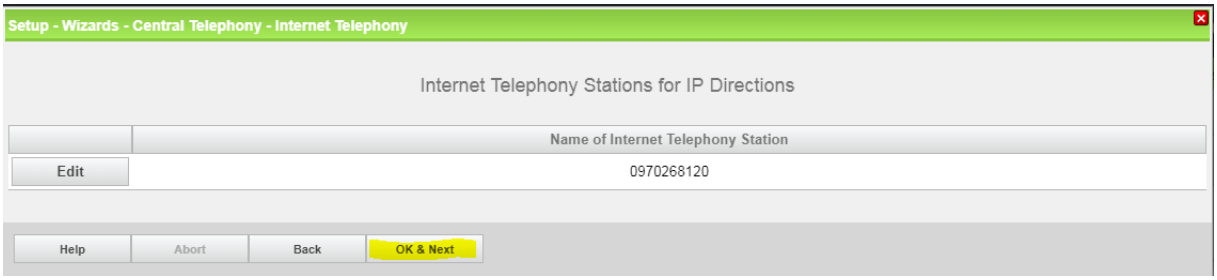
Please enter the following data:

Internet telephony station: a unique string representing the user (e.g. the NDI Number)

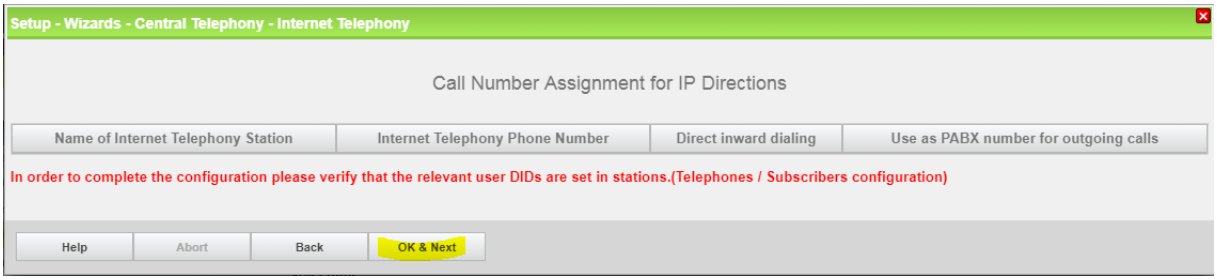
Default number: Main number of connection must be entered here in international E.164 format (+33…). Usually the **NDI** is entered here.



Enter the relevant data and click [OK & Next].

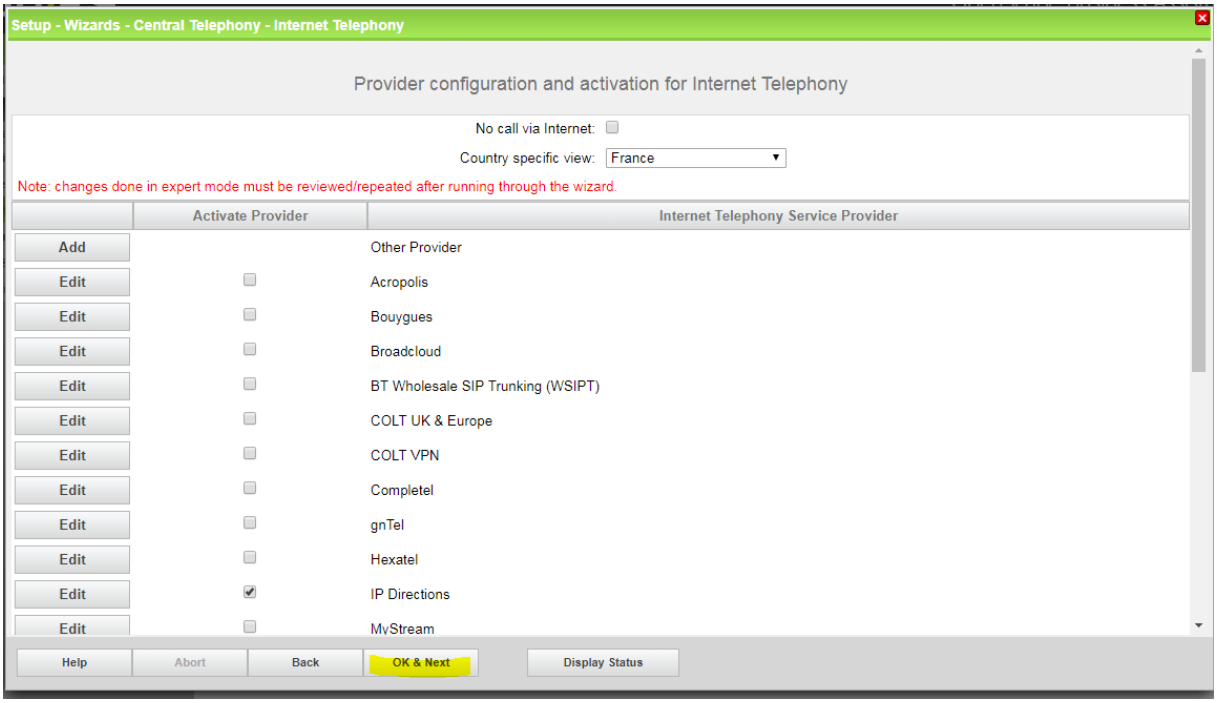


Click [OK & Next]



Click [OK & Next] (no input needed)

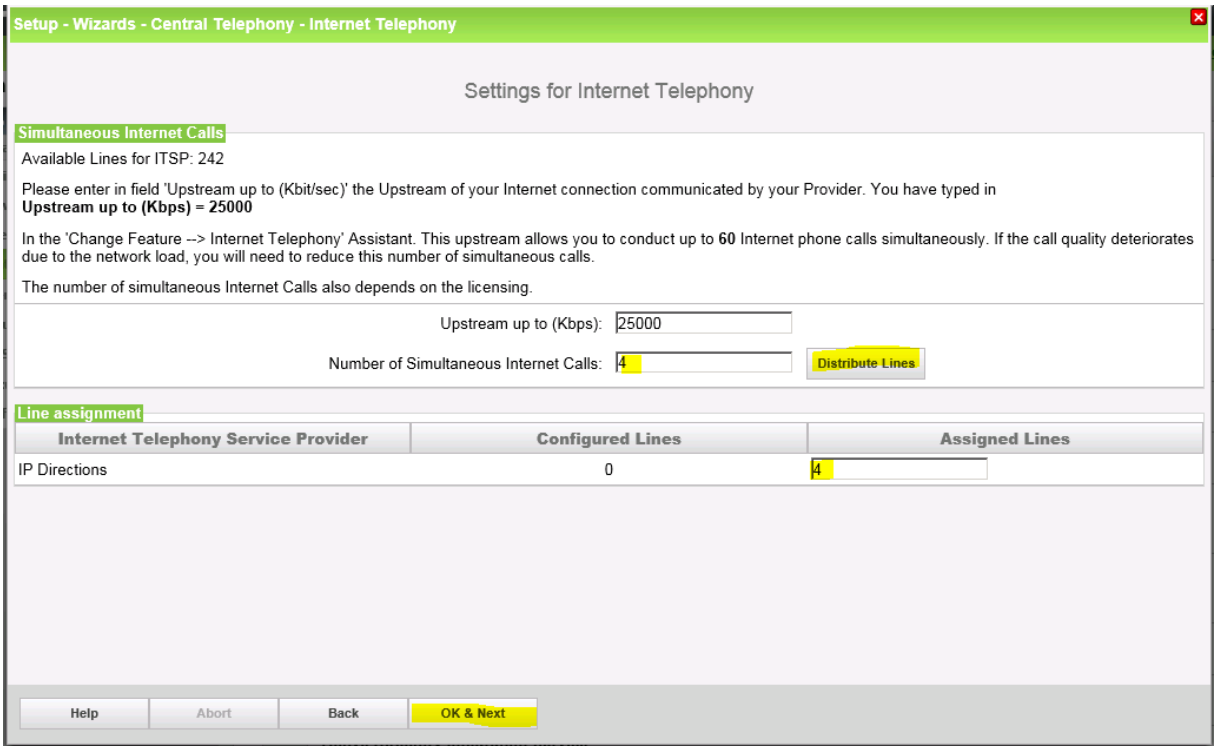
You will return to the overview page



Click [OK & Next]

Define bandwidth (# Trunks)

The amount of simultaneous Internet calls (**Assigned Lines**) must be aligned with the **Number of Channels** assigned by IP Directions.

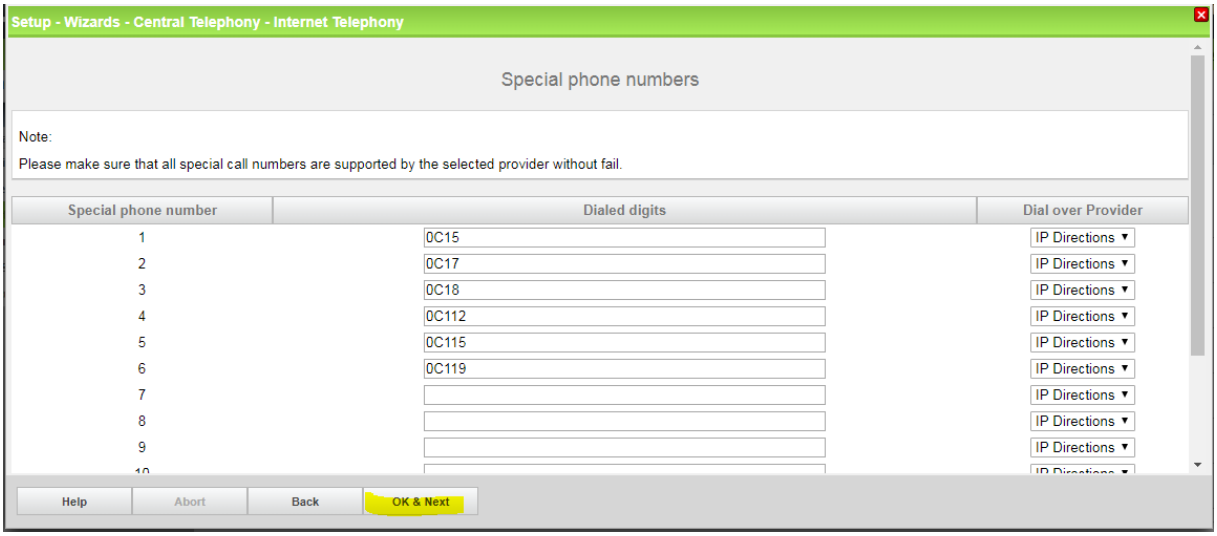


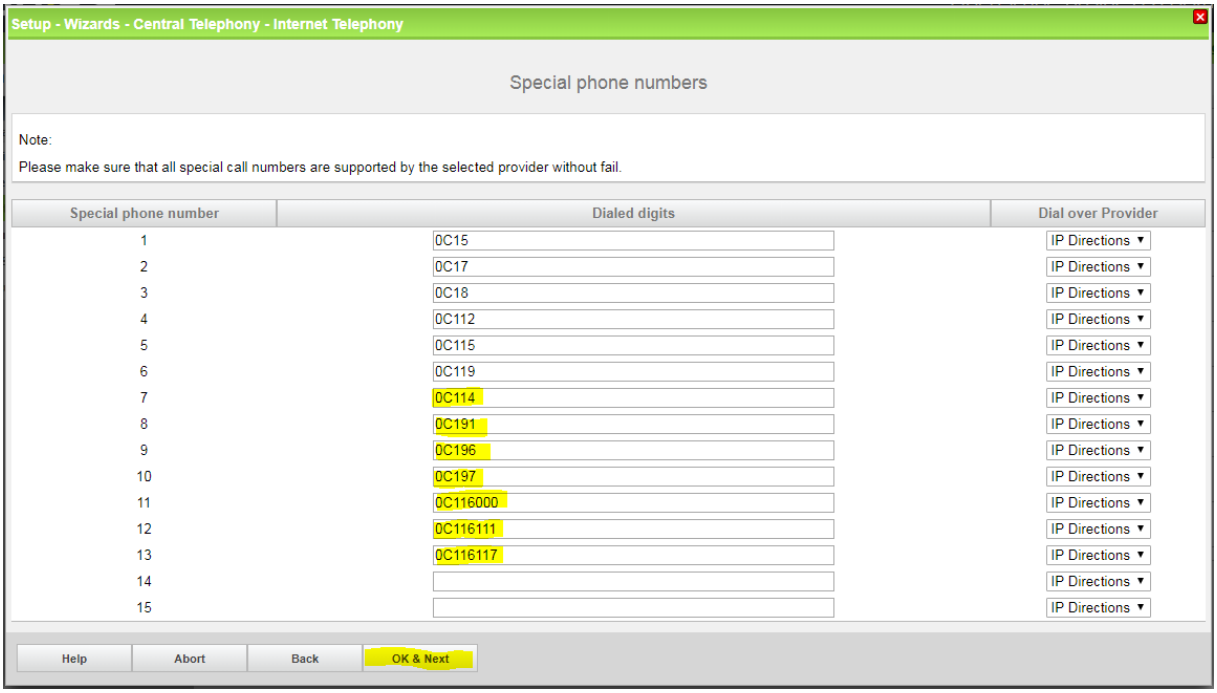
Click [OK & Next]

Special phone numbers

In this dialog it is possible to route special phone numbers

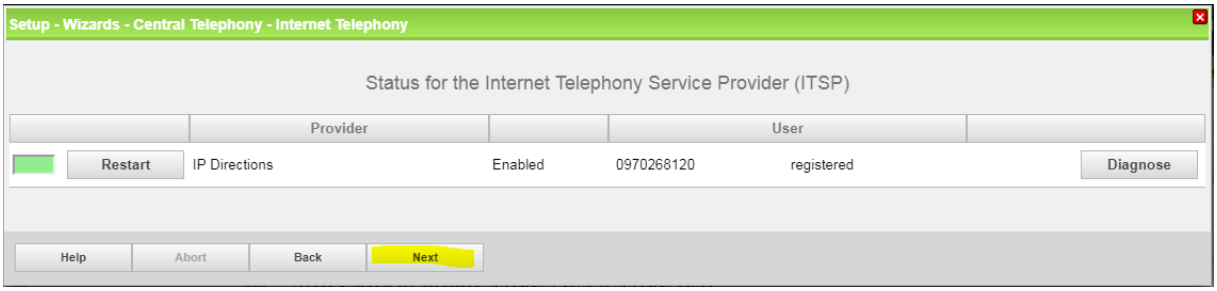
(add 114, 191, 196, 197, 116000, 116117 and 116111 if needed).





Click [OK & Next]

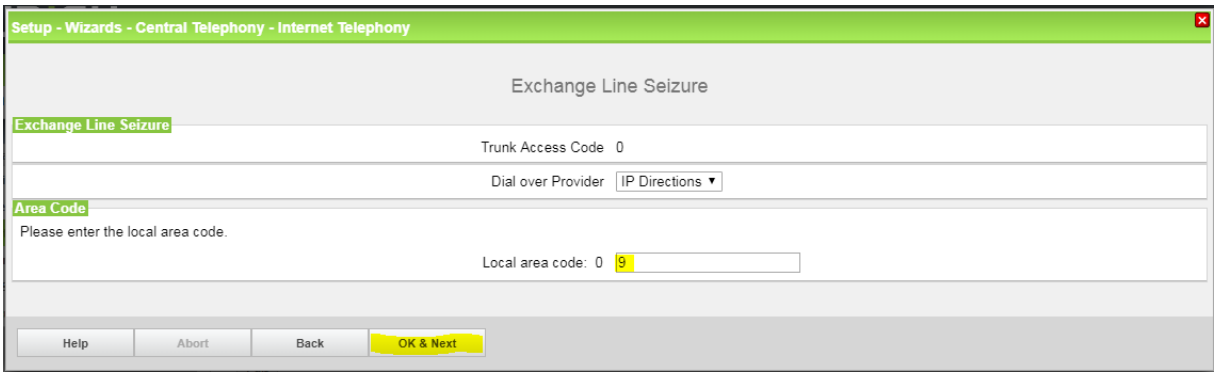
On next page status of ITSP is displayed.



Click [Next]

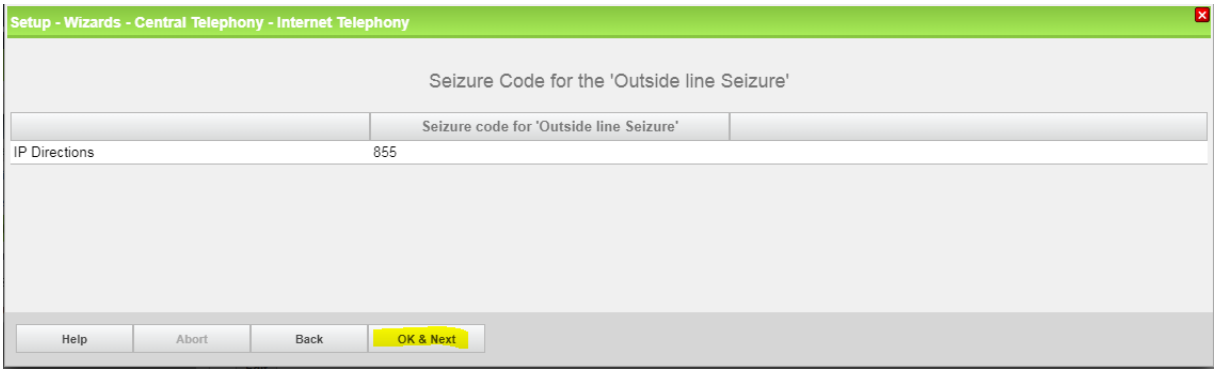
„Exchange Line Seizure“:

Select which trunk will access code 0 and enter your area code



Click [OK & Next]

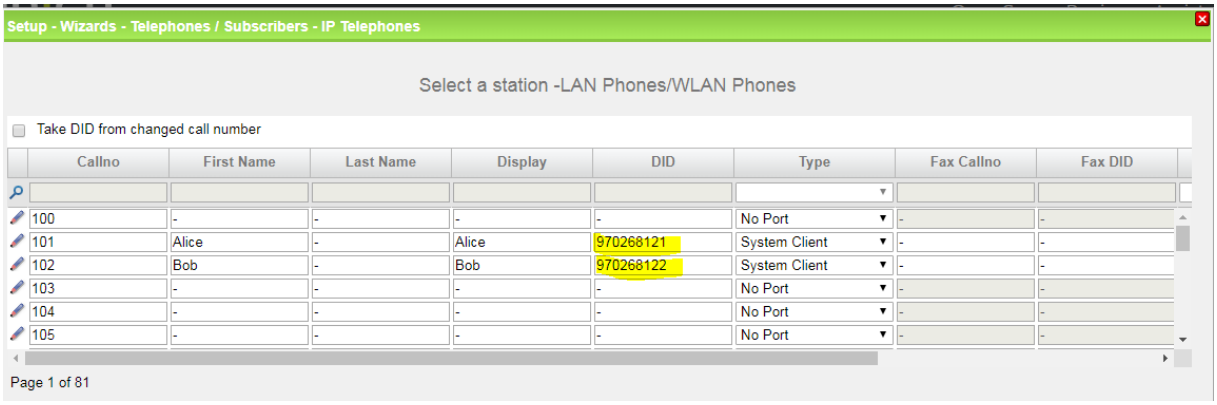
Overview with all configured „Outside line Seizure“ are displayed.



Click [OK & Next] and on the next page [Finish]

DID configuration

In the DID Section, the full DID will need to be entered.



Mandatory configuration in Expert Mode

The following setting must be checked and changed

- SIP port configuration
- T.38 must be disabled in system

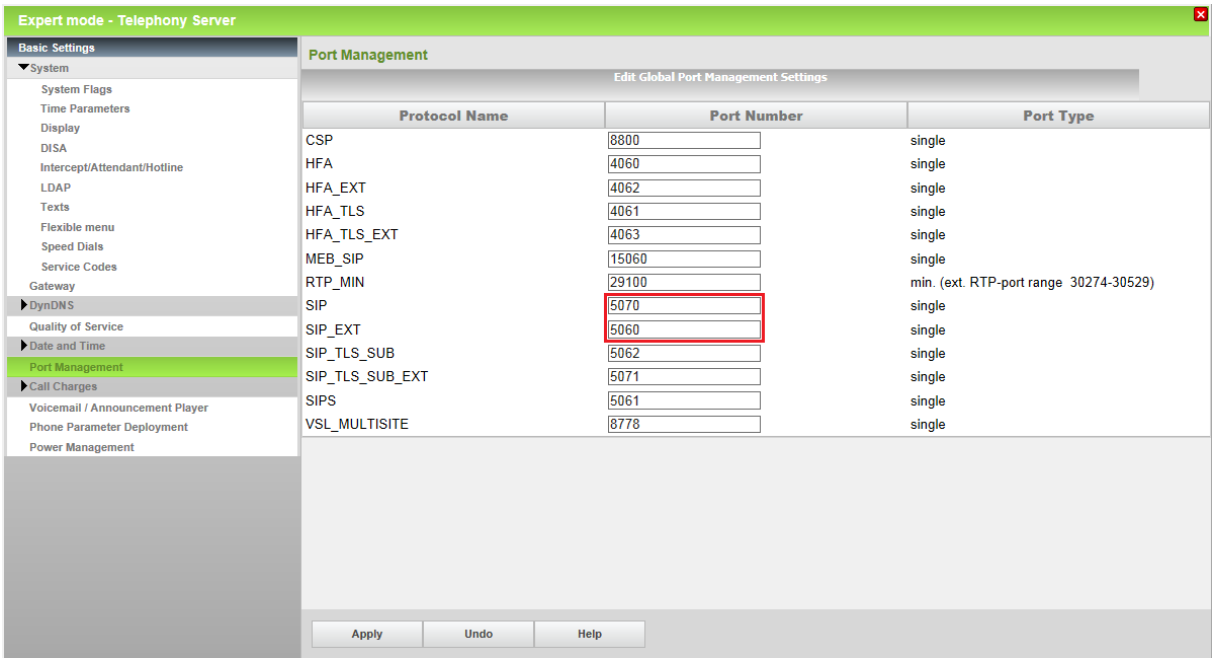
Port management

IP Directions allows traffic from the public port 5060 only. As OpenScape Business has port 5070 as default for internet connections you must either

- Configure appropriate port forwarding in your router (internal 5070 to external 5060)
- Change the default port in OpenScape Business

  Go to Expert Mode → Telephony Server → Port Management

  Change EXT_SIP port to 5060 (default is 5070).



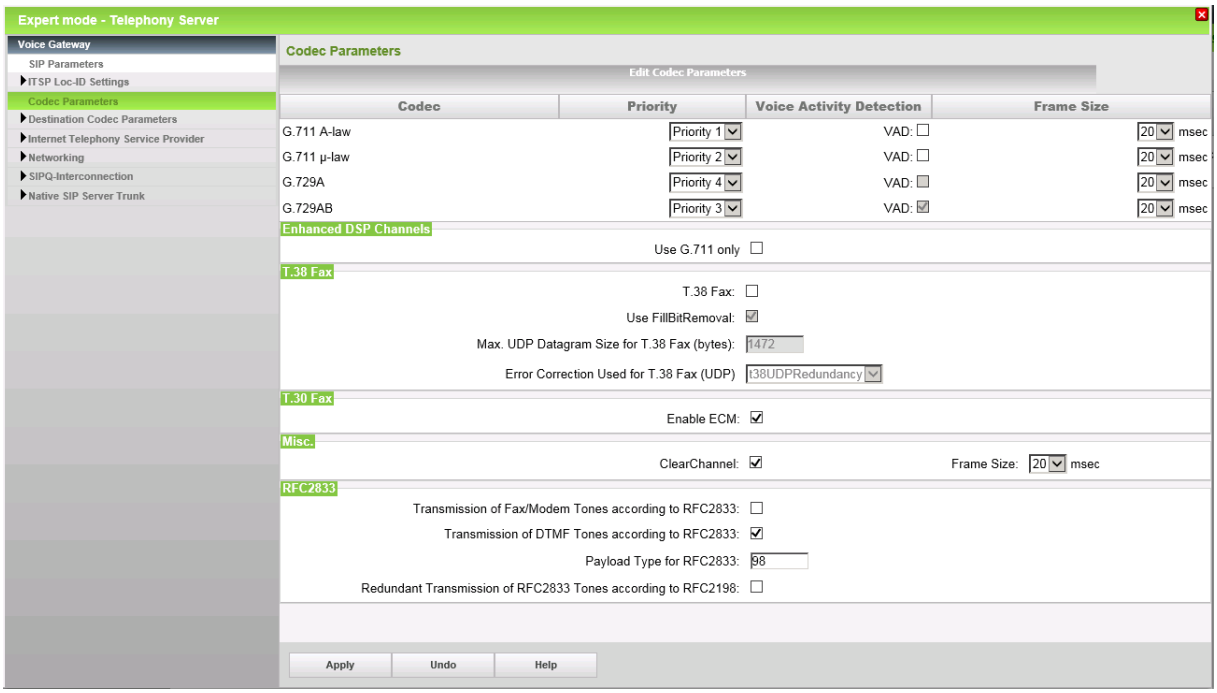
The internal SIP port should be set to a different port (e.g. 5070). Having internal and external port with the same value is possible but may lead to significant security risks.

After the ports are changed OSBiz **MUST** be restarted.

Codec Parameters

Go to Expert Mode → Telephony Server → Voice Gateway → Codec Parameters

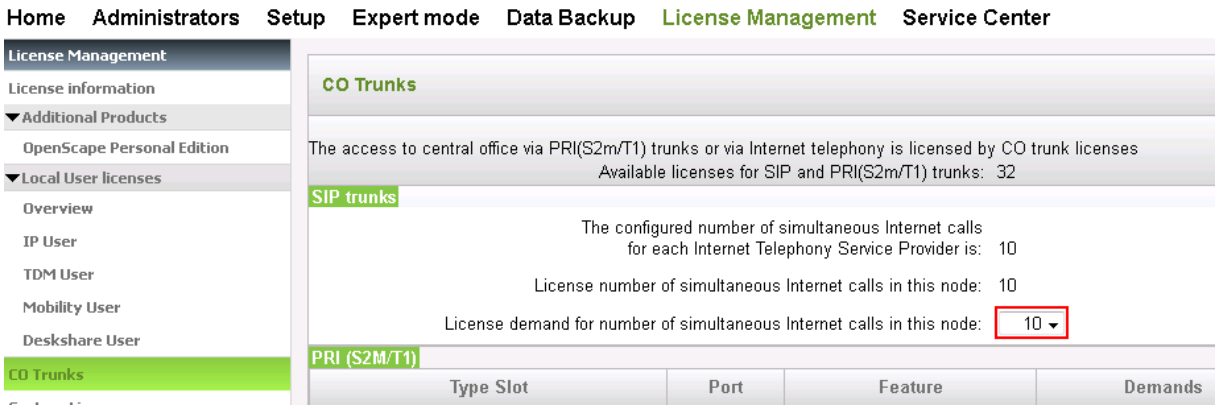
Due to T.38 interoperability issues Fax is supported via G.711 only. For this reason you MUST disable T38 protocol.



Known limitations and restrictions

T.38 MUST be deactivated in the OpenScape Business system
Due to interoperability issues UC-Fax is not released with IP-Directions

Additional Configuration

License

Add the "S2M/SIP Trunk" license to the SIP-Trunk