



OpenScape Business V3

How to: configure SIP Trunk for Dstny France

About this document

This configuration guide describes an example of how to set up the SIP trunk **Dstny France** as an ITSP connection to the OpenScape Business.

Note: The basis for this document is the current OpenScape Business V3R3. 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.

System	OpenScape Business
Released with Version	V3R3
Dstny France	Features & Capabilities
Account (DID/Client)	<i>DID</i>
Multisite	<i>yes – single and dedicated trunk</i>
CLIP / CLIR	<i>yes / no</i>
CLIP no Screening	<i>yes</i>
COLP	<i>no</i>
Call Forwarding (302)	<i>no</i>
DTMF (RFC2833/4733)	<i>yes</i>
Codecs G711/G729	<i>yes / no</i>
T.38 Fax	<i>no</i>
Secure trunk	<i>no</i>

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Table of History

Date	Version	Changes
12.09.2023	1.0	release <i>Dstny France</i> SIP-Trunk with OpenScape Business V3R3
11.12.2023	1.1	update logo

Information

The **Dstny France** SIP-Trunk will be released for the first time with OpenScape Business V3R3.

Trunk Configuration Data provided by Dstny

The configuration data needed to setup the SIP trunk

- can be found on the login web page of **Dstny**
<https://home-openip-certification.extranet.mydstny.fr/Universe>

Dstny must send to the technician/customer the credentials for login in their Web Page. Within it are the necessary parameters for the client-specific configuration for ITSP

Parameterization / Monitoring

Trunk SIP NPV 001

List of services / [SER347098] Trunk SIP NPV 001

Details

Advanced Setup

Safety parameterization

Number management

Monitoring

Service Information

Service ref.	XXXXXXXXXX
Website	CLICHY
NDI number	XXXXXXXXXX
Number of associated numbers (excluding NDS)	4
Service Designation Number	XXXXXXXXXX
Simultaneous calls	8 / 4
Communication Protocol	UDP
Ref. contracted offer	XXXXXXXXXX
Ref. contracted product data sheet	FPC428301
Service Status	Active

Real time information

technical condition	Connected
User system	OpenScape Business MST SIP Stack/4.2.30.338
IP address used	XXXXXXXXXX:49660
Last Login	09/06/2023 11:36:20
Current Calls	NC

Login information

login URL	voip03.myopenip.fr
Login ID	XXXXXXXXXX
Password

Configuration Wizard

Internet Telephony

Go to Central Telephony – “Internet Telephony”

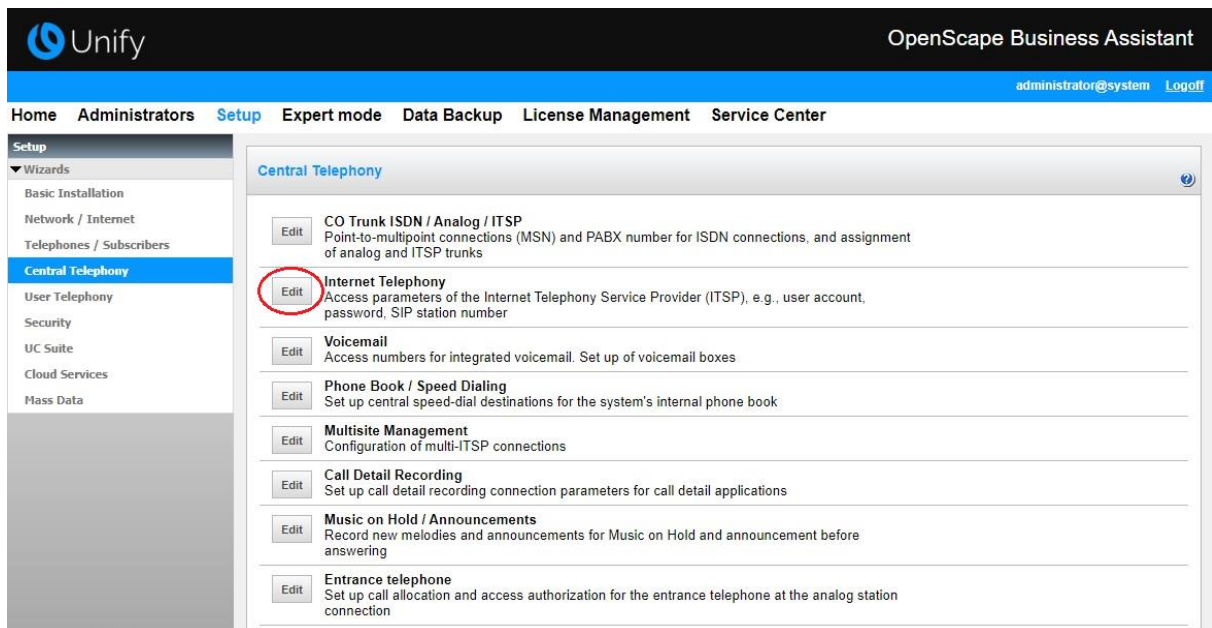


Figure 1

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

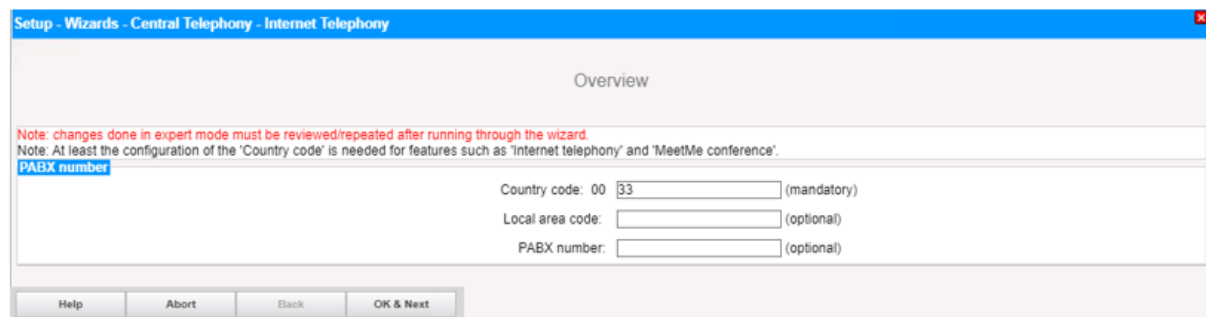


Figure 2

Click [OK & Next].

Provider configuration and activation for Internet Telephony

- No call via Internet -> **unchecked**
- Use County specific view: **France** and select **Dstny France**

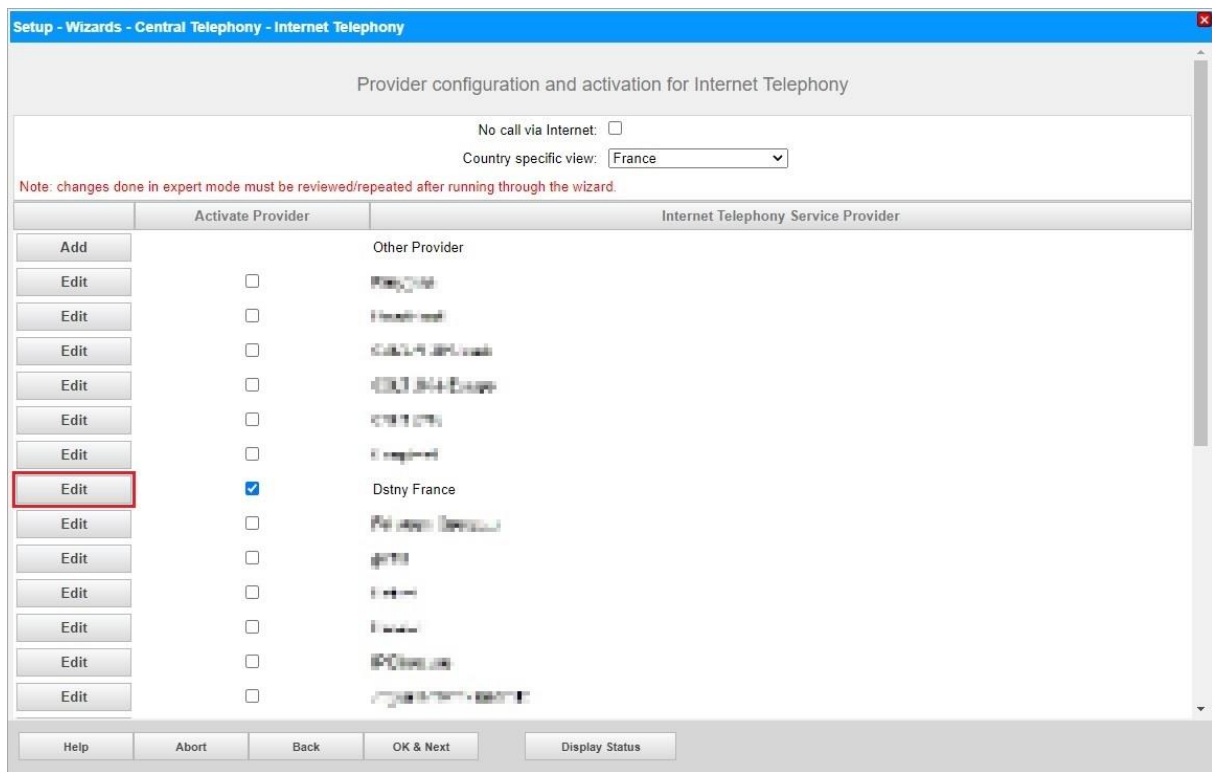


Figure 3

Activate Provider and click on [Edit].

On the next page you must enter the following information.

Domain Name, Provider Registrar and the Provider Proxy:
provided by **Dstny France** via Web page (Login URL)

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Service Provider

Provider Name: Dstny France
Enable Provider: ☒
Secure Trunk: ☐
Domain Name: myopenip.fr

Provider Registrar

Use Registrar: ☒
IP Address / Host name: myopenip.fr
Port: 5060
Reregistration Interval at Provider (sec): 600

Provider Proxy

IP Address / Host name: myopenip.fr
Port: 5060

Provider Outbound Proxy

Use Outbound Proxy: ☐
IP Address / Host name: 0.0.0.0
Port: 0

Help Abort Back OK & Next Delete Data

Figure 4

Click [OK & Next].

In the next dialog the specific customer SIP user data will be configured.

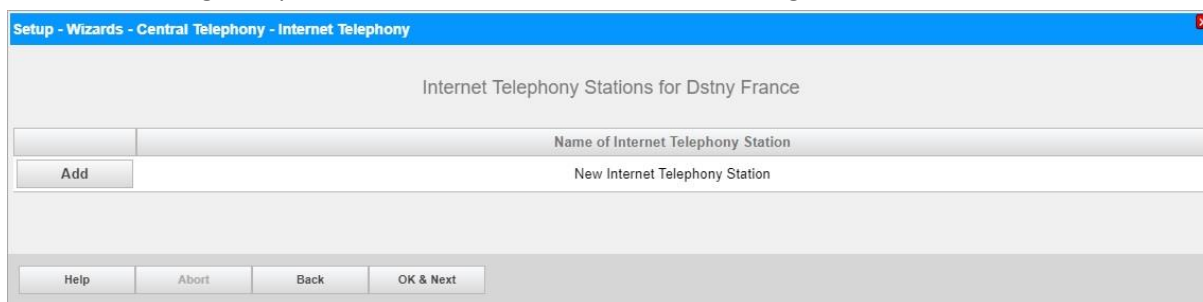


Figure 5

Click on [Add].

Data provided by the **Dstny France** via web page

Internet telephony station: Username is inserted here. Login ID information of **Dstny**

Authorization name: Username is inserted here. Login ID information of **Dstny**

Password: Password provided by **Dstny**

Default number: Main number of connection. The default number is used as outgoing number when no DDI number is assigned to a station. (e.g: 973791591). Usually the **Lead Number** is entered here.

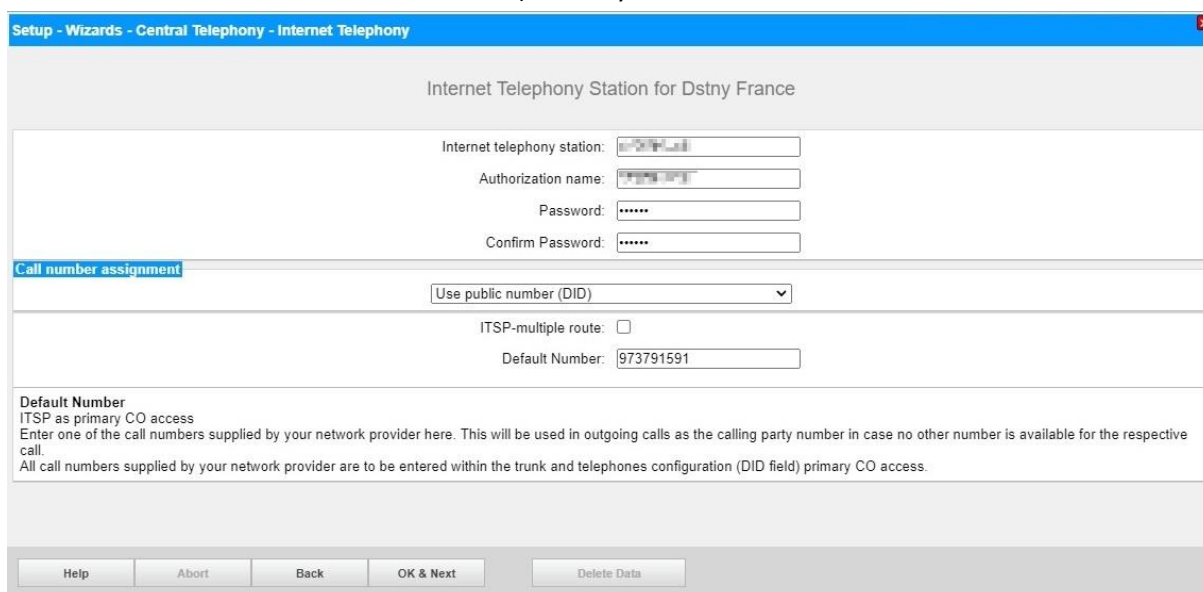


Figure 6

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

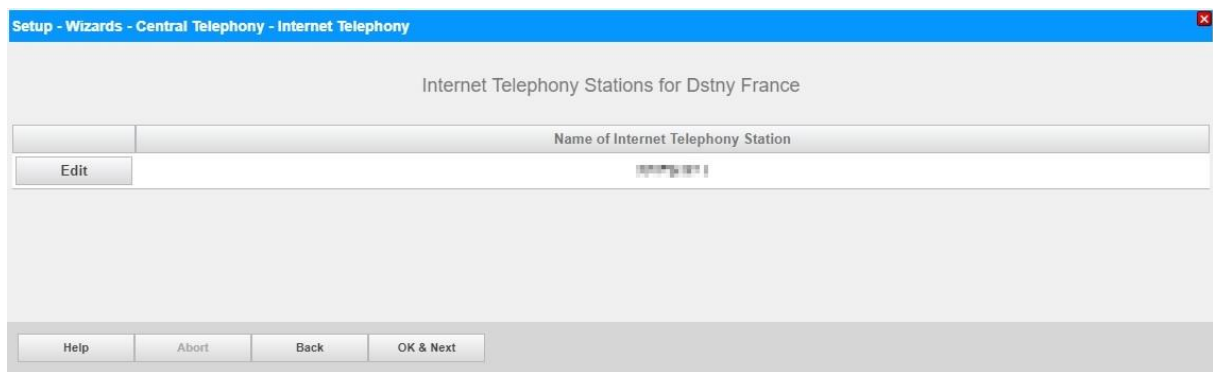


Figure 7

Click [OK & Next]

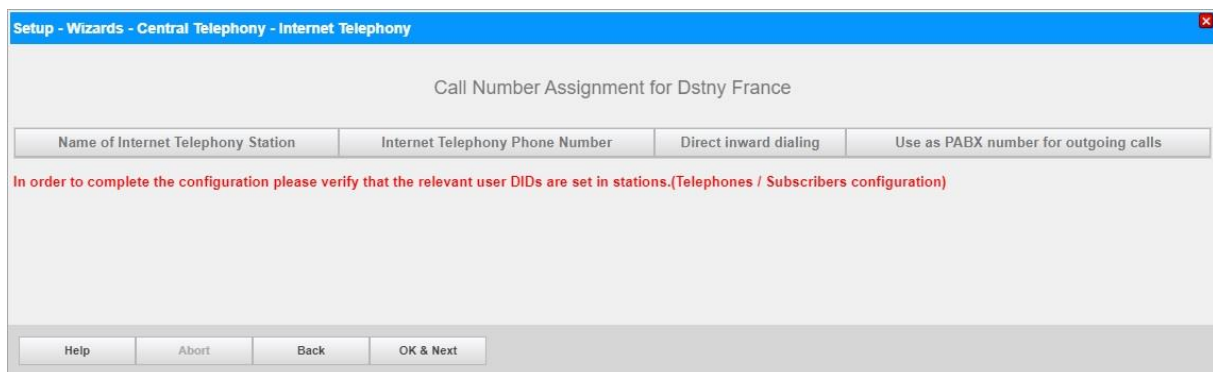


Figure 8

Click [OK & Next] (no input needed)

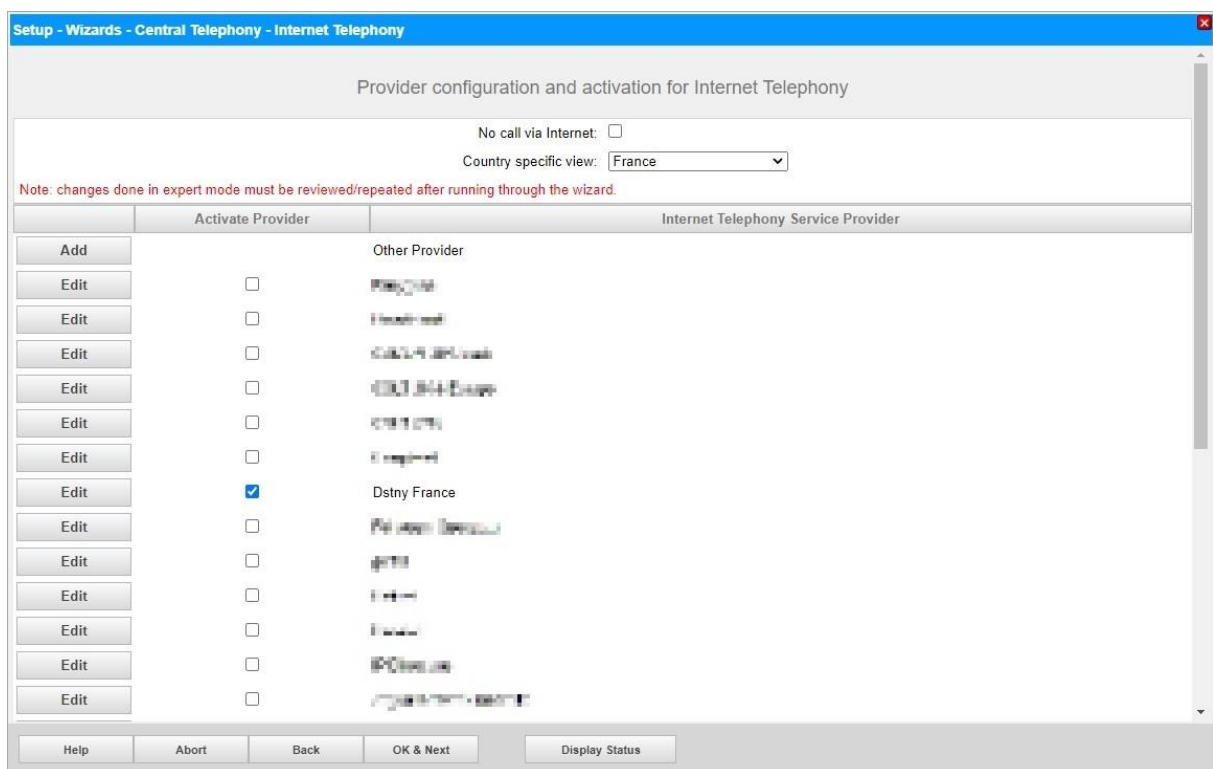


Figure 9

Click [OK & Next]

Define bandwidth (# Trunks)

The amount of simultaneous Internet (**Assigned Lines**) calls must be aligned with the **Maximum Active Calls** assigned to the Trunk Group of the **Dstny** Enterprise Portal.

Setup - Wizards - Central Telephony - Internet Telephony

Settings for Internet Telephony

Simultaneous Internet Calls

Available Lines for ITSP: 198

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) = 10000

In the 'Change Feature --> Internet Telephony' Assistant. This upstream allows you to conduct up to 60 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): 10000

Number of Simultaneous Internet Calls: 4 Distribute Lines

Line assignment

Internet Telephony Service Provider	Configured Lines	Assigned Lines
Dstny France	4	4

Help Abort Back OK & Next

Figure 10

Click [OK & Next]

Special phone numbers

In this dialog it is possible to route special phone numbers.

Special phone number	Dialed digits	Dial over Provider
1	0C15	Dstny France ▼
2	0C17	Dstny France ▼
3	0C18	Dstny France ▼
4	0C112	Dstny France ▼
5	0C115	Dstny France ▼
6	0C119	Dstny France ▼
7	0C2	Dstny France ▼
8		Dstny France ▼
9		Dstny France ▼
10		Dstny France ▼
11		Dstny France ▼
12		Dstny France ▼
13		Dstny France ▼
14		Dstny France ▼
15		Dstny France ▼

Figure 11

Click [OK & Next]

On next page status of ITSP is displayed.

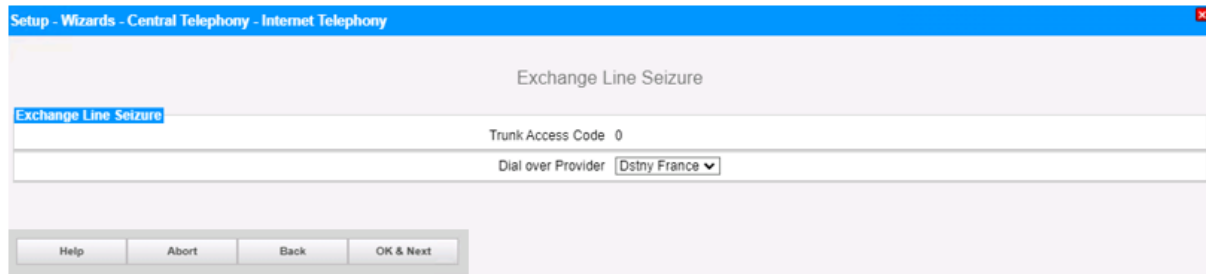
Provider	User
Dstny France	107-523
Enabled	registered

Figure 12

Click [Next]

„Exchange Line Seizure“:

Select which trunk will access code 0. Enter the local area code without prefix digits (needed only when local area code was not entered in first step PBX number)

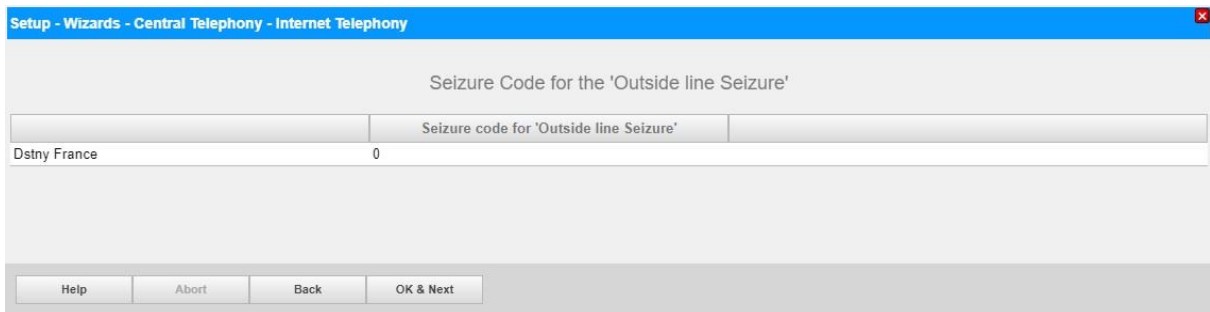


The screenshot shows a window titled "Setup - Wizards - Central Telephony - Internet Telephony". The main heading is "Exchange Line Seizure". Below it, there is a sub-heading "Exchange Line Seizure". The form contains two input fields: "Trunk Access Code" with the value "0" and "Dial over Provider" with a dropdown menu showing "Dstny France". At the bottom, there are four buttons: "Help", "Abort", "Back", and "OK & Next".

Figure 13

Click [OK & Next]

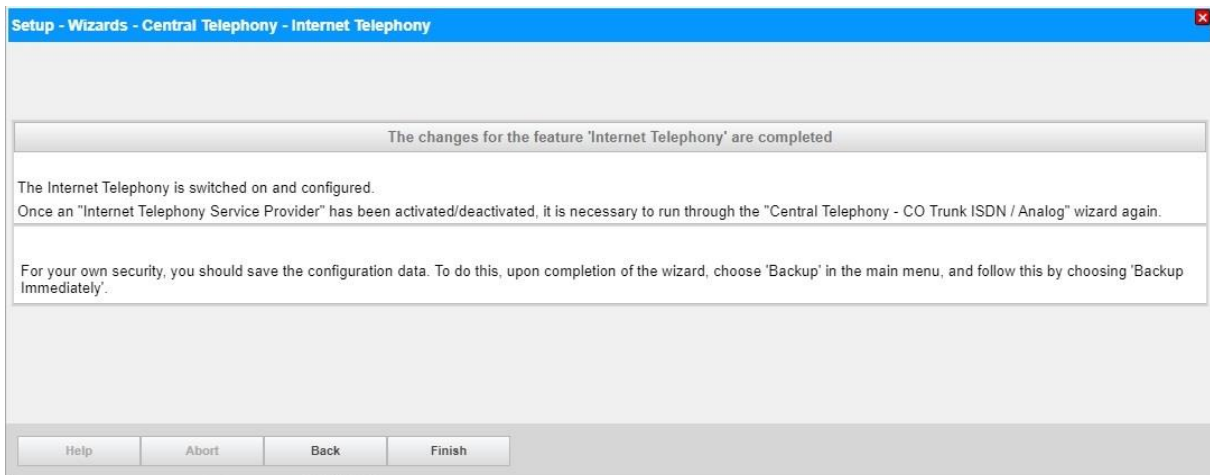
Overview with all configured „Outside line Seizure“ are displayed.



The screenshot shows a window titled "Setup - Wizards - Central Telephony - Internet Telephony". The main heading is "Seizure Code for the 'Outside line Seizure'". Below it, there is a table with two columns: "Seizure code for 'Outside line Seizure'" and "Dial over Provider". The table has one row with the value "0" in the first column and "Dstny France" in the second column. At the bottom, there are four buttons: "Help", "Abort", "Back", and "OK & Next".

Figure 14

Click [OK & Next] and



The screenshot shows a window titled "Setup - Wizards - Central Telephony - Internet Telephony". The main heading is "The changes for the feature 'Internet Telephony' are completed". Below it, there is a text box with the following text: "The Internet Telephony is switched on and configured. Once an 'Internet Telephony Service Provider' has been activated/deactivated, it is necessary to run through the 'Central Telephony - CO Trunk ISDN / Analog' wizard again. For your own security, you should save the configuration data. To do this, upon completion of the wizard, choose 'Backup' in the main menu, and follow this by choosing 'Backup Immediately'." At the bottom, there are four buttons: "Help", "Abort", "Back", and "Finish".

Figure 15

on the next page [Finish]

DID configuration

In the DID Section, the DID will need to be entered (remaining part without country code, and if configured without local area code, PABX number).

Callno	DID	First Name	Last Name	Display	Type	Clip/Lin
102	973455901	IP HFA 1	-	IP HFA 1	System Client	-
103	973455902	IP HFA 2	-	IP HFA 2	System Client	-
104	973455903	IP SIP 1	-	IP SIP 1	SIP Client	-
-	-	-	-	-	No Port	-
-	-	-	-	-	No Port	-

Figure 16

Additional Configuration

License

Add the “S2M/SIP Trunk” license to the SIP-Trunk

The screenshot displays the Unify License Management web interface. The top navigation bar includes links for Home, Administrators, Setup, Expert mode, Data Backup, License Management (highlighted), and Service Center. The left sidebar contains a tree view with categories: License Management, Additional Products (OpenScape Personal Edition), Local User licenses (Overview, IP User, TDM User, Mobility User, Deskshare User), CO Trunks (highlighted), System Licenses, License Profiles (Create Profiles, Assign Profiles), Registration (Activate License Online, Activate CLS Connect, Activate License File), and Settings.

The main content area is titled "CO Trunks" and contains the following information:

- CO Trunks**: The access to central office via PRI(S2m/T1) trunks or via Internet telephony is licensed by CO trunk licenses. Available licenses for SIP and PRI(S2m/T1) trunks: 0.
- SIP trunks**: The configured number of simultaneous Internet calls for each Internet Telephony Service Provider is: 4. License number of simultaneous Internet calls in this node: 4. License demand for number of simultaneous Internet calls in this node: 4 (with a dropdown arrow).
- PRI (S2M/T1)**: A table with columns: Type Slot, Port, Feature, and Demands.

At the bottom of the interface, there are "Abort" and "Apply" buttons.

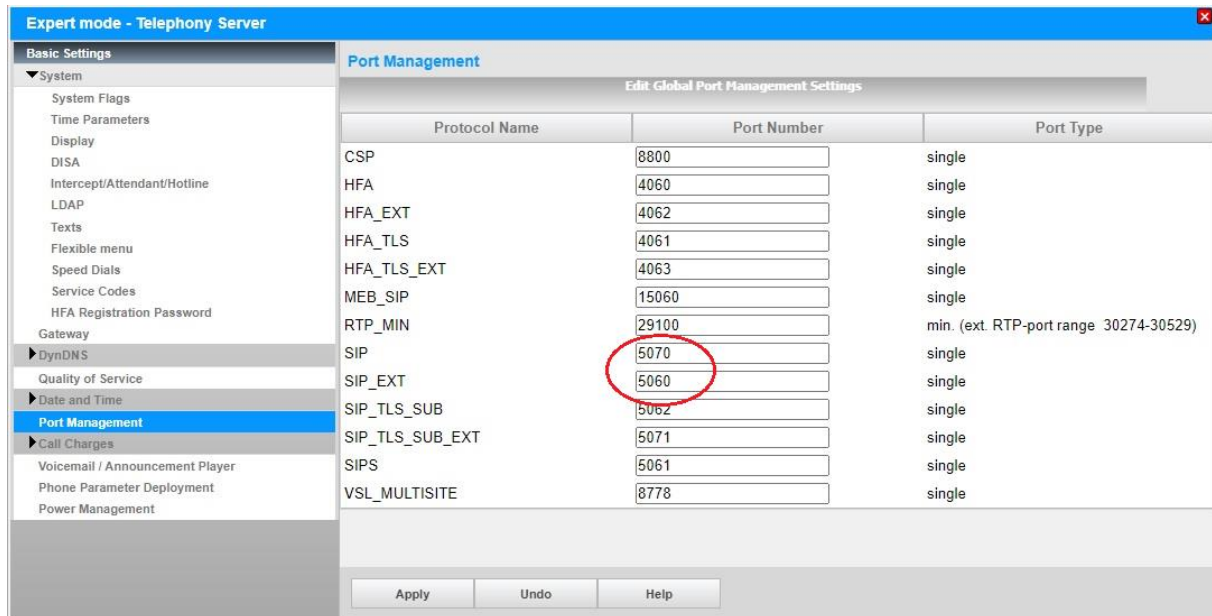
Figure 17

Mandatory configuration in Expert Mode

Port management

Go to Expert Mode → Telephony Server → Port Management

To comply with the requirements of the **Dstny France** the EXT_SIP port **MUST** be configured with 5060 (default is 5070).



Expert mode - Telephony Server

Basic Settings

- System
 - System Flags
 - Time Parameters
 - Display
 - DISA
 - Intercept/Attendant/Hotline
 - LDAP
 - Texts
 - Flexible menu
 - Speed Dials
 - Service Codes
 - HFA Registration Password
- Gateway
- DynDNS
- Quality of Service
- Date and Time
- Port Management**
- Call Charges
- Voicemail / Announcement Player
- Phone Parameter Deployment
- Power Management

Port Management

Edit Global Port Management Settings

Protocol Name	Port Number	Port Type
CSP	8800	single
HFA	4060	single
HFA_EXT	4062	single
HFA_TLS	4061	single
HFA_TLS_EXT	4063	single
MEB_SIP	15060	single
RTP_MIN	29100	min. (ext. RTP-port range 30274-30529)
SIP	5070	single
SIP_EXT	5060	single
SIP_TLS_SUB	5062	single
SIP_TLS_SUB_EXT	5071	single
SIPS	5061	single
VSL_MULTISITE	8778	single

Apply Undo Help

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

To comply with the requirements of the **Dstny France** the following codec parameters **MUST** be changed:

1. RFC 2833 payload type **MUST** be 101.
2. RFC 2198 support **MUST** be disabled.
3. G.729 is **NOT** supported and **SHOULD** be disabled.
4. T38 fax protocol is not supported. Fax is supported via G.711 only. For this reason, you **MUST** disable T38 protocol.

Expert mode - Telephony Server

Voice Gateway

- SIP Parameters
- ITSP Loc-ID Settings
- Codec Parameters**
- Destination Codec Parameters
- Internet Telephony Service Provider
- Networking
- SIPQ-Interconnection
- Native SIP Server Trunk

Codec Parameters

Edit Codec Parameters

Codec	Priority	Voice Activity Detection	Frame Size
G.711 A-law	Priority 1	VAD: <input type="checkbox"/>	20
G.711 μ-law	Priority 2	VAD: <input type="checkbox"/>	20
G.729A	not used	VAD: <input type="checkbox"/>	20
G.729AB	not used	VAD: <input checked="" type="checkbox"/>	20

Enhanced DSP Channels

Use G.711 only ☒

T.38 Fax

T.38 Fax: ☐

Use FillBitRemoval: ☒

Max. UDP Datagram Size for T.38 Fax (bytes): 1472

Error Correction Used for T.38 Fax (UDP): t38UDPRedundancy

T.30 Fax

Enable ECM: ☒

Misc.

ClearChannel: ☒ Frame Size: 20 msec

RFC2833

Transmission of Fax/Modem Tones according to RFC2833: ☐

Transmission of DTMF Tones according to RFC2833: ☒

Payload Type for RFC2833: 101

Redundant Transmission of RFC2833 Tones according to RFC2198: ☐

Apply Undo Help