Mitel OpenScape Business

Configuration of
htp Business FleX SIP-Trunk

OpenScape Business V3 Mainboard Family
OpenScape Business S

About this document

This configuration guide describes an example of how to set up a trunk of the ***htp Business FleX SIP-Trunk Services***

- ***htp Business FleX SIP-Trunk smart*** siptrunk.htp.net
- ***htp Business FleX SIP-Trunk smart ME*** siptrunk.htp.net
- ***htp Business FleX SIP-Trunk pure*** siptrunkpure.htp.net

with the profile ***htp Business FleX SIP-Trunk*** as an ITSP connection to the OpenScape Business.

Note: The basis for this document is the current OpenScape Business *V3R4.3*. 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	*V3R4.3*
htp Business FleX SIP-Trunk	**Features & Capabilities**
Account (DID/Client)	*DID*
Multisite	*yes - dedicated trunk*
CLIP / CLIR	*yes*
CLIP no Screening	*yes*
COLP	*no*
Call Forwarding (302)	*yes*
DTMF (RFC2833/4733)	*yes*
Codecs G.722/G.711/G.729	*yes / yes / no*
T.38 Fax	*no*
Secure trunk	*yes*

Remarks:

- CLIP no Screening is available in ***htp Business FleX SIP-Trunk*** default configuration.
- Call Forwarding (SIP 302) is activated by default.
- The use of the G.722 codec must be enabled with priority 1 on the end devices (first-line codec). The use of G.722 depends on the characteristics of the receiving end (end device, IP PBX connection, etc.).

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Table of History

Date	Version	Changes
06.05.2026	1.0	release ***htp Business FleX SIP-Trunk*** with OpenScape Business V3R4.3 • includes - recertification of ***htp Business FleX SIP-Trunk smart*** - secure trunk (TLS)
31.07.2026	1.1	profile included starting with OpenScape Business V4R0

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Information

The ***htp Business FleX SIP-Trunk*** profile is released with OpenScape Business V3R4.3 variants

- OpenScape Business V3 Mainboard Family
- OpenScape Business S

This profile includes the recertification of the ***htp Business FleX SIP-Trunk smart*** from OpenScape Business V3R3.

Trunk Configuration Data

The configuration data required for setting up the ***htp Business FleX SIP-Trunk*** will be send to the customer by ***htp GmbH*** with the order confirmation.

The ***htp Business FleX SIP-Trunk Services*** are addressed via the SIP-Registrar-Server:

- ***htp Business FleX SIP-Trunk smart*** siptrunk.htp.net
- ***htp Business FleX SIP-Trunk smart ME*** siptrunk.htp.net
- ***htp Business FleX SIP-Trunk pure*** siptrunkpure.htp.net

The domain siptrunk.htp.net is only reachable within the ***htp*** network.

The service ***Business FleX SIP-Trunk smart MPLS*** is not released with OpenScape Business.

The following transport protocols are certified: udp, tcp, tls.

Further information is available here: https://business.htp.net/geschaeftskunden/anleitungen

Other than German supported countries allow the registration of ***htp Business FleX SIP-Trunk pure*** but do not provide a country specific call number range:

- Austria
- Belgium
- France
- Germany
- Liechtenstein
- Luxembourg
- Monaco
- Netherland
- Switzerland

In future further countries will be possible and do not require an additional certification.

Configuration Wizard

Encryption (TLS/SRTP)

Optionally, signaling encryption using TLS and the voice channel encryption using SRTP can be enabled. ***htp GmbH*** uses public trust certificate from DigiCert. The required root and intermediate certificates can be downloaded in pem format here:

https://www.digicert.com/digicert-root-certificates.htm

The certificates are imported in WBM under **Expert Mode → Telephony → Security → Signaling and Payload Encryption (SPE) → SPE CA Certificates**.

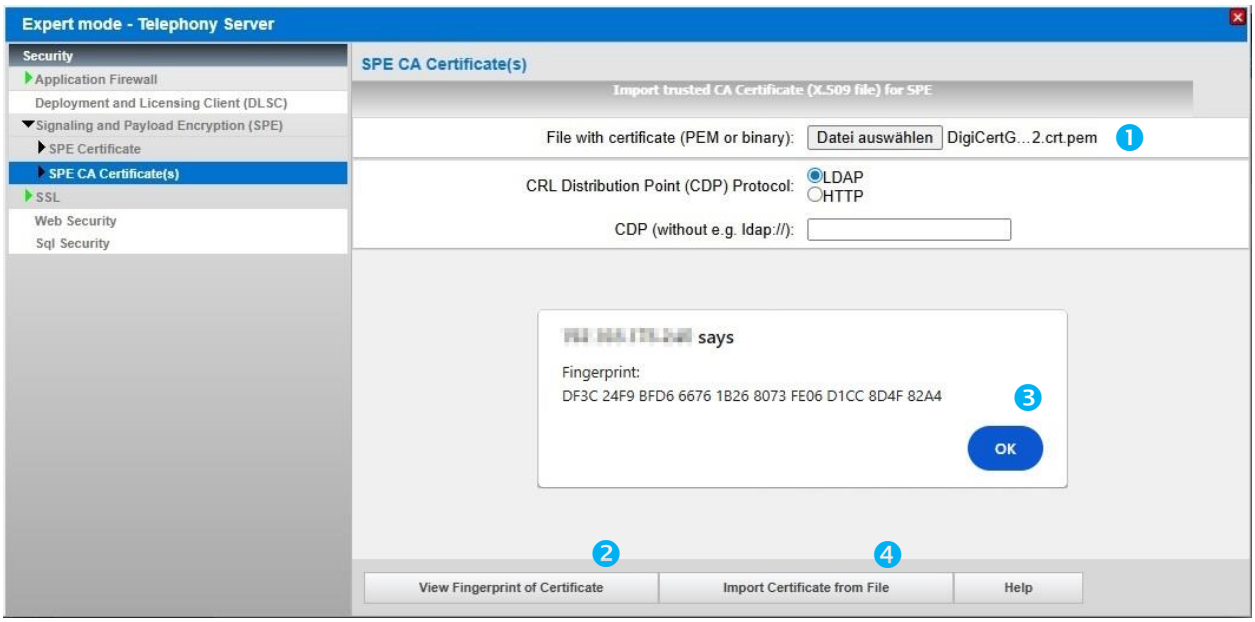
DigiCert Global Root G2

Valid until: 15/Jan/2038

Serial #: `03:3A:F1:E6:A7:11:A9:A0:BB:28:64:B1:1D:09:FA:E5`

SHA1 Fingerprint: `DF:3C:24:F9:BF:D6:66:76:1B:26:80:73:FE:06:D1:CC:8D:4F:82:A4`

SHA256 Fingerprint: `CB:3C:CB:B7:60:31:E5:E0:13:8F:8D:D3:9A:23:F9:DE:47:FF:C3:5E:43:C1:14:4C:EA:27:D4:6A:5A:B1:CB:5F`

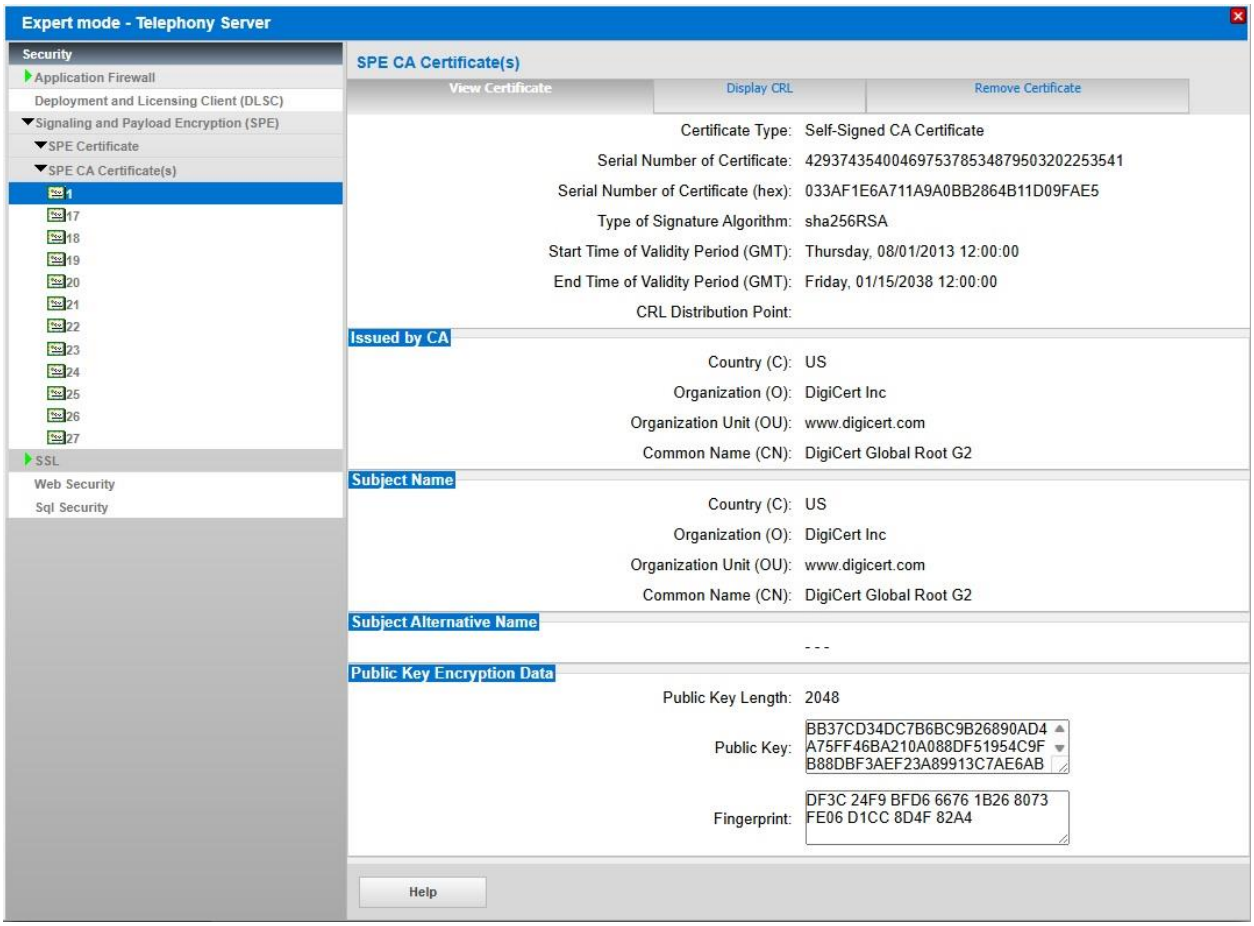


Select the *.pem file containing the root certificate for import (1) and click [View fingerprint of Certificate] (2). Then close the fingerprint window with [OK] (3). Click [Import Certificate from File] (4) and wait until the confirmation window appears.

Close with [OK].

	OpenScape Business cannot import files containing a certificate chain. Each file may only contain one certificate.

The imported certificate can now be displayed. To do this, click on the "number" (here: "1"), not on the icon.



As a next step, import the intermediate certificate in the same way (optionally).

Thawte TLS RSA CA G1

Issuer: DigiCert Global Root G2

Valid until: 02/Nov/2027

Serial #: `09:0E:E8:C5:DE:5B:FA:62:D2:AE:2F:F7:09:7C:48:57`

SHA1 Fingerprint: `C9:FE:FC:76:3D:95:48:B4:87:69:6F:04:7A:CB:A0:AB:E4:5C:7B:C1`

SHA256 Fingerprint: `4B:CC:5E:23:4F:E8:1E:DE:4E:AF:88:3A:A1:9C:31:33:5B:0B:26:E8:5E:06:6B:99:45:E4:CB:61:53:EB:20:C2`

Internet Telephony

Go to Central Telephony – "Internet Telephony"

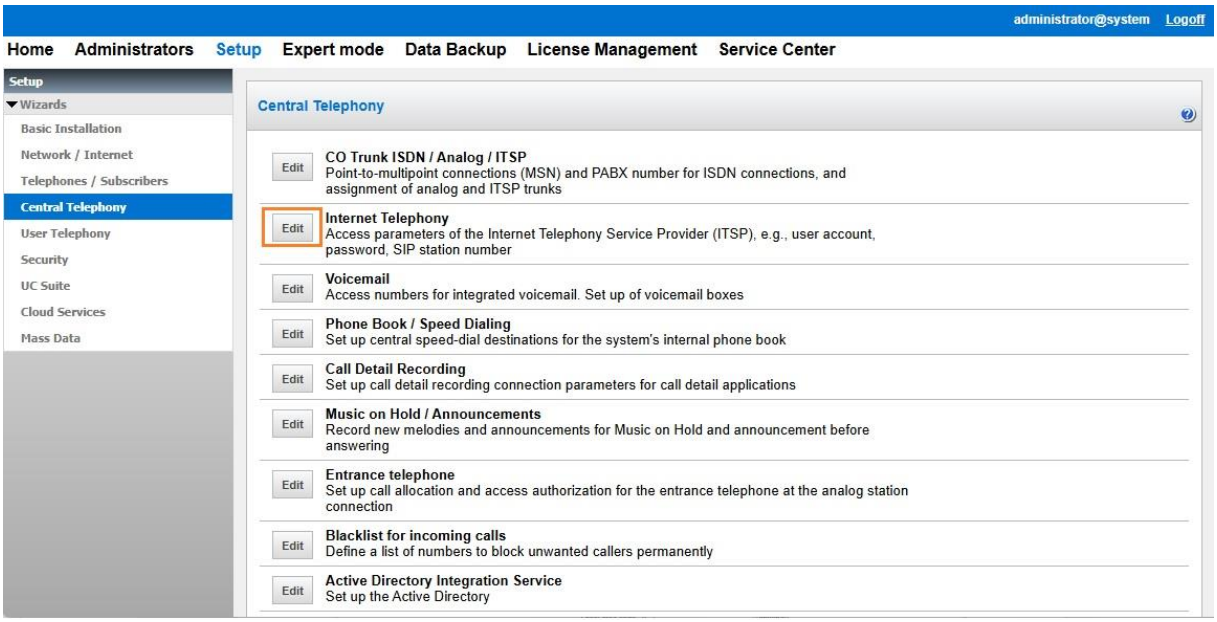


Figure 1

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

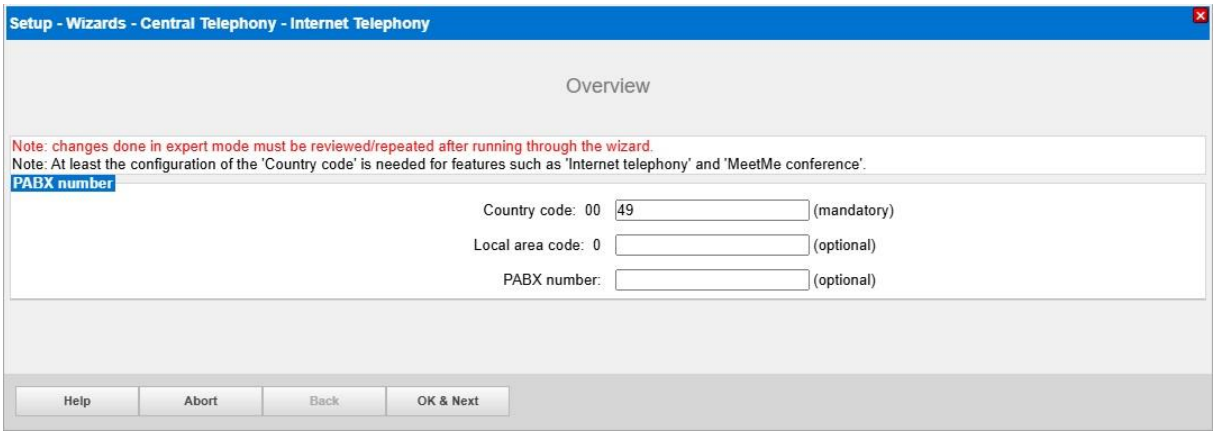


Figure 2

Click [OK & Next].

Provider configuration and activation for Internet Telephony

- No call via Internet -> uncheck
- Use County specific view: "***Germany***" and select "***htp Business FleX SIP-Trunk***"

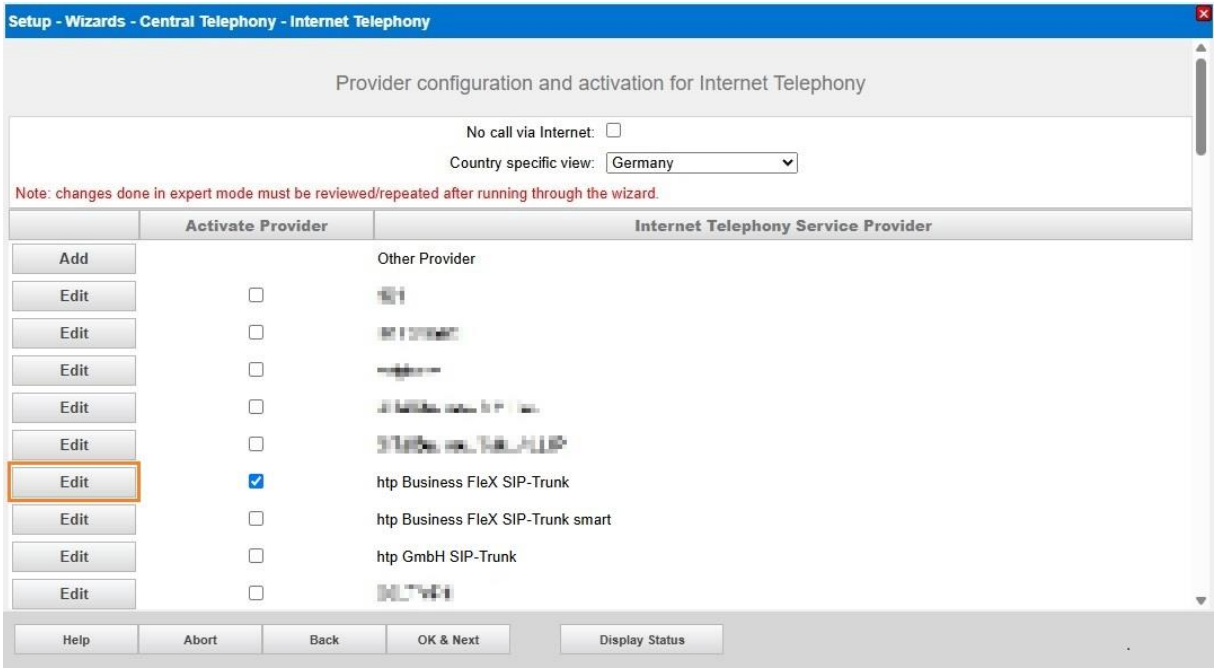
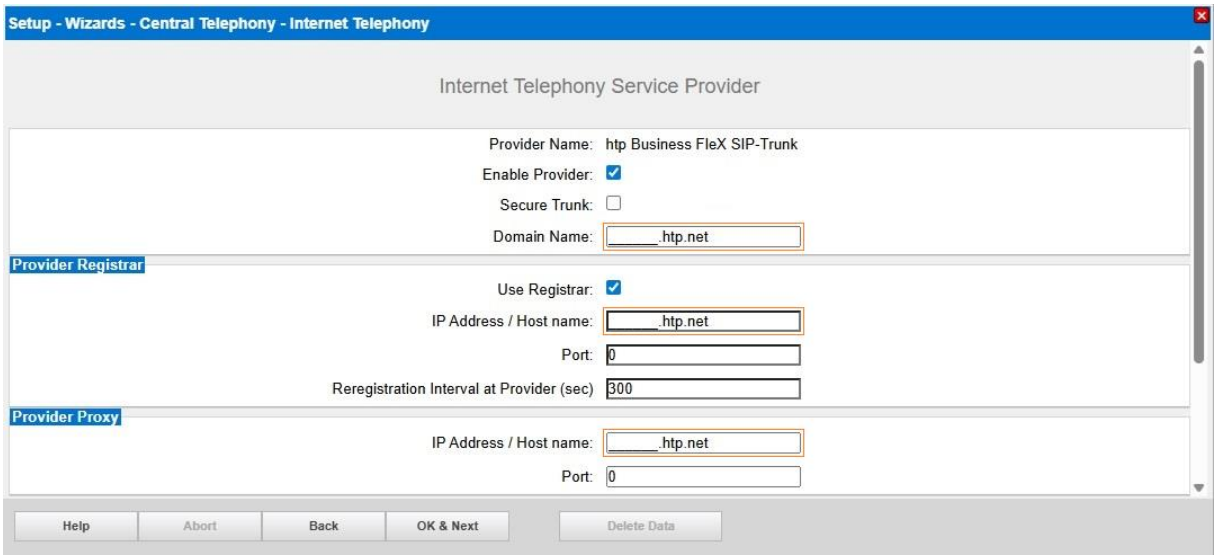


Figure 3

Activate Provider and click on [Edit].

On the next page the provider information is displayed. This data is partly pre-configured and the SIP-Registrar server of customers configuration data is required for

- **Domain Name**: SIP-Registrar server
- **Provider Registrar**: SIP-Registrar server
- **Provider Proxy**: SIP-Registrar server



The ***htp Business FleX SIP-Trunk Services*** are addressed via the following SIP-Registrar-Server:

- ***htp Business FleX SIP-Trunk smart*** siptrunk.htp.net (only in the ***htp*** network)
- ***htp Business FleX SIP-Trunk smart ME*** siptrunk.htp.net (only in the ***htp*** network)
- ***htp Business FleX SIP-Trunk pure*** siptrunkpure.htp.net (following example)

Further optional features can be controlled:

- Secure trunk
- "Route optimize active" activated (default) -> Rerouting takes place in the Central Office during a call forwarding (SIP 302) and control of the call remains with the Central Office.
- "Route optimize active " deactivated (optional) -> a call forwarding establishes a second connection and control of the call remains in the OpenScape Business.

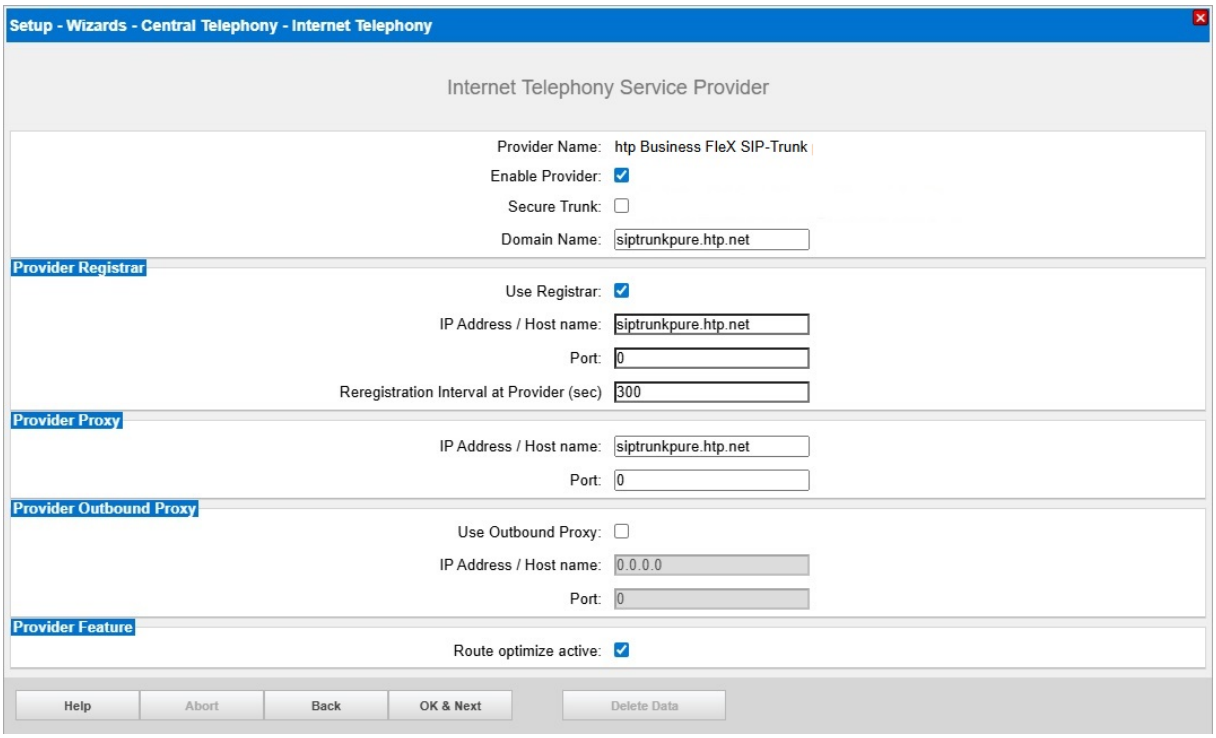


Figure 4

Click [OK & Next].

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

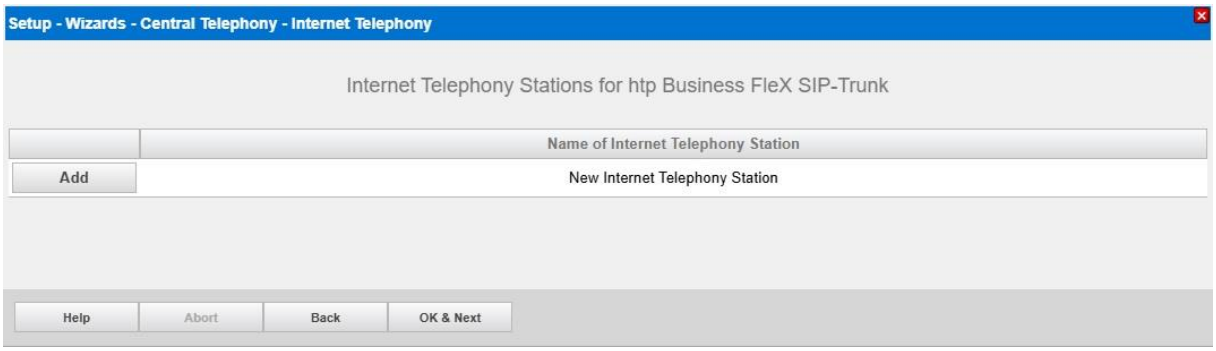


Figure 5

Click on [Add].

Insert customer specific data provided by ***htp GmbH***.

Internet telephony station: SIP-Login

Authorization name: SIP-Login

Password: Password

Default number: Enter one of the call numbers supplied by your network provider here. This will be used in outgoing calls as the calling party number in case no other number is available for the respective call. Usually, the Lead Number is entered here.

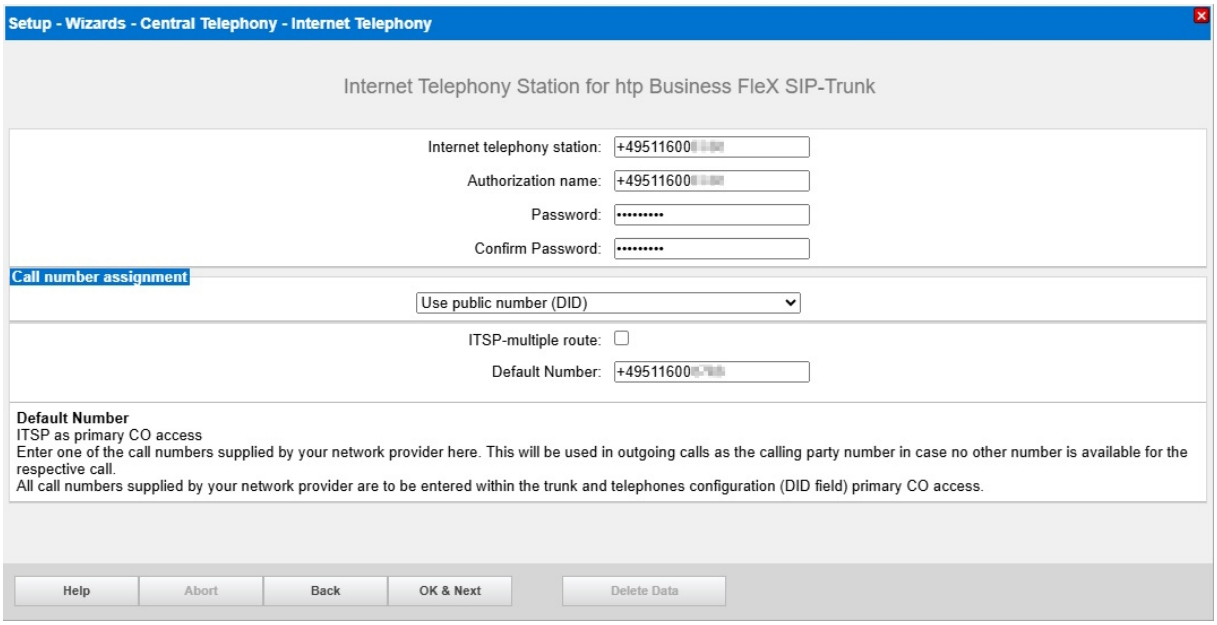


Figure 6

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

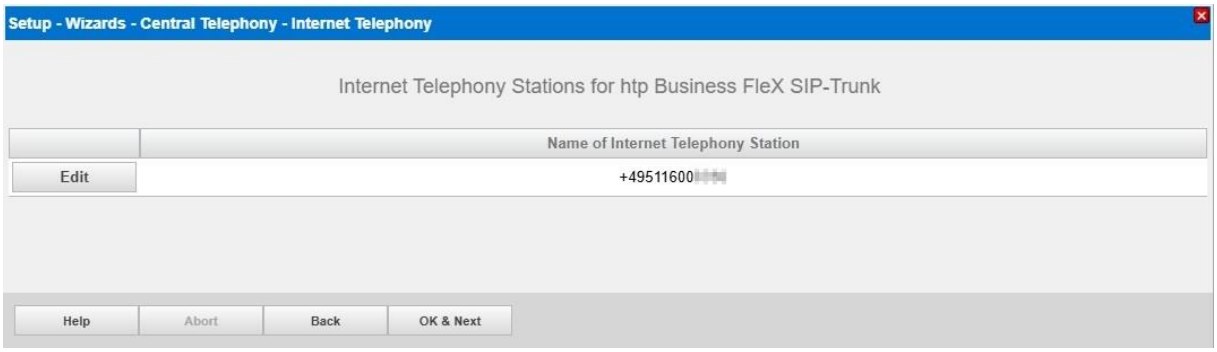


Figure 7

Click [OK & Next]

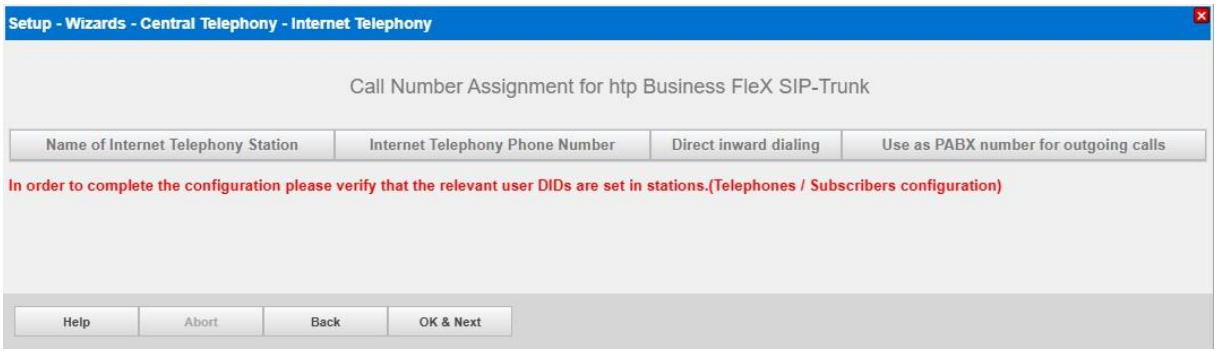


Figure 8

Click [OK & Next] (no input needed)

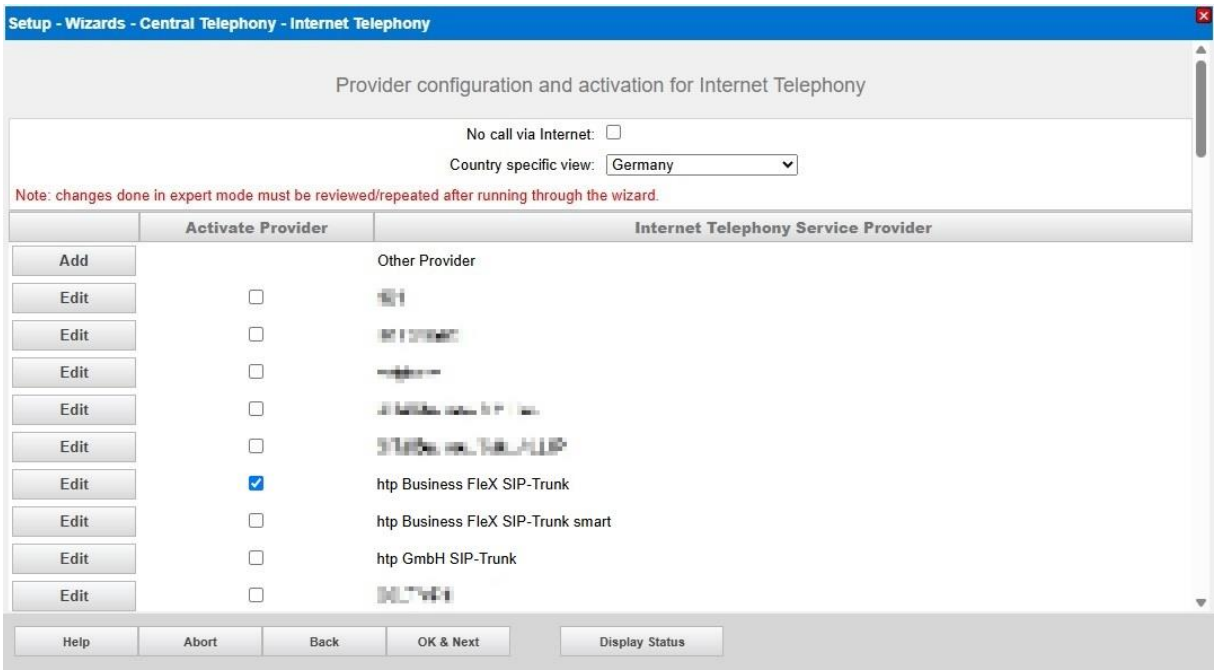


Figure 9

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 by ***htp GmbH***.

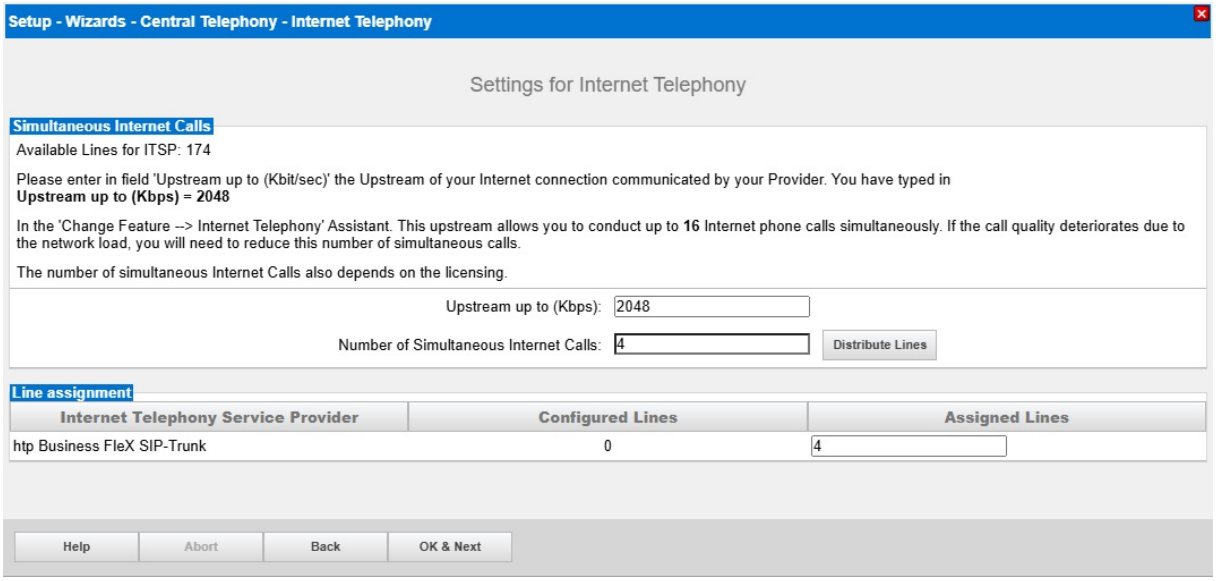


Figure 10

Click [OK & Next]

Now the corresponding configuration data will be created and entered into the system, please wait until the progress bar reaches 100%.

Special phone numbers

In this dialog it is possible to adjust routing of special phone numbers.

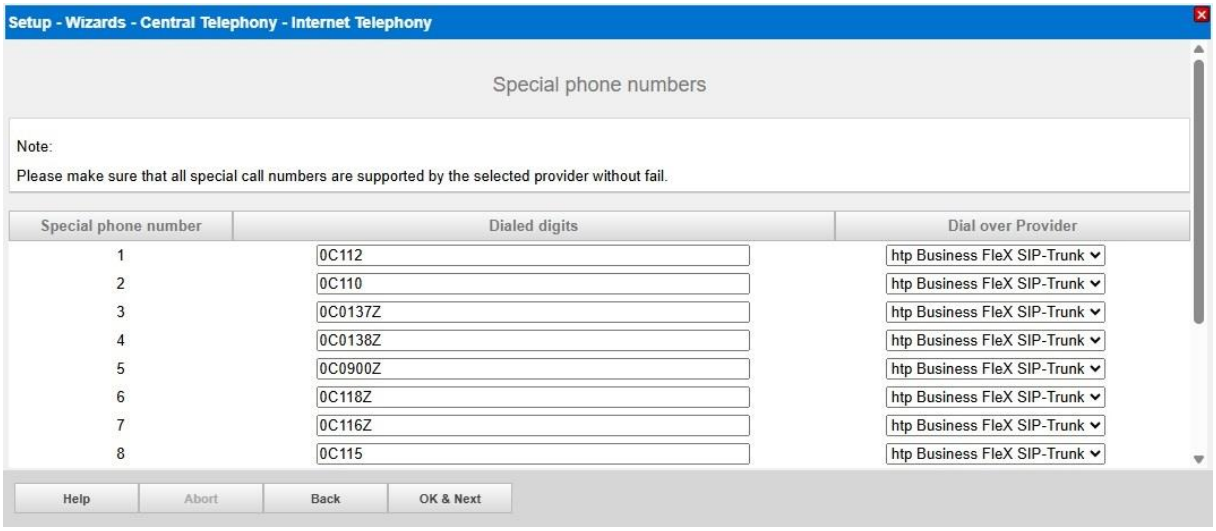


Figure 11

Click [OK & Next]

On next page status of ITSP is displayed.

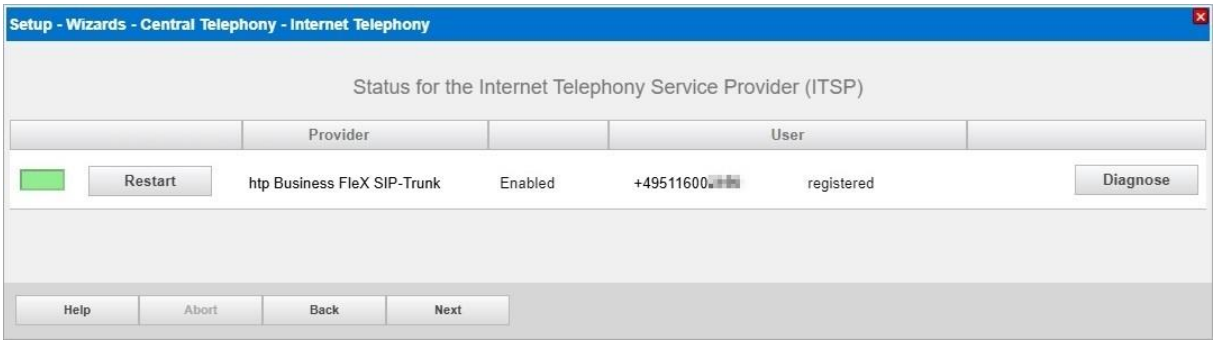


Figure 12

- If the SIP trunk has been successfully registered, the light will be green, and you can proceed to the next step. The "Diagnose" button opens a new window with a list of configured data.

- If the light is orange, clicking the "Diagnose" button will open a new window. This window provides information about potential problems and a list of configured data for review.

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)

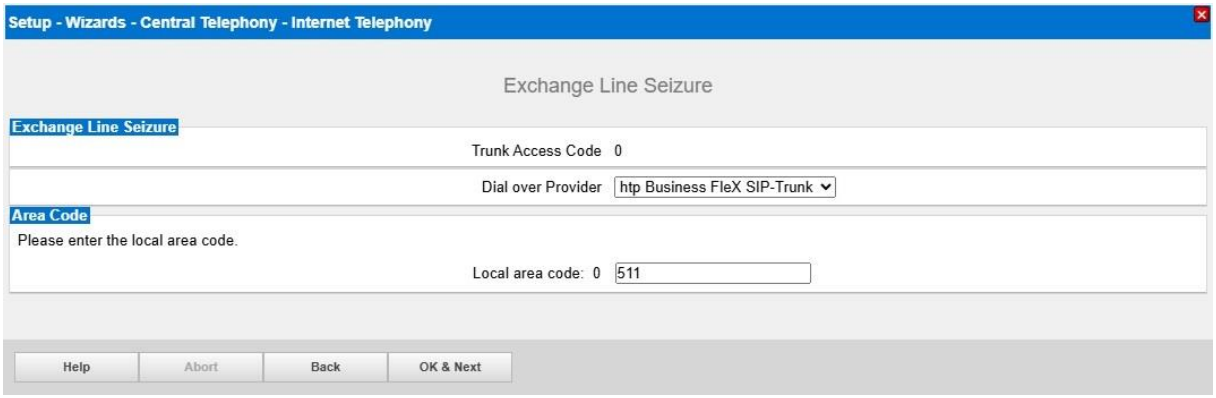


Figure 13

Click [OK & Next]

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

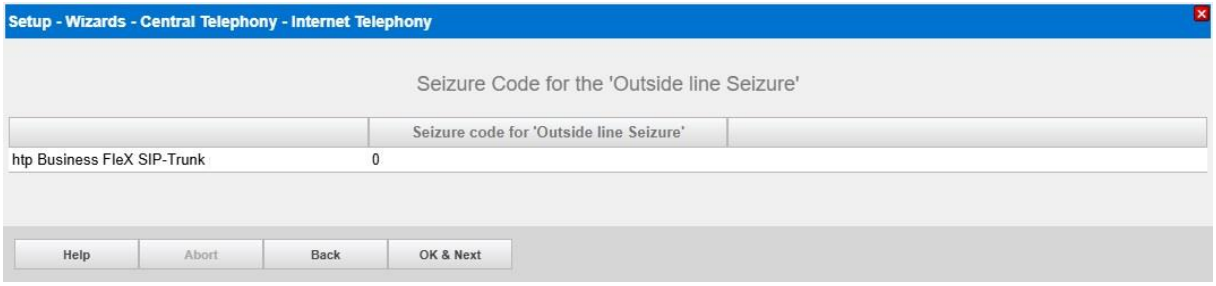


Figure 14

Click [OK & Next] and

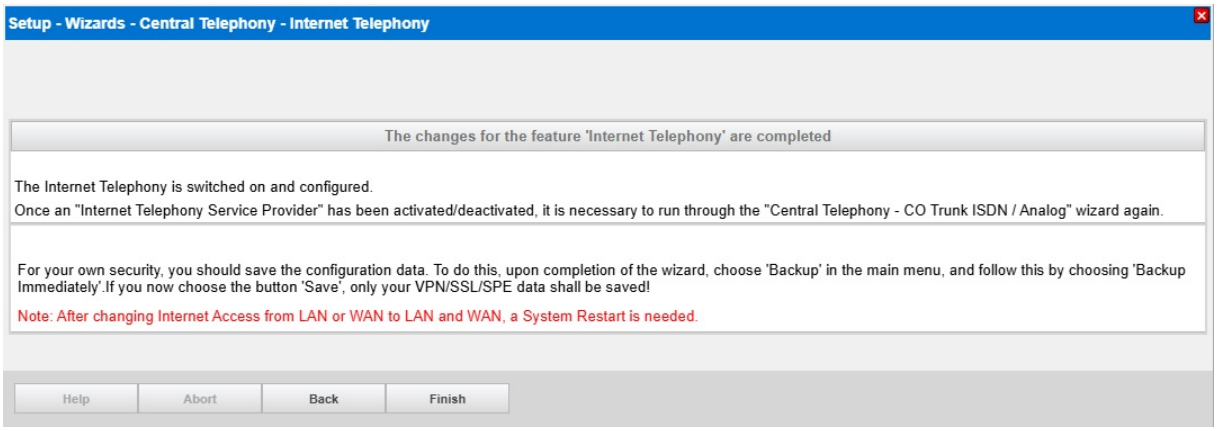


Figure 15

on the next page [Finish].

DID configuration

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

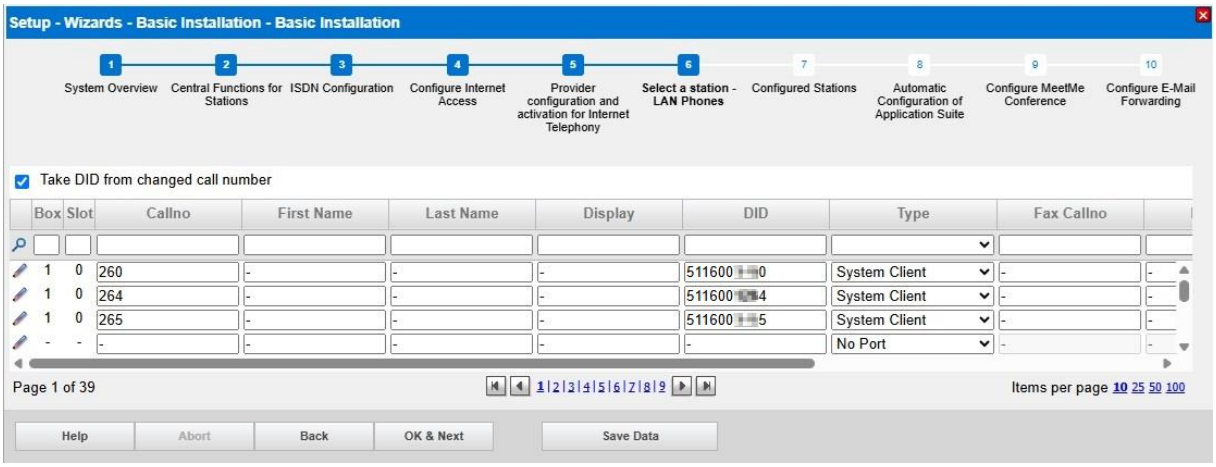


Figure 16

Additional Configuration

License

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

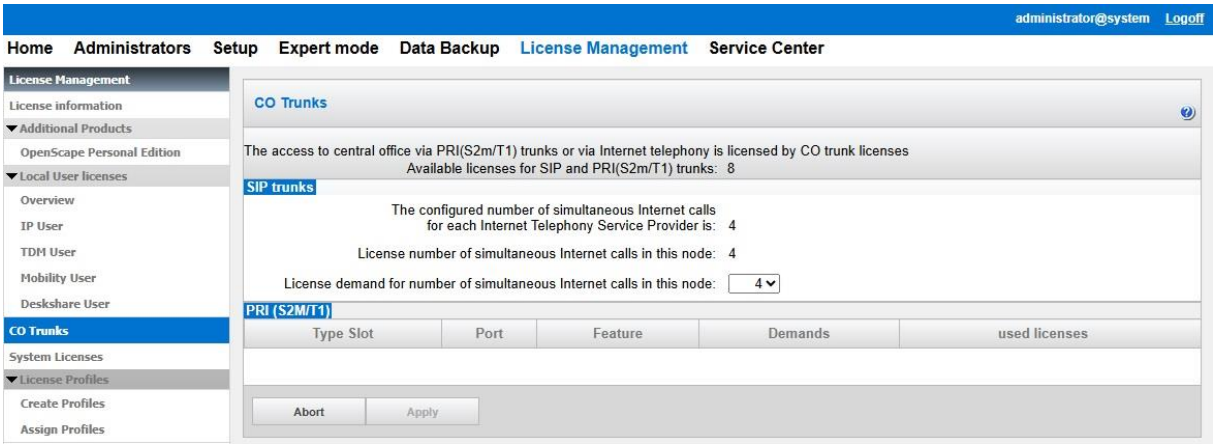


Figure 17

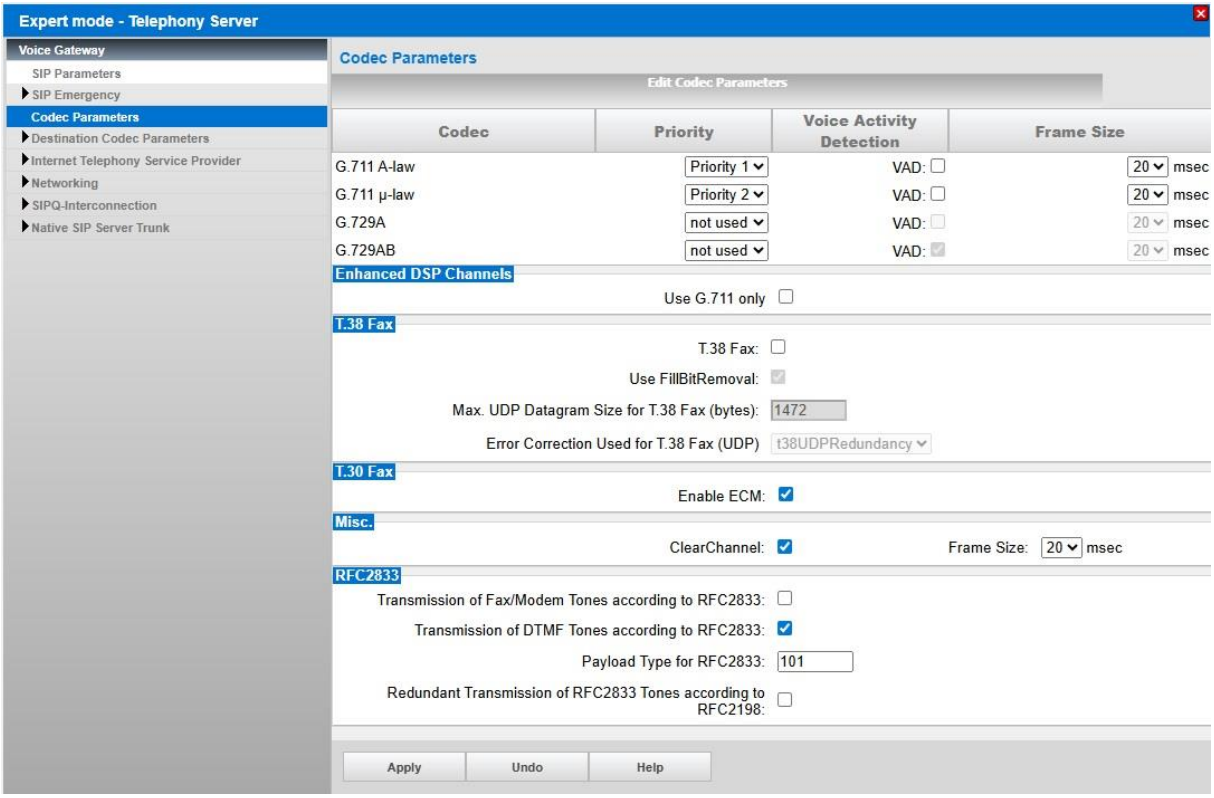
Mandatory configuration in Expert Mode

Codec Parameters

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

To comply with the requirements of the ***htp Business FleX SIP-Trunk*** the following codec parameters **MUST** be changed:

1. G.729 is not supported by ***htp Business FleX SIP-Trunk*** and should be disabled.
2. T.38-Fax protocol is not released for ***htp Business FleX SIP-Trunk***. For this reason, you must disable T.38-Fax protocol.
3. RFC 2833 payload type must be 101.



After the T.38-Fax settings are changed OpenScape Business **MUST** be restarted.

Appendix

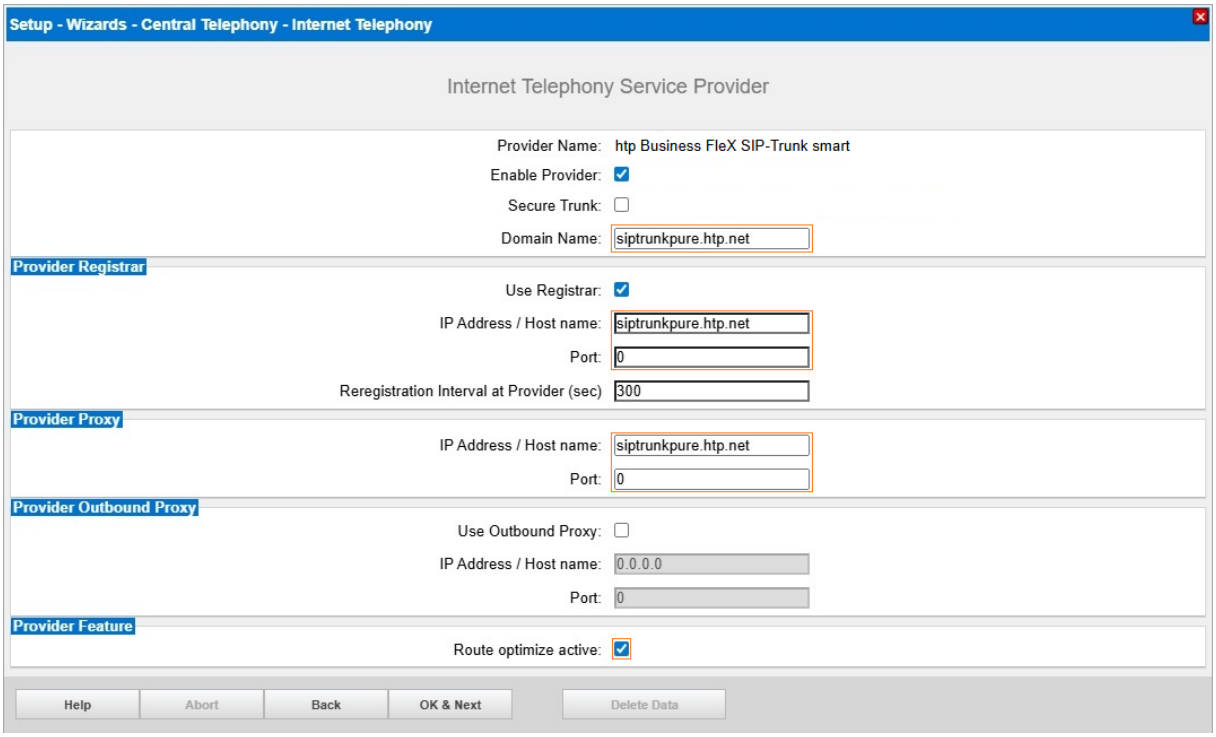
Create profile

Reference information in case the ***htp Business FleX SIP-Trunk*** profile reuses the profile ***htp Business FleX SIP-Trunk smart***.

Configure the server data provided by ***htp GmbH***.

- **Domain Name**: siptrunkpure.htp.net
- **Provider Registrar**: siptrunkpure.htp.net **Port**: 0 *)
- **Provider Proxy**: siptrunkpure.htp.net **Port**: 0 *)

*) utilizing the ***htp*** SBC cluster redundancy (DNS-SRV)



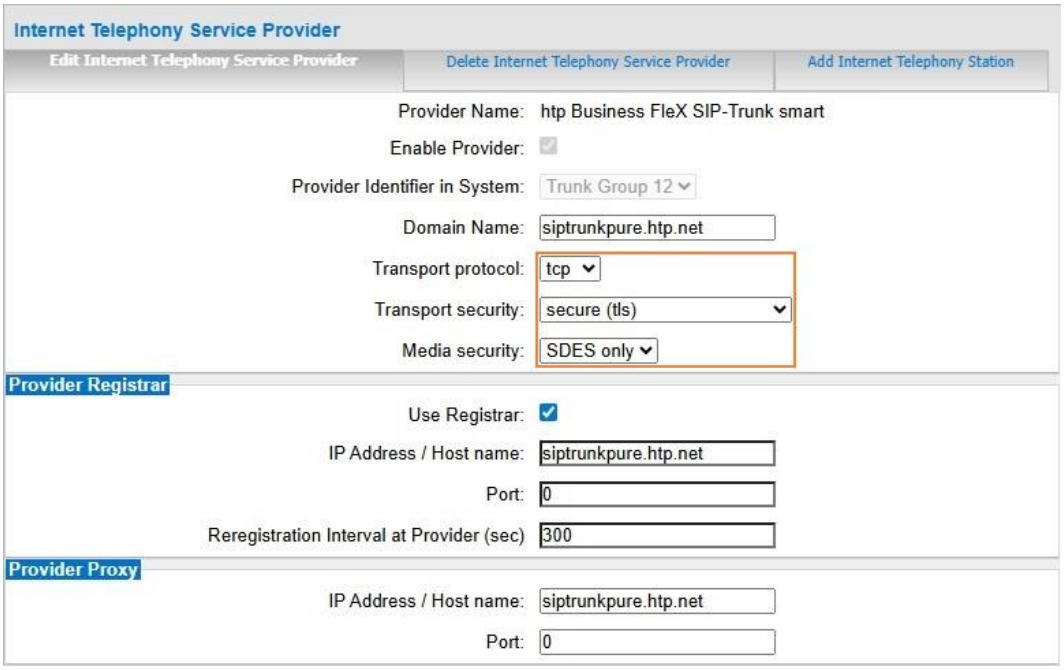
Activate "**Route optimize active**".

Extended SIP Provider Data

Expert mode → Telephony Server → Voice Gateway → Internet Telephony Service Provider → ***htp Business FleX SIP-Trunk smart*** requires following parameters:

- **COLP / TIP supported for outgoing calls**: COLP not supported
- **CLIP no Screening support**: CLIP in FROM / DID number in PAI
- **Contact URI contains**: RegistrationAOR
- **Support 100rel**: ☑ (enabled)
- **P-Early-Media header support**: supported
- **Session Timer support**: refresher Policy Remote

Secure Trunk

Expert mode → Telephony Server → Voice Gateway → Internet Telephony Service Provider → ***htp Business FleX SIP-Trunk smart*** requires following parameters:

- Transport protocol: **tcp**
- Transport security: **secure (tls)**
- Media security: **SDES only**