

# OpenScape Business V2

## How to Configure SIP Trunk for Netfone Hungary

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## Table of History

Date	Version	Changes
09.05.2018	0.1	First version
	0.2	Final review
19/7/2018	1.0	Released

## Trunk Configuration Data provided by Netfone

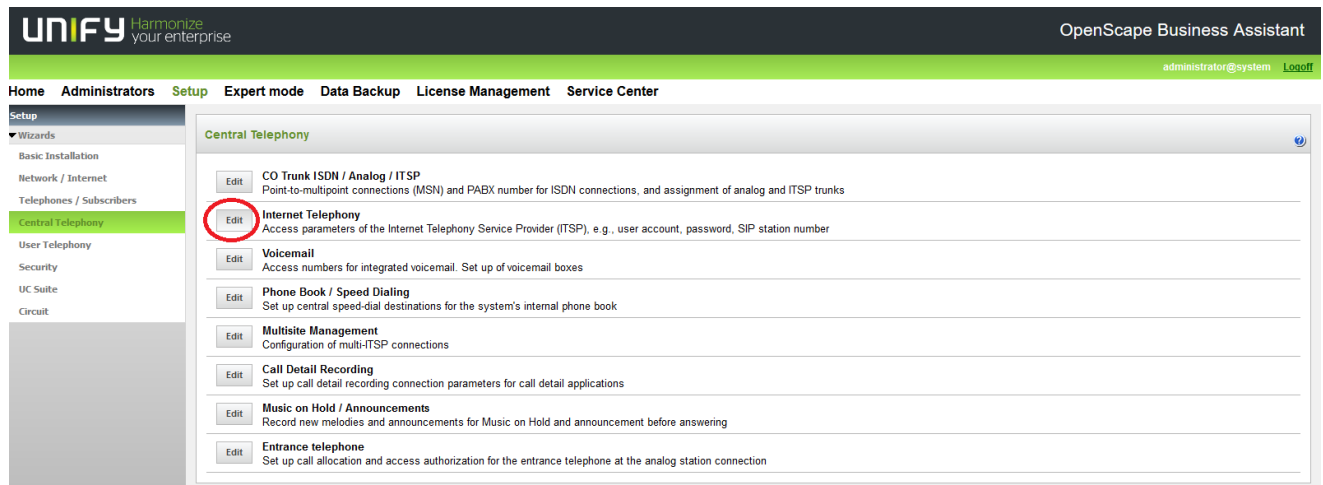
The configuration data needed to setup the SIP trunk will be sent to you via SMS:

Item	example
sip server:	sip.netfone.hu
phone number:	1696xxx
password:	xxxxxxxxx
Maximum Active Calls	4

# 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. (For Hungary Country code is 36.)

Setup - Wizards - Basic Installation - Basic Installation

1 System Overview 2 Central Functions for Stations 3 Provider configuration and activation for Internet Telephony 4 Select a station 5 Configured Stations 6 Automatic Co Applicati

Note: changes done in expert mode must be reviewed/repeated after running through the wizard.  
Note: At least the configuration of the 'Country code' is needed for features such as 'Internet telephony' and 'MeetMe conference'.  
If you want your OpenScape Business in " OpenScape Business Network Integration " you should select the "Network Integration" check box and enter a node ID. In this case Normally, this integration is done by a Service Technician.  
For a standalone OpenScape Business clear the 'Network Integration' check box.

**PABX number**

Country code: 00  (mandatory)  
Local area code: 06  (optional)  
PABX number:  (optional)

Click [OK & Next].

Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck  
Use County specific view: Hungary and select "Netfone HU".

Setup - Wizards - Central Telephony - Internet Telephony

Provider configuration and activation for Internet Telephony

No call via Internet: ☐

Country specific view: Hungary

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"/>	Broadcloud
Edit	<input type="checkbox"/>	BT Wholesale SIP Trunking (WSIPT)
Edit	<input type="checkbox"/>	COLT UK & Europe
Edit	<input type="checkbox"/>	COLT VPN
Edit	<input type="checkbox"/>	gnTel
Edit	<input checked="" type="checkbox"/>	Netfone HU
Edit	<input type="checkbox"/>	Skype Connect
Edit	<input type="checkbox"/>	Skype for Business
Edit	<input type="checkbox"/>	Verizon
Edit	<input type="checkbox"/>	Vodafone Anlagenanschluss R3
Edit	<input type="checkbox"/>	VoIPXS

Help Abort Back OK & Next Display Status

Activate Provider and click on [Edit].

On the next page you don't need to set anything, since all settings are pre-set:

The screenshot shows a configuration window titled "Setup - Wizards - Central Telephony - Internet Telephony". The main heading is "Internet Telephony Service Provider". The configuration is divided into four sections:

- Provider Name:** Netfone HU
- Enable Provider:** ☐
- Secure Trunk:** ☐
- Domain Name:** sip.netfone.hu
- Provider Registrar:**
  - Use Registrar:** ☒
  - IP Address / Host name:** sip.netfone.hu
  - Port:** 5060
  - Reregistration Interval at Provider (sec):** 600
- Provider Proxy:**
  - IP Address / Host name:** sip.netfone.hu
  - Port:** 5060
- Provider Outbound Proxy:**
  - Use Outbound Proxy:** ☐
  - IP Address / Host name:** 0.0.0.0
  - Port:** 0

At the bottom, there are buttons: Help, Abort, Back, OK & Next, and Delete Data.

Click [OK & Next].

The screenshot shows a configuration window titled "Setup - Wizards - Central Telephony - Internet Telephony". The main heading is "Internet Telephony Stations for Netfone HU". It features a table with two columns: "Name of Internet Telephony Station" and "New Internet Telephony Station". The first row has an "Add" button in the first column. Below the table is a large empty area for listing stations. At the bottom, there are buttons: Help, Abort, Back, and OK & Next.

Click [OK & Next].

Call numbers has to be assigned as 'Single entries' to the Internet Telephony Station.

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Station for Netfone HU

Internet telephony station: 1696000

Authorization name: 1696000

Password: .....

Confirm Password: .....

Call number assignment

Use internal number (Callno) / Single entries

Internet Telephony Phone Numbers

Add	1696000

Enter all call numbers supplied by your network provider here.  
Assignment of call numbers to telephones takes place in a further configuration step.

Help Abort Back OK & Next Delete Data

Data provided by Netfone via SMS, needs to be filled in the following fields:

**Internet telephony station:** Phone number is inserted here (e.g: 1696000)

**Authorization name:** Phone number is inserted here (e.g: 1696000)

**Password:** Password provided by Netfone

Enter the Phone number under the Internet Telephony Phone Numbers and Click [Add]

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Station for Netfone HU

Internet telephony station: 1696000

Authorization name: 1696000

Password: ....

Confirm Password: ....

Internet Telephony Phone Numbers

Add	
Delete	1696000

Enter all call numbers supplied by your network provider here.  
Assignment of call numbers to telephones takes place in a further configuration step.

Help Abort Back OK & Next Delete Data

Click [OK & Next].



If more call numbers have to be added, for each phone number assigned by Netfone a “New Internet Telephony Station” needs to be added by Clicking [Add]:

**Internet Telephony Stations for Netfone HU**

	Name of Internet Telephony Station
Add	New Internet Telephony Station
Edit	1696000

Help Abort Back OK & Next

Click [OK & Next]

**Call Number Assignment for Netfone HU**

So that an internal participant or members of a call group can telephone via Internet without an "Internet Telephony Phone Number", the "Internet Telephony Phone Number" must be configured with 'Use as PABX number for outgoing calls'.

Name of Internet Telephony Station	Internet Telephony Phone Number	Internal Call Number	Use as PABX number for outgoing calls
1696000	1696000	444 -	<input checked="" type="radio"/>

Help Abort Back OK & Next

On this page you have to assign the internal call numbers to each Internet Telephony Phone Number. For one of the Telephony Phone Numbers, you must click the “Use as PABX number for outgoing calls” radio button. This number will be used as default number for cases where the originator of outgoing call has no dedicated Internet Telephony Number assigned to it.

Click [OK & Next]

Setup - Wizards - Central Telephony - Internet Telephony

Provider configuration and activation for Internet Telephony

No call via Internet: ☐

Country specific view: Hungary

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"/>	Broadcloud
Edit	<input type="checkbox"/>	COLT UK & Europe
Edit	<input type="checkbox"/>	COLT VPN
Edit	<input checked="" type="checkbox"/>	Netfone HU
Edit	<input type="checkbox"/>	Skype Connect

Help Abort Back OK & Next Display Status

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 on the Netfone SMS.

Setup - Wizards - Central Telephony - 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: 4

Distribute Lines

**Line assignment**

Internet Telephony Service Provider	Configured Lines	Assigned Lines
Netfone HU	4	4

Help Abort Back OK & Next

Click [OK & Next]

## Special phone numbers

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

Note:  
Please make sure that all special call numbers are supported by the selected provider without fail.


Special phone number	Dialed digits	Dial over Provider
1	0C112	Netfone HU ▼
2		Netfone HU ▼
3		Netfone HU ▼
4		Netfone HU ▼
5		Netfone HU ▼
6		Netfone HU ▼
7		Netfone HU ▼
8		Netfone HU ▼
9		Netfone HU ▼
10		Netfone HU ▼
11		Netfone HU ▼

Help Abort Back OK & Next

Click [OK & Next]

On next page status of ITSP is displayed.

Status for the Internet Telephony Service Provider (ITSP)

	Provider	Enabled	User	
 Restart	Netfone HU	Enabled	16960002	registered Diagnose

Help Abort Back Next

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 section labeled "Exchange Line Seizure" containing a "Trunk Access Code" field with the value "0". Below that is a "Dial over Provider" dropdown menu showing "Netfone HU". The next section is labeled "Area Code" and contains the text "Please enter the local area code." followed by a "Local area code: 06" label and a text input field containing the digit "1". At the bottom, there are four buttons: "Help", "Abort", "Back", and "OK & Next".

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 is a table with the following content:

	Seizure code for 'Outside line Seizure'	
Netfone HU	855	

At the bottom, there are four buttons: "Help", "Abort", "Back", and "OK & Next".

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

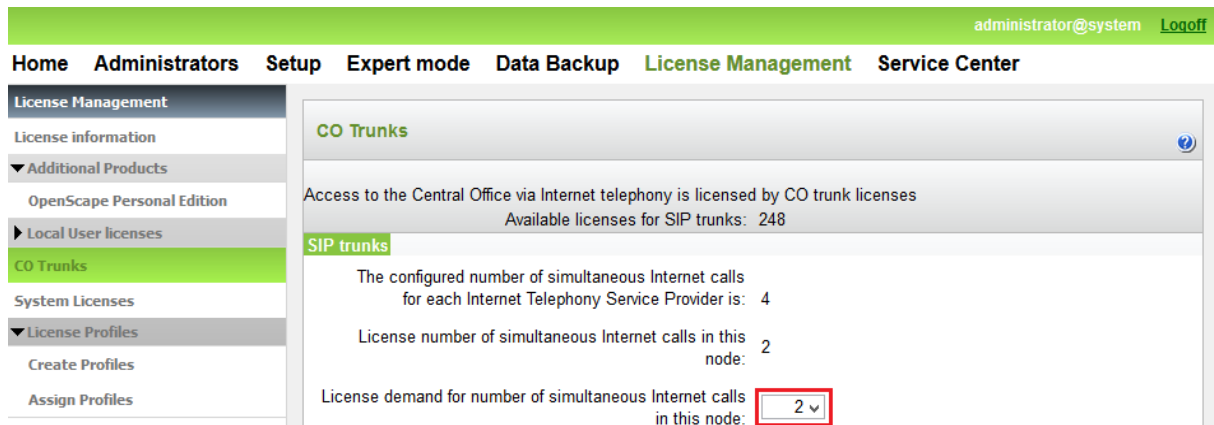
## DID configuration

You don't need to configure DID for stations because MSN mode is selected during activation of ITSP.

## Additional Configuration

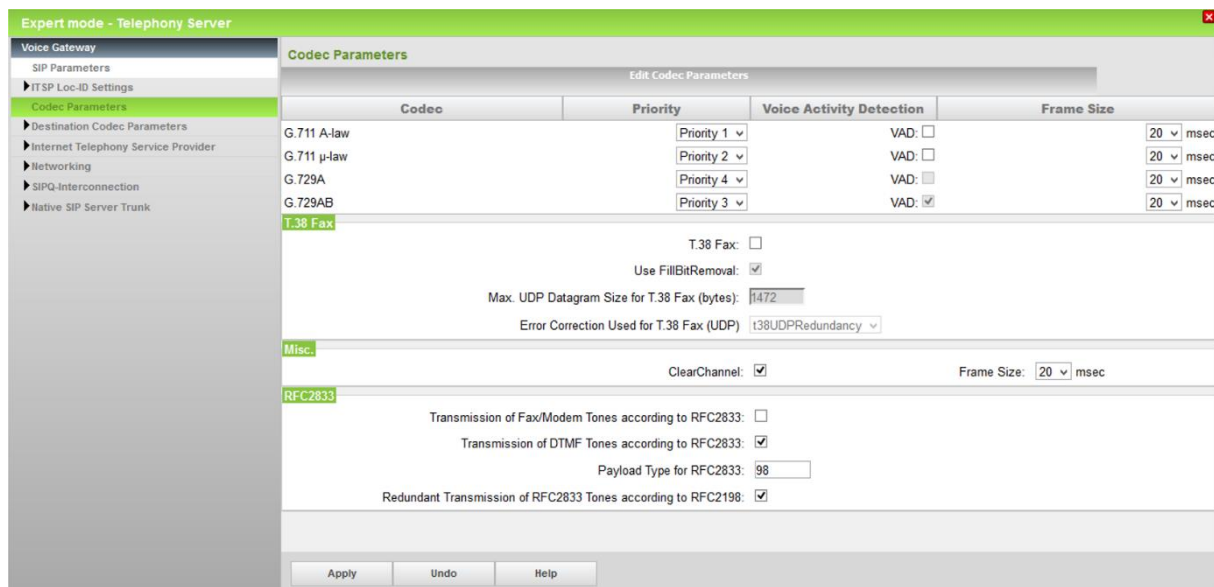
### License (Mandatory)

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



### Codecs Settings (Mandatory)

T38 fax protocol is not supported by this provider. Fax is supported via G.711 only. For this reason you MUST disable T38 protocol under Expert Mode-Telephony server-VoiceGateway-Codec Parameters.



### Route configuration (optional)

The route configuration will be created automatically. Not necessary to edit/change anything there.

### LCR changes ( optional)

All necessary LCR rule will be created automatically. Not necessary to edit/change anything there.

## Known restrictions:

If a fax device is connected behind Mediatrix VOIP Gateway or any other SIP terminal Adaptor, T38 protocol MUST be disabled on the Terminal Adaptor

Example for Mediatrix is following:

web administration portal :

**Mediatrix**

System Network POTS SIP **Media** Telephony Call Router

Codecs Security RTP Statistics Misc

✚ **Codecs**

Select Endpoint: Default

Codec	Voice	Data	Advanced
G.711 a-Law	Enable	Enable	Edit
G.711 u-Law	Enable	Enable	Edit
G.726 16Kbps	Disable		Edit
G.726 24Kbps	Disable		Edit
G.726 32Kbps	Disable	Disable	Edit
G.726 40Kbps	Disable	Disable	Edit
G.729	Enable		Edit
T.38		Disable	Edit
Clear Mode	Disable	Disable	Edit
Clear Channel	Disable	Disable	Edit
X CCD	Disable	Disable	Edit

**Generic Voice Activity Detection (VAD)**

Enable (G.711 and G.726): Conservative

Submit