

OpenScape Business

How to Configure SIP Trunk for Voyager New Zealand

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Table of History

Date	Version	Changes
28.06.2019	1.0	First version for V2R7
09.09.2024	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 Voyager

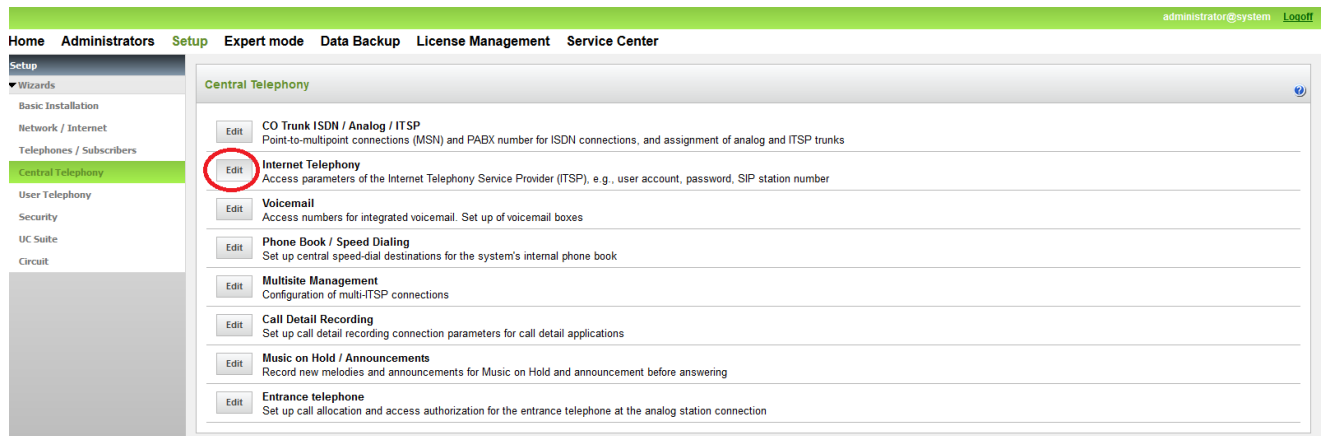
Example of info provided

Username: Labsystemtrunk1
Password: *****
Realm: 6786cc.sip.voyager.co.nz
Account Pilot Number: 6498765432
Test Number: 6491234567
Number of Channels: 10

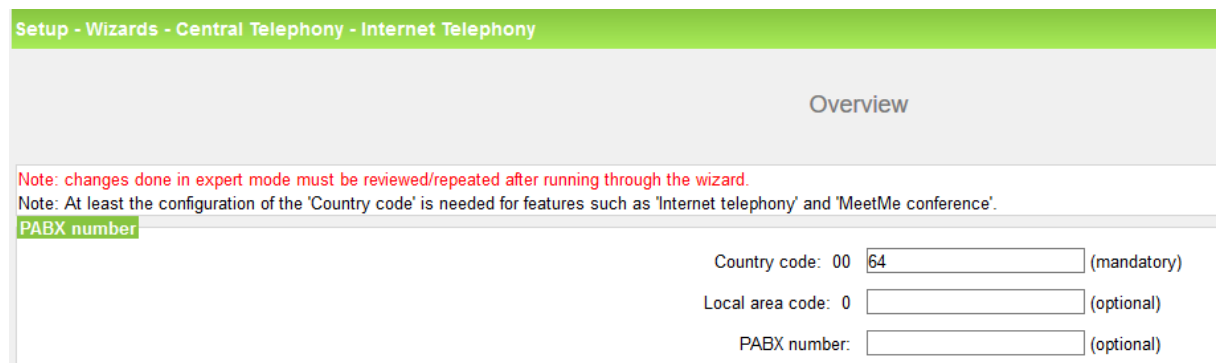
Configuration Wizard

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: New Zealand and select **Voyager**.

Setup - Wizards - Central Telephony - Internet Telephony

Provider configuration and activation for Internet Telephony

No call via Internet:

Country specific view: **New Zealand** v

Note: changes done in expert mode must be reviewed/repeated after running through the wizard.

	Activate Provider	Internet Telephony Service Provider
<input type="button" value="Add"/>		Other Provider
<input type="button" value="Edit"/>	<input type="checkbox"/>	Broadcloud
<input type="button" value="Edit"/>	<input type="checkbox"/>	COLT UK & Europe
<input type="button" value="Edit"/>	<input type="checkbox"/>	COLT VPN
<input type="button" value="Edit"/>	<input type="checkbox"/>	gnTel
<input type="button" value="Edit"/>	<input type="checkbox"/>	Orcon Ltd
<input type="button" value="Edit"/>	<input type="checkbox"/>	Skype Connect
<input type="button" value="Edit"/>	<input type="checkbox"/>	Skype for Business
<input type="button" value="Edit"/>	<input type="checkbox"/>	Telstra Clear WSIP
<input type="button" value="Edit"/>	<input type="checkbox"/>	Verizon
<input type="button" value="Edit"/>	<input type="checkbox"/>	Vodafone Anlagenanschluss R3
<input type="button" value="Edit"/>	<input type="checkbox"/>	VolPXS
<input type="button" value="Edit"/>	<input checked="" type="checkbox"/>	Voyager

Activate Provider and click on [Edit].

On the next page you have to enter the Realm provided by Voyager in all fields marked with “please.enter.here”:

- **Domain Name, Provider Registrar and Provider Proxy:**

The **Provider Outbound Proxy** is not used and therefore left deactivated.

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Service Provider

Provider Name: Voyager
Enable Provider:
Secure Trunk:
Domain Name: 6786cc.sip.voyager.co.nz

Provider Registrar
Use Registrar:
IP Address / Host name: 6786cc.sip.voyager.co.nz
Port: 5060
Reregistration Interval at Provider (sec): 600

Provider Proxy
IP Address / Host name: 6786cc.sip.voyager.co.nz
Port: 5060

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

Provider Feature
Route optimize active:

Help Abort Back OK & Next Delete Data

On this page the behavior of the features call forwarding can be controlled:

- "Route optimize active" deactivated (default) -> a call forwarding establishes a second connection and control of the call remains in the system
- "Route optimize active" activated -> Rerouting is carried out in the office during a call forwarding. The system loses further control over the call

Click [OK & Next].

In the next dialog the specific customer SIP Userdata will be configured.

Internet Telephony Stations for BroadCloud	
	Name of Internet Telephony Station
<input type="button" value="Add"/>	New Internet Telephony Station

Click on [Add].

Data provided by **Voyager**.

- Internet telephony station:** Username is inserted here (e.g: Labssystemtrunk1)
- Authorization name:** Username is inserted here (e.g: Labssystemtrunk1)
- Password:** Password provided by **Voyager**
- 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: 6498765432). Usually the **Lead Number** is entered here.

Internet telephony station: Labssystemtrunk1

Authorization name: Labssystemtrunk1

Password:

Confirm Password:

Call number assignment: Use public number (DID)

ITSP-multiple route:

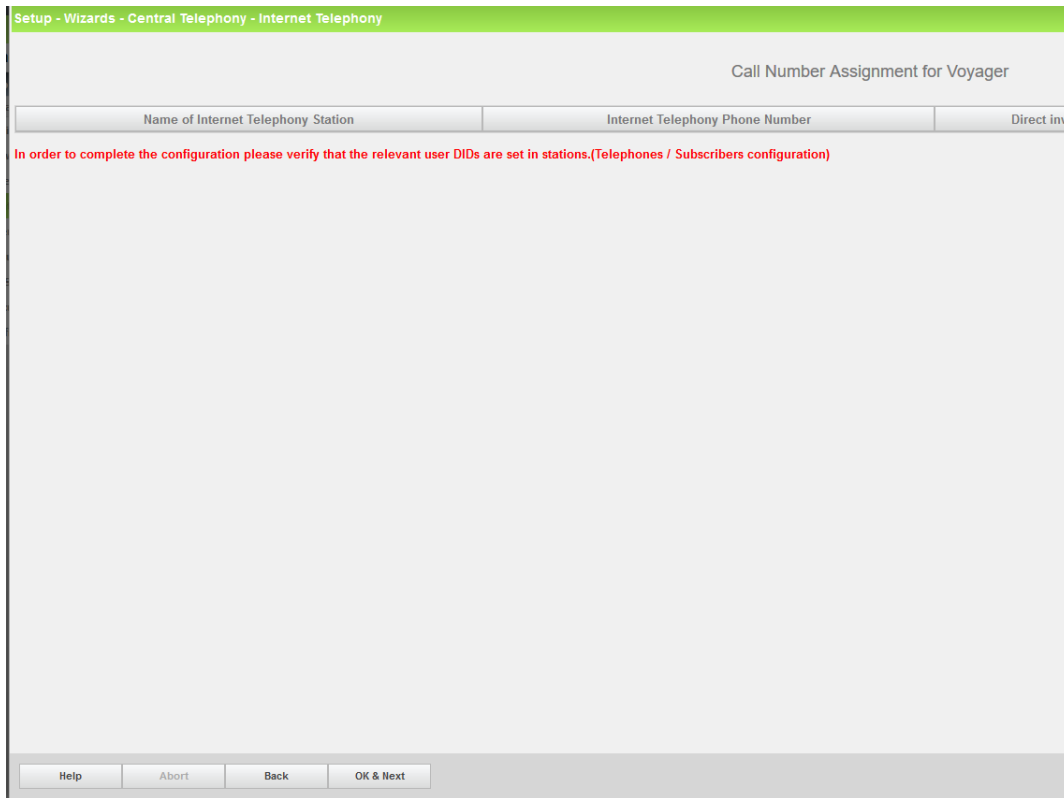
Default Number: 6498765432

Default Number
ITSP as primary CO access
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. All call numbers supplied by your network provider are to be entered within the trunk and telephones configuration (DID field) primary CO access.

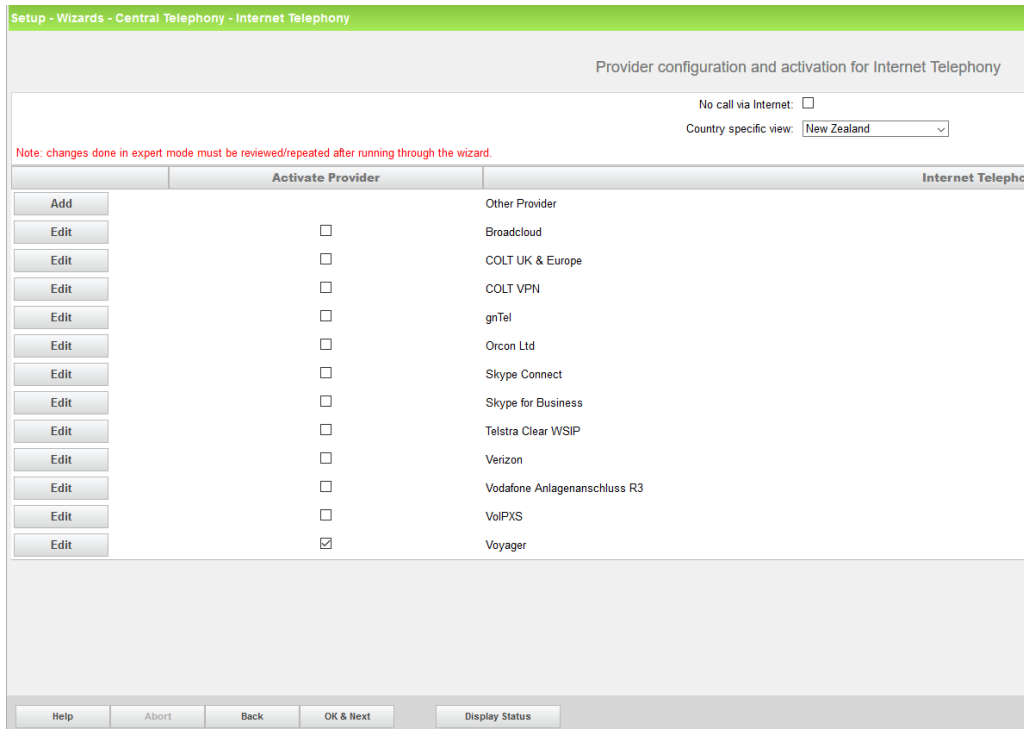
Enter the relevant data and click [OK & Next].

Internet Telephony Stations for Voyager	
	Name of Internet Telephony Station
<input type="button" value="Edit"/>	Labssystemtrunk1

Click [OK & Next]



Click [OK & Next] (no input needed)



Click [OK & Next]

Define bandwidth (# Trunks)

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

Setup - Wizards - Central Telephony - Internet Telephony

Settings for Internet Telephony

Simultaneous Internet Calls

Available Lines for ITSP: 170

Under 'Setup - Wizards - Network / Internet - Internet Access', you have entered the value **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.

Number of Simultaneous Internet Calls:

Line assignment

Internet Telephony Service Provider	Configured Lines	Assigned Lines
BroadCloud	0	<input type="text" value="10"/>

Click [OK & Next]

Special phone numbers

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

Setup - Wizards - Central Telephony - Internet Telephony

Special phone numbers

Note:
Emergency calls should always be built up with ISDN or Analog Trunk for safety reasons.
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	10111	ISDN
2		ISDN
3		ISDN
4		ISDN
5		ISDN
6		ISDN
7		ISDN
8		ISDN
9		ISDN
10		ISDN
11		ISDN
12		ISDN
13		ISDN
14		ISDN
15		ISDN

Click [OK & Next]

On next page status of ITSP is displayed.

Setup - Wizards - Central Telephony - Internet Telephony

Status for the Internet Telephony Service Provider (ITSP)

Provider	Enabled	User
Voyager	Enabled	user_uiyguh registered

Restart Diagnose

Click [Next]

„Exchange Line Seizure“:

Select which trunk will access code 1.

Setup - Wizards - Central Telephony - Internet Telephony

Exchange Line Seizure

Exchange Line Seizure

Trunk Access Code 1

Dial over Provider ISDN

Click [OK & Next]

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

Setup - Wizards - Central Telephony - Internet Telephony

Seizure Code for the 'Outside line Seizure'

Seizure code for 'Outside line Seizure'
ISDN 1
Voyager 6200

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

DID configuration

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

CallNo	DID	First Name	Last Name	Display	Clip/Lin	Active	Device Type
700	-	-	-	-	-	✓	optiPoint 500 Advance
701	649123456	-	-	-	-	✓	optiPoint 500 Standard
702	-	-	-	-	-	✓	optiPoint 500 Economy
703	-	-	-	-	-	✓	optiPoint 500 Standard
704	-	-	-	-	-	-	-

Additional Configuration

License

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

Home Administrators Setup Expert mode Data Backup License Management Service Center

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: 32

SIP trunks

The configured number of simultaneous Internet calls for each Internet Telephony Service Provider is: 10
License number of simultaneous Internet calls in this node: 10
License demand for number of simultaneous Internet calls in this node: 10

PRI (S2M/T1)

Type Slot	Port	Feature	Demands

LCR Tables

Remove the default entries for access code “1” and insert correct entries beginning at Dial Plan entry 101

Known limitations and restrictions:

T38 fax protocol is supported by **Voyager** as well as Fax via G.711.

However, Fax Transmission is not guaranteed on the **Voyager** network meaning there is no technical support from **Voyager** for Fax transmission issues.