OpenScape Business V3



How to Configure SIP Trunk for RoutIT TLS NL

About this document

This configuration guide describes an example of how to set up the SIP trunk *RoutIT TLS NL* 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			
RoutIT TLS NL	Features & Capabilities			
Account (DID/Client)	DID			
Multisite	yes - single trunk			
CLIP / CLIR	yes			
CLIP no Screening	yes			
COLP	no			
Call Forwarding (302)	no			
DTMF (RFC2833/4733)	yes			
Codecs G711/G729	yes / no			
T.38 Fax	yes			
Secure trunk	yes			

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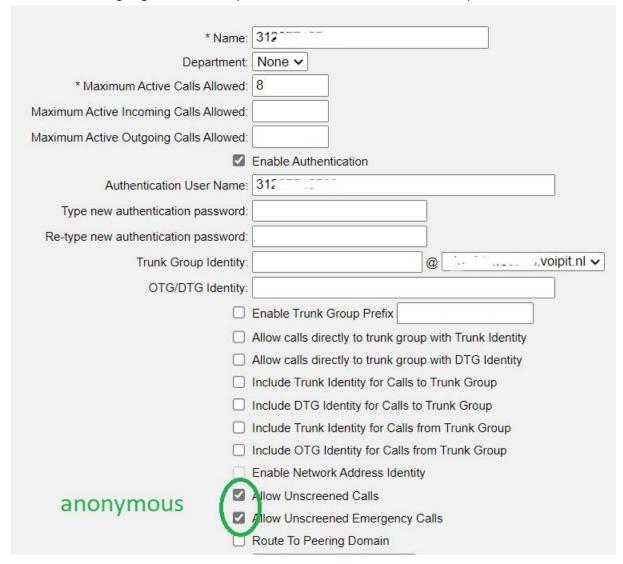
Date	Version	Changes	
2023-07-21	1.0	Release RoutIT TLS NL with OpenScape Business V3R3	

Information

The RoutIT TLS NL SIP-Trunk will be released for the first time with OpenScape Business V3R3.

Trunk Configuration Data provided by RoutIT

The configuration data needed to setup the SIP trunk can be found on the **RoutIT Broadsoft** Portal under SIP Trunking Page > Trunk Group > Edit under the selected Trunk Group:



Call Processing Policies

Following "Call Processing Policies" must be configured in **RoutIT Broadsoft** Portal

Call Processing Policies

View or modify Call Processing Policies for the group.

ОК	Apply	Cancel		
	<u> </u>			
— Calling	Line ID			
Use	group name for	Calling Line Identity		
2	•	ent Name Override		
	3			
O Use	e Group Calling I	ine Id Policy O Use	Enterprise Calling Line Id Policy	
Exte	_		per for Calling Line Identity	
	-		o for Calling Line Identity	
	00	se group/departmen	t phone number for Calling Line Identity	
Enterp	orise Calls: 🔘 U	se extension		
100	Ou	se location code plus	s extension	
	Ου	se External Calls Po	licy	
Gı	oup Calls: 🧑 U	se extension		
	Ou	se location code plus	s extension	
	00	se External Calls Po	licy	
Emerge	ency Calls: 🤘 U	se user phone numb	per for Calling Line Identity	
	Ου	se configurable CLIE	O for Calling Line Identity	
	Οu	se group/departmen	t phone number for Calling Line Identity	
☑ Alle	ow Alternate Nur	nbers for Redirecting	Identity	
Z Alle	ow Configurable	CLID for Redirecting	Identity	
☐ Alle	☐ Allow Mobile DN for Redirecting Identity			
☑ Blo	☑ Block Calling Name for External Calls			

Certificate import

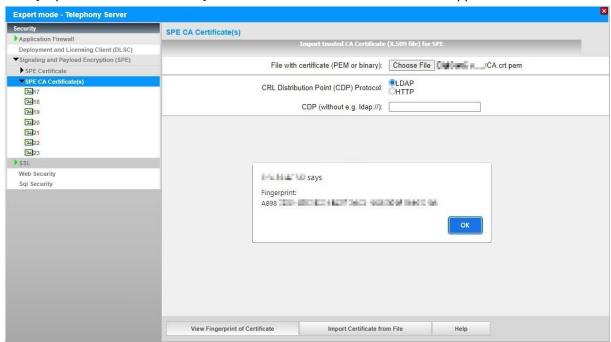
Customer needs to order the certificates from RoutIT.

Before OpenScape Business can establish a TLS connection to the ITSP server, the certificates provided by the ITSP must be imported.

The certificate import is performed in the WBM page Expert mode -> Telephony Server -> Security -> Signaling and Payload Encryption (SPE) -> SPE CA Certificates:

Select the *.pem file of your CA certificate and click [View Fingerprint of Certificate]. Close the window showing the fingerprint - click [OK].

Click [Import Certificate from File] and wait until the confirmation window appears.

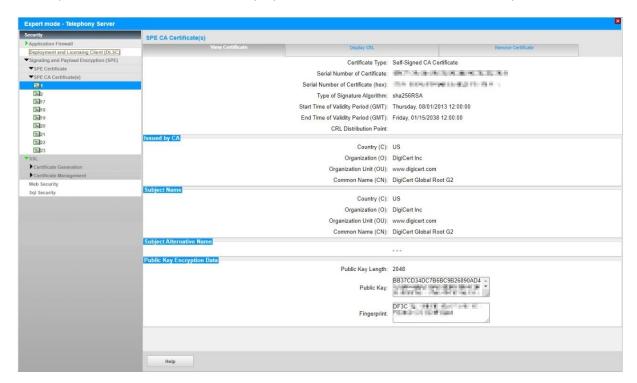


Close with [OK].



Note: OpenScape Business cannot import files with a "certificate chain". Each file can contain only one certificate.

The imported certificate can now be displayed. Click on the "number", not on the symbol.

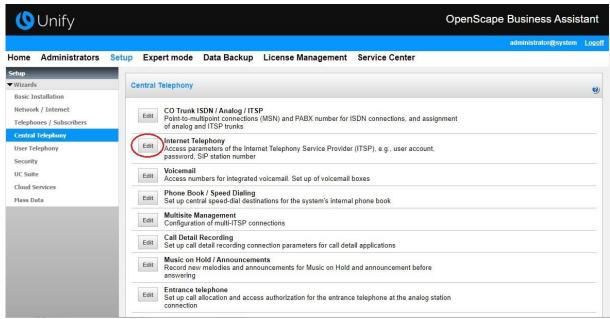


Then import the CA root certificate in the same way.

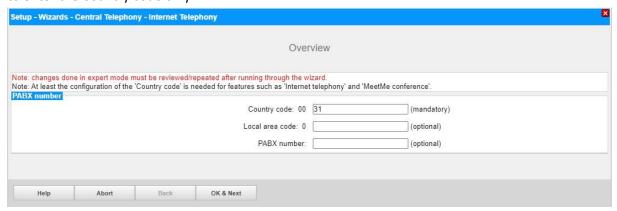
Configuration Wizard

Internet Telephony

Go to Central Telephony – "Internet Telephony"

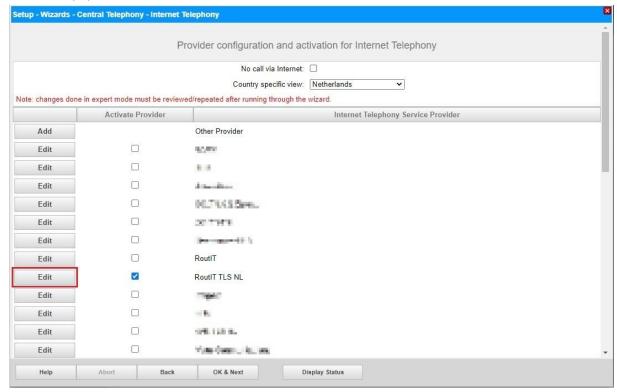


The overview page appears for entering the location data. The most flexible type of configuration is to enter the Country code only.



Click [OK & Next].

Provider configuration and activation for Internet Telephony -> No call via Internet -> **uncheck** Use County specific view: *Netherlands* and select *RoutIT TLS NL*.



Activate Provider and click on [Edit].

On the next page you have to enter the following information:

- Domain Name

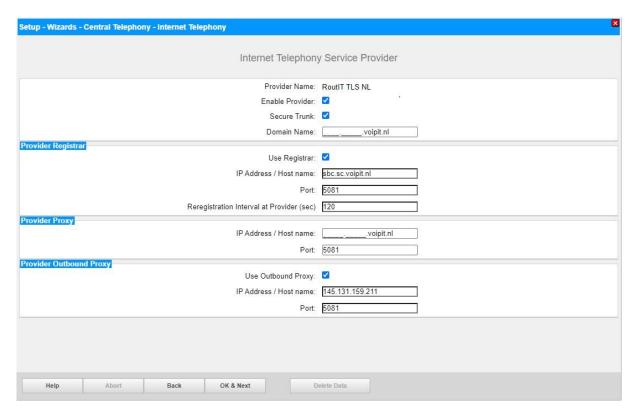
The SIP Domain Name can be found on the **RoutIT Broadsoft** Portal, under SIP Trunking Page > Trunk Group > Edit under the selected Trunk Group. The part required is found on the section called Registered Domain.

___.voipit.nl

- Trunking			
Trunk Group:	312		
* Line/Port:	312	@ (₃.voipit.nl ∨

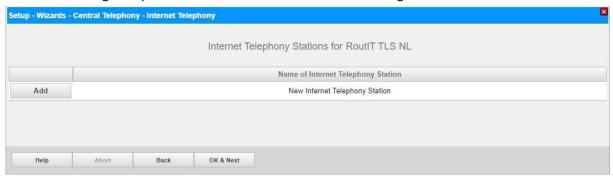
Provider Registrar, Provider Proxy and the Provider Outbound Proxy:

The **Provider Registrar** : sbc.sc.voipit.nl
The **Provider Proxy** : ___.__.voipit.nl
The **Provider Outbound Proxy** : 145.131.159.211



Click [OK & Next].

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



Click on [Add].

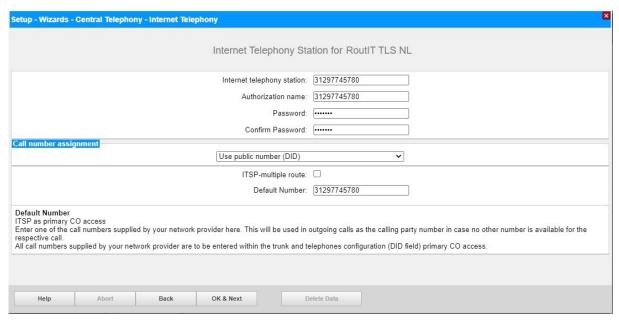
Data provided on the RoutlT Broadsoft Portal, under SIP Trunking Page > Trunk Group > Edit under the selected Trunk Group:

Internet telephony station:Username is inserted here (e.g: 31297745780)Authorization name:Username is inserted here (e.g: 31297745780)

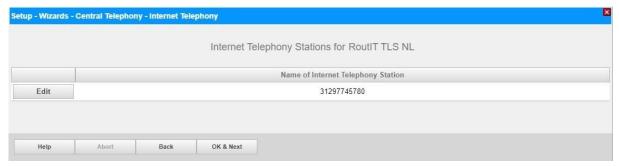
Password: Password provided by RoutIT

Default number: Main number of connection. The default number is used as outgoing

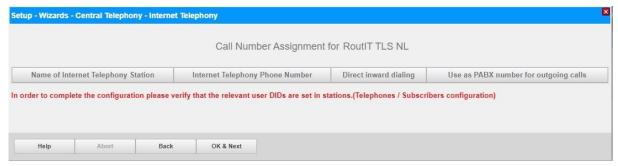
number when no DDI number is assigned to a station. (e.g: 31297745780). Usually the **Lead Number** is entered here.



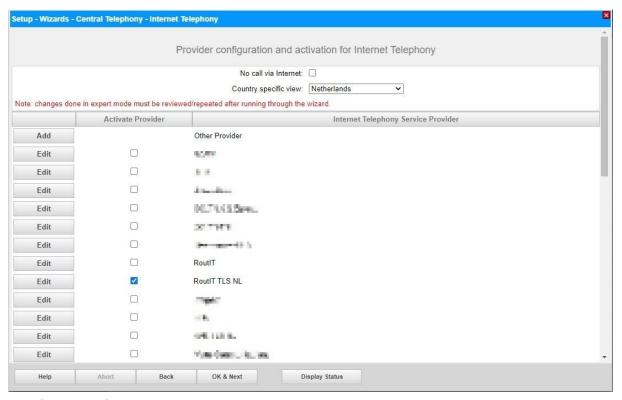
Enter the relevant data and click [OK & Next].



Click [OK & Next]



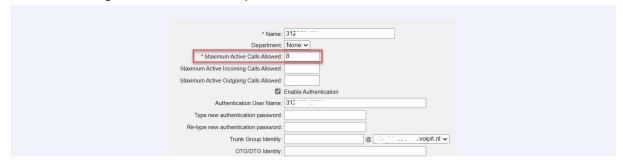
Click [OK & Next] (no input needed)

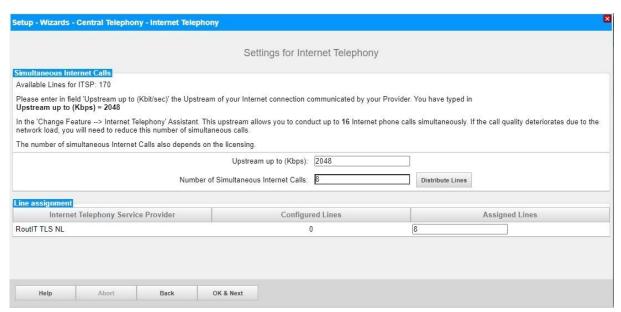


Click [OK & Next]

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 **RoutIT Broadsoft** Portal.

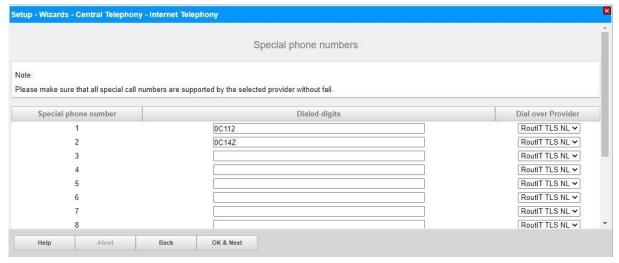




Click [OK & Next]

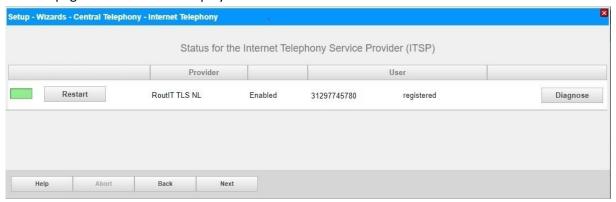
Special phone numbers

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



Click [OK & Next]

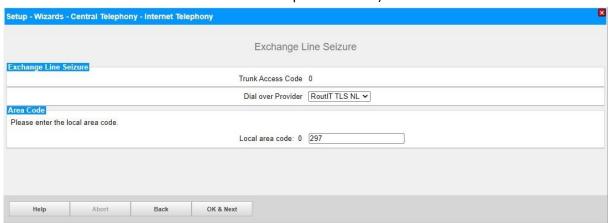
On next page status of ITSP is displayed.



Click [Next]

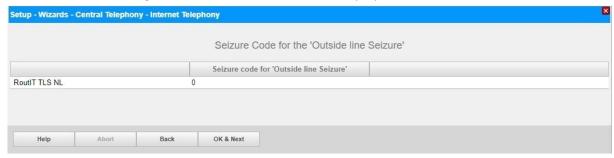
"Exchange Line Seizure":

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)

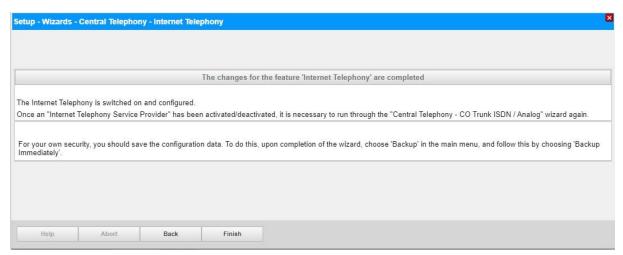


Click [OK & Next]

Overview with all configured "Outside line Seizure" are displayed.



Click [OK & Next] and



on the next page [Finish]

DID configuration

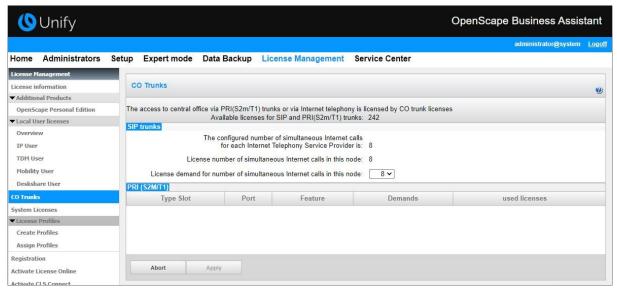
In the DID Section, the full DID will need to be entered without the country code.



Additional Configuration

License

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



Known limitations and restrictions:

- Codec G729 is not support by RoutIT TLS NL
- Call Deflection (SIP 302 Response) can't be configured in combination with TLS configuration
- COLP is not support by **RoutIT TLS NL** and therefore not tested in certification

Mandatory configuration in Expert Mode

Codec Parameters

Go to Expert Mode \rightarrow Telephony Server \rightarrow Voice Gateway \rightarrow Codec Parameters

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

- 1. G.729 is **NOT** supported by *RoutIT* and **SHOULD** be disabled.
- 2. RFC 2833 payload type MUST be 101.

