

OpenScape Business V2

How To Configure SIP Trunk for ITSP Vodafone Ziggo Integratie Partner Netwerk



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Date	Version	Changes	
2018-07-09	1.0	First version for Vodafone Ziggo	



Configuration Data

Infomation from ITSP Vodafone Ziggo Integratie Partner Netwerk provided:

Name	Example
Call Number:	(085) 04775570477559
Account ID:	31850477557
Password:	e.g.: Tg6%43
Number of voice-channels:	2



Configuration Wizard

Internet Telephony

Go to "Central Telephony – Internet Telephony"

System in network! Synchronization status: Internet Service Center Networking Setup Expert mode Data Backup License Management Service Center Networking Witzards Basic Installation Network / Internet Telephones / Subscribers Image: Contrait Telephony Image: Contrait Telephony User Telephony Edit Contrait Telephony Edit Internet Telephony Edit Internet Telephony Security Uc Smart Edit Network / Sipe at Dialing Internet Telephony Edit Security UC Smart Edit Network is the contraing connection parameters for call detail applications Edit Music on Hold / Announcements Edit Record new melodies and announcements for Music on Hold and announcement before answering Edit Edit on Location and access authorization for the entrance telephone at the analog station connection Edit Station connection Edit SmartVM	UNIFY Harmonize	prise Oper	Scape Business Assistant
Home Setup Expert mode Data Backup License Management Service Center Networking Setup • Wizards • Mizards • Mizards • Ø Basic Installation • Network / Internet • CO Trunk ISDN / Analog / ITSP • Ø Telephones / Subscribers • Edit Co Trunk ISDN / Analog / ITSP Point-to-multipoint connections (MSN) and PABX number for ISDN connections, and assignment of analog and ITSP trunks ● User Telephony • Edit Internet Telephony Access parameters of the Internet Telephony Service Provider (ITSP), e.g., user account, assignment of analog and ITSP trunks ● Uc Smart • Edit Phone Book / Speed Dialing • Edit Set up central speed-dial destinations for the system's internal phone book Edit Call Detail Recording Edit Set up call detail recording connection parameters for call detail applications Edit Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection Edit Edit Edit on connection Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection	System in networkd Synchronization sta	tus: O	administrator@system Logoff
Setup Witzards Basic Installation Network / Internet Telephones / Subscribers Central Telephony User Telephony Security UC Smart Edit Phone Book / Speed Dialing Set up central speed-dial destinations for the system's internal phone book Edit Call Detail Recording Edit Set up cant all detail recording connection parameters for call detail applications Edit Music on Hold / Announcements answering Edit Edit Set up call detail recording connection for the entrance telephone at the analog station connection Edit Set up call detail recording connection for the entrance telephone at the analog station connection	Home Setup Expert mode	Data Backup License Management Service Center Networking	
• Wizards Central Telephony Basic Installation Edit Network / Internet Telephones / Subscribers Central Telephony Edit Security User Telephony Security Edit UC Smart Edit Phone Book / Speed Dialing Edit Call Detail Recording Edit Call Detail Recording Edit Set up cantel and announcements for Music on Hold Announcements Edit Music on Hold / Announcements Edit Edit Call Detail Recording Edit Set up call detail recording on the other method and announcement before answering Edit Edit Call Detail Recording on the other method and announcement before answering Edit Edit Call Detail Recording connection parameters for Call detail applications Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection Edit Smart/M	Setup		1
Basic Installation CO Trunk ISDN / Analog / ITSP Telephones / Subscribers Edit Central Telephony Security User Telephony Edit Security Edit UC Smart Edit Out Call Detail Recording Set up call detail recording connection parameters for the system's internal phone book Edit Call Detail Recording Edit Call Detail Recording Edit Record new melodies and announcements for Music on Hold and announcement before answering Edit Edit Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection	▼ Wizards	Central Telephony	())
Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection Edit Set up SmartVM Edit Set up SmartVM	Basic Installation Network / Internet Telephones / Subscribers Central Telephony User Telephony Security UC Smart	Edit CO Trunk ISDN / Analog / ITSP Point-to-multipoint connections (MSN) and PABX number for ISDN connections, and assignment of analog and ITSP trunks Edit Internet Telephony Access parameters of the Internet Telephony Service Provider (ITSP), e.g., user account, password, SIP station number Edit Phone Book / Speed Dialing Edit Set up central speed-dial destinations for the system's internal phone book Edit Call Detail Recording Set up call detail recording connection parameters for call detail applications Edit Music on Hold / Announcements Record new melodies and announcements for Music on Hold and announcement before answering	
		Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection Edit SmartVM Edit Set up SmartVM	

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

Setup - Wizards - Central Telephony - Internet Telephony		ں		
Overview				
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' an PABX number	d 'MeetMe conference'.			
Country code:	31	(mandatory)		
Local area code:		(optional)		
PABX number:		(optional)		
Help Abort Back OK & Next				

In this case, remaining digits are filled in DID field.

Click [OK & Next]



Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck Use County specific view : Netherlands and select Vodafone Ziggo Integratie Partner Netwerk.

setup - wizards -	Central lelephony - Internet le			
		Provider	er configuration and activation for Internet Telephony	^
			Country specific view: Netherlands ~	
Note: changes don	e in expert mode must be reviewed/rep	eated after running through t	yh the wizard.	
	Activate Provider		Internet Telephony Service Provider	
Add		Other Provider		
Edit		BCOM		
Edit		Vodafone Ziggo Ir	o Integratie Partner Netwerk	
Edit		Voiceworks		
Edit		VoiceworksMEX	EX	
Edit		VoIPXS		
Edit		X2COM		
Edit		Ziggo		~
Help	Abort Back	OK & Next	Display Status	

Activate Provider and click on [Edit].



The following settings are shown. They should not be changed.

Setup - Wizards - Central Telephony - Internet Telephony	
Internet Telephony	/ Service Provider
Provider Name:	Vodafone Ziggo Integratie Partner Netwerk
Enable Provider:	
Secure Trunk:	
Domain Name:	voip.sipnl.net
Provider Registrar	
Use Registrar:	
IP Address / Host name:	voip.sipnl.net
Port:	0
Reregistration Interval at Provider (sec)	120
Provider Proxy	
IP Address / Host name:	voip.sipnl.net
Port:	0
Provider Outbound Proxy Use Outbound Proxy:	
IP Address / Host name:	0.0.0.0
Port:	D
Help Abort Back OK & Next	Delete Data



Internet Telephony configuration

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

Setup - Wizards - C	entral Telephony - Internet Tele				.
		Int	ernet Telephony Stations for	r BCom	
			Name of Internet Tele	phony Station	
Add			New Internet Teleph	ony Station	
Help	Abort Back	OK & Next			

Click on [Add].

Data provided by ITSP Vodafone Ziggo Integratie Partner Netwerk is inserted here.



Internet telephony station:	Account ID is inserted here.		
Authorization name:	Account ID is inserted here.		
Password:	Password provided is entered here.		
Call number assignment:	select "Use public number (DID)". This is the easiest and preferred way to define the phone numbers in the system. Phone numbers are treated as a normal DID number in the system as if it was normal ISDN.		
ITSP multiple route:	Has to be used in case more than one account of the same provider (in this case Vodafone Ziggo Integratie Partner Netwerk) has to be configured on the same system. When this flag is activated you will be able to define extra accounts.		
Default number:	Main number of connection. The default number is used as outgoing number when no DDI number is assigned to a station. (number must be in Implicitly international format)		

Setup - Wizards - Central Telephony - Internet Telephony					
Internet Telephony Station for Vodafone Ziggo Integratie Partner Netwerk					
Internet telephony station:	31850477557				
Authorization name:	31850477557				
Password:	•••••				
Confirm Password:	•••••				
Call number assignment	Use public number (DID)				
Use public number (UID)	Use internal number (Calno) / Single entries				
ITSP-multiple route:	Use internal number (Calino) / Range entry				
Default Number:	31850477557				
Default Number (TSP 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 callin All call numbers supplied by your network provider are to be entered within the trunk and telephones configuration (C	ng party number in case no other number is available for the respective call. ID field) primary CO access.				
Help Abort Back OK & Next Delete Data					

Click [OK & Next].



Setup - Wizards - C	entral Telephony - Internet Telephony 🛛
	Internet Telephony Stations for Vodafone Ziggo Integratie Partner Netwerk
	Name of Internet Telephony Station
Edit	31850477557
Help	Abort Back OK & Next

Click [OK & Next].

Setup - Wizards - Central Telephony - Internet Telepho	ny		×			
	Call Number Assignment for Vodafone Ziggo Integratie Partner Netwerk					
Name of Internet Telephony Station	Internet Telephony Phone Number	Direct inward dialing	Use as PABX number for outgoing calls			
In order to complete the configuration please verify that the	e relevant user DIDs are set in stations.(Telephones / Sub	scribers configuration)				
Help Abort Back 0	(& Next					

Click [OK & Next] (no input needed)



Define bandwidth (# Trunks)

In the next part the number of simultaneous calls via the SIP trunk will be defined. The calculation of the number of trunks is done by the wizard automatically depending on the bandwidth. For each 128K, one trunk is created. The number can also be defined manually.

setup - wizarus - centrar relephony - internet relephony					
Settings for Internet Telephony					
Simultaneous Internet Calls					
Available Lines for ITSP: 186					
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) = 256					
In the 'Change Feature -> Internet Telephony' Assistant. This upstream allows you to conduct up to 2 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): 256					
Number of Simultaneous Internet Calls: 2 Distribute Lines					
Line assignment					
Internet Telephony Service Provider	Configured Lines		Assigned Lines		
Vodafone Ziggo Integratie Partner Netwerk	2	2			
Help Abort Back OK & Next					

Click [OK & Next]

Special phone numbers

In this dialog it is possible to route special phone numbers. When special phone numbers are not supported over the ITSP route it is possible to change this here.

	rnet Telephony			
Special phone numbers				
make sure that all special call numbers a	re supported by the selected provider without fail.			
Special phone number	Dialed digits	Dial over Provider		
1	0C112	Vodafone Ziggo Integratie Partner Netwerk 🗸		
2		Vodafone Ziggo Integratie Partner Netwerk 🗸		
3		Vodafone Ziggo Integratie Partner Netwerk ∨		
4		Vodafone Ziggo Integratie Partner Netwerk 🗸		
5		Vodafone Ziggo Integratie Partner Netwerk 🗸		
6		Vodafone Ziggo Integratie Partner Netwerk 🗸		
7		Vodafone Ziggo Integratie Partner Netwerk 🗸		
8		Vodafone Ziggo Integratie Partner Netwerk 🗸		
9		Vodafone Ziggo Integratie Partner Netwerk 🗸		
10		Vodafone Ziggo Integratie Partner Netwerk 🗸		
11		Vodafone Ziggo Integratie Partner Netwerk 🗸		
12		Vodafone Ziggo Integratie Partner Netwerk 🗸		
13		Vodafone Ziggo Integratie Partner Netwerk 🗸		
		Vodafone Ziggo Integratie Partner Netwerk ~		
14				



Click OK & Next and the ITSP status will be displayed

Setup - Wizards - Central Telephony - Internet Telephony 🗧 💆						
	Status for the Internet Telephony Service Provider (ITSP)					
		Provider			User	
	Restart	Vodafone Ziggo Integratie Partner Netwerk	Enabled	31850477557	registered	Diagnose
	Help Abort	Back Next				

In case status LED is orange there is something wrong in the previous configuration.

After this status page the dialog with "Exchange Line Seizure" is displayed.

Here you need to configure your own local area code. This is needed to make external calls without the area code. The LCR will be adapted accordingly.

Setup - Wizards - Central Telephony - Internet Telephony	
Exchange Lin	ne Seizure
Exchange Line Seizure	
Dial over Provider	Vodafone Ziggo Integratie Partner Netwerk 🗸
Please enter the local area code.	
Help Abort Back OK & Next	



Configuration in Expert mode

Voice Gateway Codecs

Please note that our tests have shown that fax transmission using the T.38 protocol was not successful. The T.38 Fax flag should be disabled.

Using the path Expert > Voice Gateway > Codec Parameters uncheck the T.38 Fax check box

Expert mode - Telephony Server X					
Voice Gateway	Codec Barameters				
SIP Parameters	Edit Codes Parameters				
ITSP Loc-ID Settings	Eur Couet Parameters				
Codec Parameters	Codec	Priority	Voice Activity Detection	Frame Size	
Destination Codec Parameters	G 711 A-law	Priority 1 T			20 🔻 msec
Internet Telephony Service Provider	0.711 / 100	Thomy T			20 - 11360
Networking	G./11 µ-law	Priority 2 V	VAD:		20 V msec
SIPQ-Interconnection	G.729A	Priority 4 🔻	VAD:		20 T msec
Native SIP Server Trunk	G.729AB	Priority 3 🔻	VAD: 🗹		20 T msec
	T.38 Fax				
		T.38 Fax:			
		Use FillBitRemoval:	¢		
	Max. UDP Datagram Size for T.38 Fax (bytes): Error Correction Used for T.38 Fax (UDP) Misc. ClearChannel: REC2833		1472		
			t38UDPRedundancy T		
			×	Frame Size: 20 • msec	
	Transmission of Fax/Modem Tones according to RFC2833:				
	Transmission of DTMF Tones according to RFC2833:		S		
		Payload Type for RFC2833:	98		
	Redundant Transmission of RFC2833 Tones according to RFC2198:				
	Apply Undo He	lp			