OpenScape Business V2



How to Configure SIP Trunk for Jaguar Network-France

Table of Contents

Trunk Configuration Data provided by Jaguar Network	4
Configuration Wizard	5
Internet Telephony	5
Define bandwidth (# Trunks)	13
Special phone numbers	14
DID configuration	15
Additional Configuration	16
License	16
Known limitations and restrictions:	16
Mandatory configuration in Expert Mode	17
LCR	17
SIP Parameter	18
Port management	18
Codec Parameters	20

Table of History

Date	Version	Changes
10.10.2019	0.1	First version for V2R7.1

Trunk Configuration Data provided by Jaguar Network

Example of info provided by Jaguar

Primary trunk : siprouting.trunking.private.mar02.as30781.net (mar -> Marseille) Rescue trunk : siprouting.trunking.private.par01.as30781.net (par -> Paris) Login : ST0123456 Password : 123abc!xyz NDI : 0970660130 NDS : 0970660131 to 0970660134 Codecs : G711a , G729, G711u Number of channels: 8

Configuration Wizard

Internet Telephony

Go to Central Telephony – "Internet Telephony"

	nize nterprise	OpenScape Business Assistant
		administrator@system Logof
Home Administrators	Setup Expert mode Data Backup License Management Service Center	
Setup		
▼ Wizards	Central Telephony	۷
Basic Installation Network / Internet 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	
Central Telephony	Edit Internet Telephony Access parameters of the Internet Telephony Senice Provider (ITSP), e.g., user account, password, SIP station number	
User Telephony Security	Edit Voicemail Access numbers for integrated voicemail. Set up of voicemail boxes	
UC Suite Circuit	Edit Phone Book / Speed Dialing Set up central speed-dial destinations for the system's internal phone book	
	Edit Multisite Management Configuration of multi-ITSP connections	
	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 Entrance telephone Set up call allocation and access authorization for the entrance telephone at the analog station connection	

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			
	Over	view	
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'.			
PABX number			
	Country code: 00	33	(mandatory)
	Local area code: 0		(optional)
	PABX number:		(optional)

Click [OK & Next].

Provider configuration and activation for Internet Telephony -> No call via Internet -> uncheck Use County specific view: France and select primary trunk location e.g. "Jaguar Network Marseille"

Setup - Wizards -	Central Telephony - Internet Te	lephony X
	_	· · · · · · · · · · · · · · · · · · ·
	Р	rovider configuration and activation for Internet Telephony
		No call via Internet:
		Country specific view: France
Note: changes dor	ne in expert mode must be reviewed	//repeated after running through the wizard.
	Activate Provider	Internet Telephony Service Provider
Add		Other Provider
Edit		Acropolis
Edit		Bouygues
Edit		Broadcloud
Edit		COLT UK & Europe
Edit		COLT VPN
Edit		Completel
Edit		Foliateam Operateur
Edit		gnTel
Edit		Hexatel
Edit		IP Directions
Edit	<u>~</u>	Jaguar Network Marseille
Edit		Jaguar Network Paris
Help	Abort Back	OK & Next Display Status

Which of the two locations (Paris or Marseille) needs to be selected for primary is defined by Jaguar in the data received for the trunk configuration

Activate Provider and click on [Edit].

Setup - Wizards - Central Telephony - Internet Telephony	×
Internet Telephony	y Service Provider
Provider Name:	Jaguar Network Marseille
Enable Provider:	0
Secure Trunk:	
Domain Name:	siprouting.trunking.private.m
Provider Registrar	
Use Registrar:	
IP Address / Host name:	
Port:	5060
Reregistration Interval at Provider (sec)	600
Provider Proxy	
IP Address / Host name:	siprouting.trunking.private.m
Port:	5060
Provider Outbound Proxy Use Outbound Proxy:	
IP Address / Host name:	0.0.0.0
Port:	0
Help Abort Back OK & Next	elete Data

Nothing needs to be entered in this page, the server addresses are predefined:

Click [OK & Next].

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

Setup - Wizards - Central Telepho	ny - Internet Telephony	×
	Internet Telephony Stations for Jaguar Network Marseille	
	Name of Internet Telephony Station	
Add	New Internet Telephony Station	

Click on [Add].

Data provided by the technician:		
Internet telephony station:	Username is inserted here (e.g: 0970660130)	
Authorization name:	Username is inserted here (e.g: ST001043)	
Password:	Password provided by Jaguar Network	
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: 0970660130). Usually the Lead Number is entered here.	

Setup - Wizards - Central Telephony - Internet Telephony		
Internet Telephony Station	for Jaguar Network Marseille	
Internet telephony station	0970660130	
Authorization name	ST001043	
Password		
Confirm Password		
Call number assignment		
Use public number (DID)	T	
ITSP-multiple route		
Default Number	0970660130	
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.		
Help Abort Back OK & Next	elete Data	

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

Setup - Wizards ·	Central Telephony - Internet Telephony	×
	Internet Telephony Stations for Jaguar Network Marseille	
	Name of Internet Telephony Station	
Edit	0970660130	
Help	Abort Back OK & Next	

Click [OK & Next]

Setup - Wizards - Central Telephony - Interne	et Telephony		2
	Call Number Assignment for Jac	guar Network Marseille	3
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 relevant user DIDs are set in stations.(Telephones / Subscribers configuration)			
Help Abort Back	OK & Next		

Click [OK & Next] (no input needed)

The next page displays the different ITSPs again. Now it is time to activate the "rescue trunk"

Setup - Wizards - Central Telephony - Internet Telephony			
	Provider configuration and activation for Internet Telephony		
		No call via Internet:	
		Country specific view: France	
Note: changes do	ne in expert mode must be reviewed	Vrepeated after running through the wizard.	
	Activate Provider	Internet Telephony Service Provider	
Add		Other Provider	
Edit		Acropolis	
Edit		Bouygues	
Edit		Broadcloud	
Edit		COLT UK & Europe	
Edit		COLT VPN	
Edit		Completel	
Edit		Foliateam Operateur	
Edit		gnTel	
Edit		Hexatel	
Edit		IP Directions	
Edit	×	Jaguar Network Marseille	
Edit		Jaguar Network Paris	
Help	Abort Back	OK & Next Display Status	

Activate Provider and click on [Edit].

Nothing needs to be entered in this page, the server addresses are predefined

Setup - Wizards - Central Telephony - Internet Telephony	
Internet Telephony	/ Service Provider
Provider Name:	Jaguar Network Paris
Enable Provider:	•
Secure Trunk:	
Domain Name:	siprouting.trunking.private.pa
Provider Registrar	
Use Registrar:	U
IP Address / Host name:	
Port:	5060
Reregistration Interval at Provider (sec)	600
Provider Proxy IP Address / Host name:	siprouting trunking private pa
Port:	5060
Provider Outbound Proxy Use Outbound Proxy:	
IP Address / Host name:	0.0.0
Port:	0
Help Abort Back OK & Next De	Hete Data

Click [OK & Next].

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

Setup - Wizards - Central Telephony - Internet Telephony		
Internet Telephony Stations for Jaguar Network Paris		
Name of Internet Telephony Station		
Add New Internet Telephony Station		

Click on [Add].

The Internet telephony station MUST be unique, so please use either a unique string or take the Username with a suffix

Data provided by the technician:

Internet telephony station:	Username with suffix is inserted here (e.g: 0970660130-rescue) (different from entry in primary trunk !)
Authorization name:	Username (same entry as in primary trunk)
Password:	Password (same entry as in primary trunk)
Default number:	Lead number of connection (same entry as in primary trunk)

Setup - Wizards - Central Telephony - Internet Telephony

Internet Telephony Station for Jaguar Network Paris			
Internet telephony station: 0970660130-rescue			
Authorization name: ST001043			
Password: ••••••			
Confirm Password:			
Call number assignment			
Use public number (DID)			
ITSP-multiple route:			
Default Number: 0970660130			
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.			
Help Abort Back OK & Next Delete Data			

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

Setup - Wizards -	Central Telephony - Internet Telephony	
Internet Telephony Stations for Jaguar Network Paris		
	Name of Internet Telephony Station	
Edit	0970660130-rescue	
Help	Abort Back OK & Next	

Click [OK & Next]

×

Setup - Wizards - Central Telephony - Internet Telephony				
Call Number Assignment for Jaguar Network Paris				
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 relevant user DIDs are set in stations.(Telephones / Subscribers configuration)				
Help Abort Back	CK & Next			

Click [OK & Next] (no input needed)

The next page displays the different ITSPs again.

etup - Wizards - Central Telephony - Internet Telephony		
Provider configuration and activation for Internet Telephony		
		No call via Internet:
		Country specific view: France
Note: changes done	e in expert mode must be reviewed/	repeated after running through the wizard.
	Activate Provider	Internet Telephony Service Provider
Add		Other Provider
Edit		Acropolis
Edit		Bouygues
Edit		Broadcloud
Edit		COLT UK & Europe
Edit		COLT VPN
Edit		Completel
Edit		Foliateam Operateur
Edit		gnTel
Edit		Hexatel
Edit		IP Directions
Edit	V	Jaguar Network Marseille
Edit	×	Jaguar Network Paris
Help	Abort Back	OK & Next Display Status

Click [OK & Next]

Define bandwidth (# Trunks)

The amount of simultaneous Internet calls (**Assigned Lines**) must be aligned with the **Number of channels** assigned by Jaguar Network for this particular trunk. The information is provided from the technician at the time of the installation of the service.

Setup - Wizards - Central Telephony - Internet Telephony					
Settings for Internet Telephony					
Simultaneous Internet Calls Available Lines for ITSP: 202					
Please enter in field 'Upstream up to (Kbit/sec)' the Upstream Upstream up to (Kbps) = 10000	of your Internet connection con	nmunicated by your Provider. Ye	ou have typed in		
In the 'Change Feature> Internet Telephony' Assistant. This network load, you will need to reduce this number of simultan	upstream allows you to conducted eous calls.	t up to 60 Internet phone calls	simultaneously. If th	he call quality deteriorates due to the	
The number of simultaneous Internet Calls also depends on t	he licensing.				
	Upstream up to (Kbps):	10000			
Number	of Simultaneous Internet Calls:	8	Distribute Lines		
Line assignment					
Internet Telephony Service Provider	Configur	ed Lines		Assigned Lines	
Jaguar Network Marseille	C)	8		
Jaguar Network Paris	C)	8		_
Help Abort Back OK & Next					

Click [OK & Next]

Special phone numbers

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

tup - Wizards - Central Telephony - Internet Telephony			
Special phone numbers			
e make sure that all special call num	pers are supported by the selected provider without fail.		
Special phone number	Dialed digits	Dial over Provider	
1	0C15	Jaguar Network Marseille ▼	
2	0C17	Jaguar Network Marseille ▼	
3	0C18	Jaguar Network Marseille ▼	
4	0C112	Jaguar Network Marseille ▼	
5	0C115	Jaguar Network Marseille ▼	
6	0C119	Jaguar Network Marseille ▼	
7		Jaguar Network Marseille ▼	
8		Jaguar Network Marseille ▼	
9		Jaguar Network Marseille ▼	
10		Jaguar Network Marseille ▼	
11		Jaguar Network Marseille ▼	
12		Jaguar Network Marseille 🔻	
13		Jaguar Network Marseille 🔻	
14		Jaguar Network Marseille 🔻	
15		Jaguar Network Marseille 🔻	
Help Abort	Back OK & Next		

Please make sure that the numbers are routed to the primary trunk 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		U	lser	
Restart Jaguar Network Marseille	Enabled	0970660130	registered	Diagnose
Restart Jaguar Network Paris	Enabled	0970660130-rescue	registered	Diagnose
Help Abort Back Next				

Click [Next]

"Exchange Line Seizure": Select the primary trunk with 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)

Setup - Wizards - Central Telephony - Internet Telephony	8
Exchang	e Line Seizure
Trunk Access C	ode 0
Dial over Prov	der Jaguar Network Marseille 🔻
Area Code	
Please enter the local area code.	
Local area code	: 0 <mark>97</mark>
Help Abort Back OK & Next	

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'				
Jaguar Network Paris	858				
Jaguar Network Marseille	857				
Help Abort Back	OK & Next				

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.

Expert mode - Telephony Server								X
Station	Station							
▼ Station				ris charter				
UP0 Stations				cuit austriver				
▼IP Clients	Callno	DID †	First Name	Last Name	Display	Type	Active	Access
System Clients	Search:					.71-		
SIP Clients						T		
RAS User	3720	970660131	Fav	3720	3720 Eav	Analog Stations		45LAV 3.1
Deskshare User	2702	970660131		3723	3723, T AX	System Client	÷.	LAN 0.SVS.1
Analog Stations	3702 -	970660132	HEA	3702	3702, HEA	System Client	÷.	LAN 0-SYS-2
ISDN Stations	3705	57000135	SID	3705	3705 SID	SIP Client	÷.,	LAN 0-SIP-3
DECT Stations	3706	-	SIP	3706	3706 SIP	SIP Client	÷.	LAN 0-SIP-4
VW/EVM Ports	3707	-	SIP	3707	3707 SIP	SIP Client		LAN 0-SIP-5
Virtual Stations	3708	-	SIP	3708	3708 SIP	SIP Client		LAN 0-SIP-6
UC Applications	3709	-	SIP	3709	3709 SIP	SIP Client		LAN 0-SIP-7
Profiles/Templates	3710 →	-	SIP	3710	3710 SIP	SIP Client		LAN 0-SIP-8
DDI Extensions	3711 →	-	SIP	3711	3711, SIP	SIP Client		LAN 0-SIP-9
Mobility User	3712 →	-	SIP	3712	3712. SIP	SIP Client		LAN 0-SIP-10
Circuit User	3713 →	-	SIP	3713	3713. SIP	SIP Client		LAN 0-SIP-11
SfB User	3714 →	-	SIP	3714	3714. SIP	SIP Client		LAN 0-SIP-12
▼Stations Overview	3715 →	-	Teleworker	3715	3715, Teleworker	SIP Client	-	LAN 0-SIP-13

Additional Configuration

License

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

License Management							
License information	CO Trunks						
▼Additional Products							
OpenScape Personal Edition	The access to central office via PRI(S2m	n/T1) trunks or via l	nternet telephony is licensed by C	O trunk licenses			
▼Local User licenses	SID trunks	Available lice	enses for SIP and PRI(S2m/11) tru	inks: 250			
Overview	The configured number of simultaneous Internet calls						
IP User		for each Internet Telephony Service Provider is: 8					
TDM User	Li	License number of simultaneous Internet calls in this node: 0					
Mobility User	License demand for number of simultaneous Internet calls in this node: 8						
Deskshare User	PRI (S2M/T1)						
CO Trunks	Type Slot	Port	Feature	Demands			

Known limitations and restrictions:

Limitation:

In cases where an active call has negotiated a single codec (e.g. G711 only) Jaguar does not support renegotiating the media parameters to use a different one (e.g. G729). As a consequence it is not recommended to configure an OpenScpe business endpoint to use G729 only. G711 must be configured at least with 2nd priority.

Mandatory configuration in Expert Mode

For the usage of the Jaguar trunk the following configuration is mandatory:

- LCR overflow route configuration
- SIP Parameters
- SIP port configuration
- T.38 must be disabled in system

LCR

For the rescue trunk the routing tables in LCR needs to be configured manually

1. Note all routing tables used in the dial plan entries for the primary route (e.g. 8,9,30,40 in the example)

Expert mode - Telephony Server							
LCR	Dial Plan						
LCR Flags Classes Of Service		Change	Dial Plan	Display Dial Plan			
Dial Plan	Dial Plan	Name	Dialed digits	Routing Table	Acc. code	Classes of service	Emergency
Routing table	1	Annel d'une en en	Dialed digits		Accredat		
Dial rule	2	Appel d urgence	0015	$3 \rightarrow \rightarrow$			
Multisite	2	Appel d'urgence	0017			•	
	3	Appel d'urgence	0C18	8 ▼ →		•	•
	4	Appel d'urgence	0C112	8 ▼ →		•	e
	5	Appel d'urgence	0C115	8 ▼ →		•	•
	6	Appel d'urgence	0C119	8 ▼ →		×	 Image: A start of the start of
	7			8 ▼ →		4	
	8			8 ▼ →		«	
	9			8 ▼ →		A	
	10			8 • →		s and a second s	
	11			8 • →		s and a second s	
	12			8 • 		v	
	13			8 ▼ →		Image: A start of the start	
	14			8 ▼ →		Image: A start of the start	
	15			8 ▼ →		«	
	16	Services	0CZ	8 ▼ →		×	
	17	National	0C0-Z	$30 \rightarrow$		Image: A start of the start	
	18	Local	0017	9 7 →		1	
	19	Local	0CNZ			1	
	20	International	0000 7			v	
	21	Standard	95507				
	21	Standard	00002	<u>4</u> • →		-	
	Page 1 of 1	10	M 4 112131	4 5 6 7 8 9 🕨 🖻		Items per	page <u>10 25 50 100</u>
	Арг	oly Undo	Help				

2. These routing tables must be used in the dial plan entries of the rescue trunk as well:

Expert mode - Telephony Server							
LCR	Dial Plan						
LCR Flags		Change	e Dial Plan				
Dial Plan							
Routing table	Dial Plan	Name	Dialed digits	Routing Table	Acc. code	Classes of service	Emergency
Dial rule	35	Ann-Player		12 ▼ →		\$	· · · · · ·
Multisite	36	Jaquar Network M	857CZ	8 ▼ →		\$	
	37	Jaguar Network M	857C0-Z	30 ▼ →		4	
	38	Jaguar Network M	857C1Z	9 ▼ →		4	
	39	Jaguar Network M	857CNZ	9 ▼ →		4	
	40	Jaguar Network M	857C00-Z	40 ▼ →		st.	
	41	Jaguar Network P	858CZ	8 🔻 →		Image: A start and a start	
	42	Jaguar Network P	858C0-Z	30 ▼ →			
	43	Jaguar Network P	858C1Z	9 🔹 🔿			
	44	Jaguar Network P	858CNZ	9 🔻 🔶			
	45	Jaguar Network P	858C00-Z				
	46	Standard	80CZ	16 ▼ →			
	47	Standard	80C0-Z	16 ▼ →		\$	
	48	Standard	80C1Z	16 ▼ →			
	49	Standard	80CNZ	16 ▼ →		1	
	50	Standard	80C00-Z	16 v \rightarrow		1	
	51	Standard	81CZ	18 ▼ →		4	
	52	Standard	81C0-Z	18 ▼ →		1	
	53	Standard	81C1Z	18 ▼ →		•	
	54	Standard	81CNZ	18 V ->		4	
	55	Standard	81C00-Z	18 ▼ →		4	
	Page 1 of 1	0					
	Арр	ly Undo	Help				

3. Add the Route of the rescue trunk in the Routing Table and select the same Dial Rule as for the primary trunk. You may choose a warning for the overflow.

Expert mode - Telephony Server							×
LCR	Routing Table						
LCR Flags	Routing tuble		Change Douting Table				
Classes Of Service			change Kouting Table				
Dial Plan							
▼Routing table			Routing Table	:8	en-bloc	sending	
1 - Table	Dedicated	Dauta	Dial Dula		Manual and	Dedicated Cotomer	CW/ Ne de ID
2 - Table	Route	Route	Dial Rule	min. COS	warning	Dedicated Gateway	Gww Node ID
3 - Table	1	Jaguar Net 🔹	SIP <	15 🔻	None •	No 🔻	
4 - Table	2	Jaquar Net	SIP	15 🔻	Display T	No 🔻	
5 - Table				10	biopidy		
6 - Table	3	None •	None 🔻	15 •	None •	No •	
7 - Table	4	None 🔻	None 🔻	15 🔻	None 🔻	No 🔻	
8 - Table	5	None •	None 🔻	15 🔻	None •	No 🔻	

4. Repeat this step for all routing tables used for the Jaguar trunk ((e.g. 8,9,30,40 in the example)

<u>/ / /</u>							
Expert mode - Telephony Server							×
25 - Table							
26 - Table	Routing lable						
27 - Table			Change Routing Table				
28 - Table							
29 - Table			Routing Table	30	en-bloc	sending	
30 - Table							
31 - Table	Index Dedicated Route	Route	Dial Rule	min. COS	Warning	Dedicated Gateway	GW Node ID
32 - Table	1	Jaguar Net 🔹	National to Car ▼ →	15 🔻	None 🔻	No 🔻	
33 - Table	2	Lanuar Mat	National to Can -		Disalau	NI	
34 - Table	2	Jaguar Net	National_to_Car •	10 1	Display		
35 - Table	3	None 🔻	None 🔻	15 🔻	None 🔻	No 🔻	

SIP Parameter

If a trunk goes out of service the system needs 32 sec (SIP timeout) to initiate the call to the overflow route. Once a destination is detected as out of service it will not be used for *"Blocking time for unreachable destination"*. This timer is set to 60 sec in default and must be increased in a rescue route is available. A value of 1800 (30 min) is recommended.

Expert mode - Telephony Server		
Voice Gateway	SIP Parameters	
SIP Parameters	Edit STD Darametere	
ITSP Loc-ID Settings		
Codec Parameters	SIP Transport Protocol	
Destination Codec Parameters	SIP via TCP: Yes	
Internet Telephony Service Provider	SIP via UDP	
Networking		
SIPQ-Interconnection	SIP via TLS: Yes	
Native SIP Server Trunk	SIP Registrar	
	Period of registration (sec): 120	
	REC 3261 Timer Values	
	Transaction Timoout (mass): 32000	
	SIP Session Timer	
	RFC 4028 support:	
	Session Expires (sec): 1800	
	Minimal SE (sec): 90	
	DNS Records	
	Blocking time for unreachable destination(sec): 1800	
	Provider Calls	
	Maximum possible Provider Calls: 8	
	Apply Undo Help	

This change needs a system restart.

Port management

Go to Expert Mode \rightarrow Telephony Server \rightarrow Port Management

To comply with the requirements of the Jaguar Network the EXT_SIP port **MUST** be configured with 5060 (default is 5070).

Expert mode - Telephony Server			
Basic Settings	Port Management		
▼System		Edit Global Port Management Settings	
System Flags			
Time Parameters	Protocol Name	Port Number	Port Type
Display	CSP	8800	single
DISA Intercent/Attendant/Hotline	HFA	4060	single
	HEA EXT	4062	single
Texts		4061	single
Flexible menu		4061	single
Speed Dials	HFA_ILS_EXI	4063	single
Service Codes	MEB_SIP	15060	single
Gateway	RTP_MIN	29100	min. (ext. RTP-port range 30274-30529)
DynDNS	SIP	5070	single
Quality of Service	SIP_EXT	5060	single
Date and Time	SIP TLS SUB	5062	single
Port Management	SIP TLS SUB EXT	5071	single
Call Charges	SIPS	5061	single
Voicemail / Announcement Player		0770	-ii-
Phone Parameter Deployment	VSL_MOLTISTE	0110	single
	Apply Undo	Help	

The internal SIP port should be set to a different port (e.g. 5070). Having internal and external port with the same value is possible but may lead to significant security risks.

After the ports are changed OSBiz **MUST** be restarted.

Codec Parameters

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

To comply with the requirements of the Jaguar Network the following codec parameter **MUST** be changed:

- 1. Unsupported G729AB codec must be disabled.
- 2. T38 fax protocol is not supported by Jaguar Network, fax is supported via G.711 only. For this you MUST disable T38 protocol

Expert mode - Telephony Server					×				
Voice Gateway	Codec Parameters								
SIP Parameters		Edit Codec Parameter	5						
ITSP Loc-ID Settings									
Codec Parameters	Codec	Priority	Voice Activity Detection	Frame Size					
Destination Codec Parameters	G.711 A-law	Priority 1 🔻	VAD:		20 v msec				
Internet Telephony Service Provider	G 711 u law	Priority 2 💌	VAD:		20 • mooo				
Networking	G.711 p-law	Filolity 2 1	VAD. C		20 · Insec				
Native SID Server Truck	G.729A	Priority 4 🔻	VAD:		20 V msec				
Native SiP Server ITUNK	G.729AB	not used 🔻	VAD: 🗹		20 v msec				
	Enhanced DSP Channels								
		Use G.711 only							
	T.38 Fax	T.38 Fax							
		T.38 Fax:							
		Use FillBitRemoval: 🧭							
	Max. UDP Data	gram Size for T.38 Fax (bytes):	1472						
	Error Corr	ection Used for T38 Fax (UDP)	t38UDPRedundancy T						
	T 20 Faw		locobi ricuandanoj						
	1.50 Fax	Enable ECM:							
	Misc								
		ClearChannel:	×	Frame Size: 20 T msec					
	RFC2833								
	Transmission of Fax/Mode	m Tones according to RFC2833:							
	Transmission of DTM	F Tones according to RFC2833:							
		Payload Type for RFC2833:	98						
	Redundant Transmission of RFC283	3 Tones according to RFC2198:							
	Apply Undo H	elp							