dstny

OpenScape Business V3

How to: configure SIP Trunk for Dstny France

About this document

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

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Table of History

Date	Version	Changes
12.09.2023	1.0	release Dstny France SIP-Trunk with OpenScape Business V3R3
11.12.2023	1.1	update logo
10.09.2024	1.2	editorial changes

Information

The *Dstny France* SIP-Trunk will be released for the first time with OpenScape Business V3R3.

Trunk Configuration Data provided by Dstny

The configuration data needed to setup the SIP trunk

• can be found on the login web page of **Dstny**

https://home-openip-certification.extranet.mydstny.fr/Universe

Dstny must send to the technician/customer the credentials for login in their Web Page. Within it are the necessary parameters for the client-specific configuration for ITSP

Parameterization / Monitoring Trunk SIP NPV 001			
Details Advanced Setup Safety	parameterization Number management	Monitoring	
Service Information		Real time information	
Service ref.	Sandwoord	technical condition	Connected
Website	CLICHY	User system	OpenScape Business M5T SIP Stack/4.2.30.338
NDI number	00/0100001	IP address used	10.1.00.1.101:49660
Number of associated numbers (excluding NDS)	4	Last Login	09/06/2023 11:36:20
Service Designation Number	0070701504	Current Calls	NC
Simultaneous calls	8 🐳 / 4 🍺		
Communication Protocol	UDP	Login information	
Ref. contracted offer	0.000000	login URL	voip03.myopenip.fr
Ref. contracted product data sheet	FPC428301	Login ID	NJOR MAKELO - DIEZO
Service Status	Active	Password	•••••

Configuration Wizard

Internet Telephony

Go to Central Telephony – "Internet Telephony"

		interencesystem rogon
Home Administrators	Setup Expert mode Data Backup License Management Service Center	
Setup		
▼ Wizards	Central Telephony	0
Basic Installation		•
Network / Internet	CO Trunk ISDN / Analog / ITSP	
Telephones / Subscribers	Point-to-multipoint connections (MSN) and PABX number for ISDN connections, and assignment of analog and ITSP trunks	
Central Telephony	Internet Telephony	
User Telephony	Edit Access parameters of the Internet Telephony Service Provider (ITSP), e.g., user account,	
Security		
UC Suite	Edit Access numbers for integrated voicemail. Set up of voicemail boxes	
Cloud Services	Disco David Card Dislar	
Mass Data	Edit 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 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 second s		

Figure 1

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	
Ove	rview
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 telephi	ny' and 'MeetMe conference'.
PABX number	·
Country code: 0	33 (mandatory)
Local area code	(optional)
PABX number	(optional)
Help Abort Back OK & Next	

Figure 2

Click [OK & Next].

Provider configuration and activation for Internet Telephony

- No call via Internet -> uncheck
- Use County specific view: *France* and select *Dstny France*

Setup - Wizards -	Central Telephony - Internet T	elephony	×
		Provider configuration and activation for Internet Telephony	Î
		No call via Internet:	
Material and an	- to see all see all see all be seen to	Country specific view: France	
Note: changes don	Activate Provider	Internet Telephony Service Provider	-
Add		Other Provider	
Edit		Smg().64	
Edit		Final-real	
Edit		Calco - Sectional	
Edit		003.044 Same	
Edit		03125	
Edit		C segured	
Edit		Dstny France	
Edit		Private Destroy	
Edit		pr11	
Edit		14-	
Edit		Fear -	
Edit		POint as	
Edit		construction and the	
Halp	Abort Pack	OV 9 Novt Display Status	
neip	ADOIL BACK	Un a next Uispiay status	

Figure 3

Activate Provider and click on [Edit].

On the next page you must enter the following information.

Domain Name, Provider Registrar and the Provider Proxy:

provided by *Dstny France* via Web page (Login URL)

Setup - Wizards - Central Telephony - Internet Telephony	8
Internet Telephony	Service Provider
Provider Name:	Dstny France
Enable Provider:	
Secure Trunk:	
Domain Name	myopenip.fr
Provider Registrar Use Registrar	
IP Address / Host name	.myopenip.fr
Port.	5060
Reregistration Interval at Provider (sec)	600
Provider Proxy	myopenin fr
Port	E060
Provider Outhound Proxy	5000
Use Outbound Proxy:	
IP Address / Host name:	0.0.0.0
Port	0
Help Abort Back OK & Next Delete	Data
Figure 4	

Click [OK & Next].

In the next dialog the specific customer SIP user data v	will be configured.
--	---------------------

s - Central Telephony - Internet Telephony	×
Internet Telephony Stations for Dstny France	
Name of Internet Telephony Station	
New Internet Telephony Station	
Abort Back OK & Next	
	Central Telephony - Internet Telephony Internet Telephony Stations for Dstny France Name of Internet Telephony Station New Internet Telephony Station Abort Back

Figure 5

Click on [Add].

Data provided by the Dstny Fi	r ance via web page
Internet telephony station:	Username is inserted here. Login ID information of Dstny
Authorization name:	Username is inserted here. Login ID information of Dstny
Password:	Password provided by <i>Dstny</i>
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: 973791591). Usually the Lead Number is entered here.

		Internet Telephony St		
		internet relephony St	ation for Dstny Fran	nce
		Internet telephony station:	e296.4	
		Authorization name:	7228-973	
		Password:		
		Confirm Password:		
number assignment			2	
		Use public number (DID)		v
		ITSP-multiple route:		
		Default Number:	973791591	
fault Number SP as primary CO access iter one of the call numbers su II. call numbers supplied by your	pplied by your network r network provider are to	provider here. This will be used in outg o be entered within the trunk and telep	going calls as the calling p hones configuration (DID	party number in case no other number is available for the respe) field) primary CO access.

Figure 6

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

p - Wizards -	Central Telephony	- Internet Teleph	ony	
			Internet Telephony Stations for Dstny France	
			Name of Internet Telephony Station	
Edit			Interfacione de la construcción de	

Figure 7

Click [OK & Next]

	Call Number Assignment	for Dstny France	
Name of Internet Telephony Station	Internet Telephony Phone Number	Direct inward dialing	Use as PABX number for outgoing calls
der to complete the configuration please	verify that the relevant user DIDs are set in station	ons (Jelenhones / Subscribers (configuration)
der to complete the configuration please	verify that the relevant user DIDs are set in station	ons.(Telephones / Subscribers o	configuration)
der to complete the configuration please	verify that the relevant user DIDs are set in station	ons.(Telephones / Subscribers o	configuration)
der to complete the configuration please	verify that the relevant user DIDs are set in static	ons.(Telephones / Subscribers o	onfiguration)
der to complete the configuration please	verify that the relevant user DIDs are set in static	ons.{Telephones / Subscribers o	onfiguration)
rder to complete the configuration please	verify that the relevant user DIDs are set in static	ons.{Telephones / Subscribers o	onfiguration)

Figure 8

Click [OK & Next] (no input needed)

Setup - Wizards -	Central Telephony - Internet T	elephony	×
		Dravidar configuration and activation for Internet Telephony	Î
		Provider configuration and activation for internet relephony	
		No call via Internet:	
		Country specific view: France	
Note: changes don	e in expert mode must be reviewe	d/repeated after running through the wizard.	
Add		Other Provider	
Edit		Party Adv	
Edit		Franki and	
Edit		Call 1-5 arc such	
Edit		003.946 say	
Edit		03105	
Edit		E segured	
Edit		Dstny France	
Edit		Pel seen Developed	
Edit		p.m.	
Edit		1.4-	
Edit		Teast .	
Edit		POint av	
Edit		A TANK AND A	-
Help	Abort Back	OK & Next Display Status	

Figure 9 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 of the *Dstny* Enterprise Portal.

Setup - Wizards - Central Telephony - Internet Telephony		۵
	Settings for Internet Telephony	
Simultaneous Internet Calls Available Lines for ITSP: 198		
Please enter in field 'Upstream up to (Kbit/sec)' the Upstream of yo Upstream up to (Kbps) = 10000	our Internet connection communicated by your Provider. You have to	/ped in
In the 'Change Feature> Internet Telephony' Assistant. This upst will need to reduce this number of simultaneous calls.	tream allows you to conduct up to 60 Internet phone calls simultane	ously. If the call quality deteriorates due to the network load, you
The number of simultaneous Internet Calls also depends on the lid	censing.	
	Upstream up to (Kbps): 10000	
Numbe	er of Simultaneous Internet Calls: 4	istribute Lines
Line assignment		
Internet Telephony Service Provider	Configured Lines	Assigned Lines
Dstny France	4	4
Help Abort Back OK &	Next	

Figure 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	0C15	Dstny France
2	0C17	Dstny France 💊
3	0C18	Dstny France
4	0C112	Dstny France
5	0C115	Dstny France V
6	0C119	Dstny France 💊
7	0CZ	Dstny France
8		Dstny France 💊
9		Dstny France 💊
10		Dstny France
11		Dstny France V
12		Dstny France 💊
13		Dstny France 💊
14		Dstny France
15		Dstny France 💊

Figure 11

Click [OK & Next]

On next page status of ITSP is displayed.

ntral Telephor	ny - Internet Telepho	ony				
	Status	s for the I	nternet Tel	ephony Service Pr	ovider (ITSP)	
	Prov	ider			User	
t	Dstny France		Enabled	19759	registered	Diagnose
•						
Abort	Back	Next				
	tral Telepho	trai Telephony - Internet Telephony - Status Status Prov t Dstny France Abort Back	trai Telephony - Internet Telephony Status for the I Provider t Dstny France . Abort Back Next	ntrai Telephony - Internet Telephony Status for the Internet Tel Provider t Dstny France Enabled Abort Back	ntrai Telephony - Internet Telephony Status for the Internet Telephony Service Pr Provider Provider t Dstny France Enabled Abort Back Next	htrai Telephony - Internet Telephony Service Provider (ITSP) Status for the Internet Telephony Service Provider (ITSP) Provider User t Dstny France Enabled Abort Back Next

Figure 12

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)

Setup - Wizards - Central Telephony - Internet Telephony	×
Exchange Line Seizure	
Trunk Access Code 0	
Dial over Provider Dstny France 🗸	
Help Abort Back OK & Next	

Figure 13

Click [OK & Next]

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

etup - Wizards - Central Te	elephony - Internet Telep	iony	
		Seizure Code for the 'Outside line Seizure'	
		Seizure code for 'Outside line Seizure'	
Ostny France			
Juliy Funce		,	
Help Abor	t Back	OK & Next	

Figure 14

Click [OK & Next] and

Setup - Wizards - (Central Telepho	ny - Internet Teleph	ony	
		TI	ne changes for t	he feature 'Internet Telephony' are completed
The Internet Teleph	ony is switched or	n and configured.		
Once an "Internet T	elephony Service	Provider" has been a	ctivated/deactiva	ted, it is necessary to run through the "Central Telephony - CO Trunk ISDN / Analog" wizard again.
For your own secur	ity, you should sa	we the configuration	data. To do this, u	ipon completion of the wizard, choose 'Backup' in the main menu, and follow this by choosing 'Backup
initioution .				
11.12	1 hard	Beat	Fields	
neip	ADOIL	Dack	riiish	

Figure 15

on the next page [Finish]

DID configuration

In the DID Section, the DID will need to be entered (remaning part without country code, and if configured without local area code, PABX number).

Expert mode - Telephony Serve	er								E
Station	IP Clients								
▼Station ▶UP0 Stations		-	Edit Sub	scriber		De	vice Info		
IP Clients	Calln	0	DID	First Name	Last Name	Display	Type		Clip/Lin
System Clients SIP Clients	Search:							~	
RAS User Deskshare User	102	\rightarrow	973455901	IP HFA 1]	IP HFA 1	System Client	•-	A
Analog Stations	103	\rightarrow	973455902 973455903	IP SIP 1]=	IP HFA 2	SIP Client	• - • -	
DECT Stations	-	\rightarrow	-	-]]	No Port No Port	• - • -	

Figure 16

Additional Configuration

License

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

Home	Administrators	Setup	Expert mod	e Data Ba	ckup Licen	se Management	Service Center
License M	lanagement						
License in	formation	C) Trunks				
▼ Addition	nal Products						
OpenSc	ape Personal Edition	The	access to central	office via PRI	S2m/T1) trunks of	or via Internet telephony	is licensed by CO trunk licenses
▼Local U	ser licenses	SIP	trunks		Available license	S IOF SIF AND FRI(S2III/	T) tranks. O
Overvie	w			Th	e configured nun	nber of simultaneous Inte	ernet calls
IP User					for each Inter	net Telephony Service P	rovider is: 4
TDM Us	er			License	number of simul	taneous Internet calls in	this node: 4
Mobility	/ User		Licen	se demand for	number of simul	taneous Internet calls in	this node: 4 🗸
Desksh	are User	PRI	(S2M/T1)				
CO Trunk	5		Type SI	ot	Port	Feature	Demands
System Li	icenses						
▼License	Profiles						
Create	Profiles						
Assign	Profiles						
Registrat	ion						
Activate I	license Online						
Activate (CLS Connect						
Activate I	license File						
Settings							
			Abort	Apply			

Figure 17

Mandatory configuration in Expert Mode

Port management

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

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

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	HEA	4060	single				
LDAP		4000	single				
Texts	HFA_EXT	4062	single				
Flexible menu	HFA_TLS	4061	single				
Speed Dials	HFA_TLS_EXT	4063	single				
Service Codes	MEB_SIP	15060	single				
HFA Registration Password	RTP_MIN	29100	min. (ext. RTP-port range 30274-30529				
DynDNS	SIP	5070	single				
Quality of Service	SIP FXT	5060	single				
Date and Time	SID TI S SUB	Istus /	single				
Port Management		5074	single				
Call Charges	SIP_ILS_SUB_EXT	5071	single				
Voicemail / Announcement Player	SIPS	5061	single				
Phone Parameter Deployment	VSL_MULTISITE	8778	single				
Power management							
	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 *Dstny France* the following codec parameters **MUST** be changed:

- 1. RFC 2833 payload type **MUST** be 101.
- 2. RFC 2198 support **MUST** be disabled.
- 3. G.729 is **NOT** supported and **SHOULD** be disabled.
- 4. T38 fax protocol is not supported. Fax is supported via G.711 only. For this reason, you MUST disable T38 protocol.

Expert mode - Telephony Server					
Voice Gateway	Codec Parameters				
SIP Parameters	Edit Codec Parameters				
ITSP Loc-ID Settings					
Codec Parameters	Codec	Priority	Voice Activity Detection	Frame Size	
Destination Codec Parameters	G.711 A-law	Priority 1 🗸	VAD: 🗆		20 ∨ r
Networking	G.711 µ-law	Priority 2 🗸	VAD:		20 🗸 I
SIPO-Interconnection	G.729A	not used 🗸	VAD:		20 🗸 🛛
Native SIP Server Trunk	G 729AB	not used 🖌	VAD:		20 🗸 🛛
	Enhanced DSP Channels				
	Use G.711 only				
	T.38 Fax				
	T.38 Fax:				
	Use FillBitRemoval:		¥		
	Max. UDP Datagram Size for T.38 Fax (bytes):		1472		
	Error Correction Used for T.38 Fax (UDP)		t38UDPRedundancy 🗸		
	T.30 Fax	Enable ECM:			
	Misc.	ClearChannel:		Frame Size: 20 🗸 msec	
	RFC2833 Transmission of Fax/M	lodem Tones according to RFC2833:	0		
	Transmission of DTMF Tones according to RFC2833:				
		Payload Type for RFC2833:	101		
	Redundant Transmission of RF	C2833 Tones according to RFC2198:			
	Apply Undo	Help			