OpenScape Business V2

How to Configure SIP Trunk for BT Wholesale Hosted Communications

UK

BT wholesale

Table of Contents

Table of History

Date	Version	Changes
15.11.2017	0.1	First version
18.12.2017	0.3	Additional Changes to reflect ITSP features

Trunk Configuration Data provided by BT Wholesale

The configuration data needed to setup the SIP trunk can be found on the BT Wholesale Business Portal under Company > Site > Features> Trunks

Com	pany 🕐 Sites	A Employees	Employee Groups			
Site Selection	Features					Company: Unify Sile: Unify OS Business Filter T
Features	✓ Call Groups					
Feature Assignment	O Auto Attendants	O Call Centres	Call Pickup Groups	O Group Paging	O Hunt Groups	O Series Completion
Profile	← Configure					← Configure
Device Management	0 Trunks					

It is possible to configure trunk level features from this screen, please view the section at the end of this guide to confirm compatibility with Openscape Business.

Take note of the domain name of the trunk, located under "Trunk ID"

For this example, "siptunify.com" is being used. This is for trial purposes and live trunks will have a unique customer domain

Trunk	found. Displaying all Trunks			
	Trunk Name	Trunk ID	Device ID	Device Category
	Unify OS Business 🖋	unifyosbusines;@siptunify.com	Unify OS Business	Group

Click the link under "Trunk Name" and take note of the following information:

Directory Number

Authentication username

Authentication Password – Current password cannot be viewed, First use arrows to generate a new password, then "Show" to show password

Password		
Password	C	Show

OpenScape Business V2 – How To:

Configure SIP Trunk BT Wholesale Hosted Communications

0			FASSISTAN
General Settings			
* Trunk ID			
unifyosbusiness	@siptunify.com		
* Name		Feature Package	
Unify OS Business		Trunk Group plus	
* Caller ID First Name		Directory Number	
Unify		+44-5600653801	Change
* Caller ID Last Name		Extension	
OS Business		3801	
		Language	
		English	
Call Settings		Channels Available For Bursting	a This Sida
Call Settings Max Channels Per Trunk On This Site 10		Channels Available For Bursting T 10	o This Site
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels	(May 10 Calls)	Channels Available For Bursting T 10 Number Of Channels For Bursting	o This Site To This Trunk
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10	(Max 10 Calls)	Channels Available For Bursting T 10 Number Of Channels For Bursting 0	o This Site To This Trunk (Max 10 Calls)
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls	(Max 10 Calls)	Channels Available For Bursting T 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Call	o This Site To This Trunk (Max 10 Calls) Is
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Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls 0 Max Active Outgoing Calls 0 C Authentication Enabled	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Call 0 Max Active Outgoing Bursting Call 0	o This Site To This Trunk (Max 10 Calls) Is
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls 0 Max Active Outgoing Calls 0 C Authentication Enabled * Username	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Call 0 Max Active Outgoing Bursting Call 0	o This Site To This Trunk (Max 10 Calls) Is
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls 0 Max Active Outgoing Calls 0 Authentication Enabled * Username unifyosbusiness	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Call 0 Max Active Outgoing Bursting Call 0	o This Site To This Trunk (Max 10 Calls) Is
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls 0 Max Active Outgoing Calls 0 Authentication Enabled * Username unifyosbusiness Password	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Call 0 Max Active Outgoing Bursting Call 0	o This Site To This Trunk (Max 10 Calls) Is Is

Configuration Wizard

Internet Telephony

Go to Central Telephony – "Internet Telephony"

UNIFY Harmonize OpenScape Business Assist				
System in network! Synchronization	status: 🔘	admin@system <u>Logoff</u>		
Home Administrators Se	tup Expert mode Data Backup License Management Service Center Networking			
Setup				
▼ Wizards	Central Telephony	()		
Basic Installation				
Network / Internet	Edition CO Trunk ISDN / Analog / ITSP			
Telephones / Subscribers	Fornetions, and assignment of analog and TSP trunks			
Central Telephony	nternet Telephony			
User Telephony	Edit Access parameters of the Internet Telephony Service Provider (ITSP), e.g., user account, password, SIP station			
Security				
UC Smart	Edit Phone Book / Speed Dialing Set up central speed-dial destinations for the system's internal phone book			
Circuit	Call Detail Recording			
Unified Directory	Edit 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 Edit Set up call allocation and access authorization for the entrance telephone at the analog station connection			
	Edit SmartVM 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			
	Over	view	
Note: changes done in expert mode must be reviewed/repeated after running through Note: At least the configuration of the 'Country code' is needed for features such as 'Ir	the wizard. Iternet telephony' and	'MeetMe conference'.	
PABX number			2
	Country code: 00	44	(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: United Kingdom and select "BT Wholesale Hosted Communications".

Setup - Wizards -	- Central Telephony - Internet	Telephony	×
Note: changes do	Pi ne in expert mode must be review	rovider configuration and activation for Internet Telephony No call via Internet: Country specific view: United Kingdom ved/repeated after running through the wizard.	
	Activate Provider	Internet Telephony Service Provider	
Add		Other Provider	- 1
Edit		A1 SIP Trunk	- 1
Edit		Broadcloud	- 1
Edit		BT IPVS	
Edit		BT Wholesale Hosted Communications	
Edit		BT Wholesale SIP Trunking (WSIPT)	
Edit		COLT UK & Europe	
Edit		COLT VPN	
Edit		Gamma StaticIP	
Edit	0	Gamma with Register	-
Help	Abort Back	OK & Next Display Status	

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 WHC Business Portal, under Company > Site > Features > Trunks. The part required is found on the section called Trunk ID.

runk	S			
Trunk	found. Displaying all Trunks			
	Trunk Name	Trunk ID	Device ID	Device Category
	Unify OS Business 🖋	unifyosbusiness@siptunify.com	Unify OS Business	Group
	O Cancel		✓ Save	

- Please enter the domain (without @). All other fields on this page are predefined and must not be changed

Setup - Wizards - Central Telephony - Internet Telephony	
Internet Telephon	y Service Provider
Provider Name:	BT Wholesale Hosted Communications
Enable Provider:	8
Secure Trunk:	
Domain Name:	please.enter.domain
Provider Registrar Use Registrar:	Ø
IP Address / Host name:	sipt-dynamic-bslnws09.yourv
Port:	0
Reregistration Interval at Provider (sec)	600
Provider Proxy	
IP Address / Host name:	sipt-dynamic-bs/nws09.yourv
Port:	0
Provider Outbound Proxy Use Outbound Proxy:	
IP Address / Host name:	0.0.0.0
Port:	0
Help Abort Back OK & Next Delete 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 BT Wholesale Hosted Communications		
	Name of Internet Telephony Station		
Add	New Internet Telephony Station		

Click on [Add].

Data provided on the BT Wholesale Business Portal under Company > Site > Features> Trunks > Link under "Trunk Name"

General Settings			
* Trunk ID			
unifyosbusiness	@siptunify.com		
* Name		Feature Package	
Unity OS Business		Trunk Group plus	
Caller ID First Name		Directory Number	
Unity		+44-5600553801	Change
Caller ID Last Name		Extension	
OS Business		3801	
		Language	
		English	,
Call Settings			
Call Settings Max Channels Per Trunk On This Site 10		Channels Available For Bursting To	o This Site
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels		Channeis Available For Bursting To 10 Number Of Channeis For Bursting	o This Site To This Trunk
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0	This Site To This Trunk (Max 10 Calls)
Call Settings Max Channels Per Trunk On This Site 10 10 Max Active Incoming Calls	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Calit	To This Site To This Trunk (Max 10 Calls)
Call Settings Max Channels Per Trunk On This Site 19 * Total Number of Channels 10 0 0	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting " 0 Max Active Incoming Bursting Calls 0	This Site To This Trunk (Max. 10 Calls)
Call Settings Max Channels Per Trunk On This Site 10 Max Active Incoming Calls 0 Max Active Outgoing Calls	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Calito 0 Max Active Outgoing Bursting Calito	This Site To This Trunk (Max 10 Calls)
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Encoming Bursting Calit 0 Max Active Outgoing Bursting Calit	This Site To This Trunk (Max 10 Call S
Call Settings Max Channels Per Trunk On This Site 10 • Dath Number of Channels 10 • Max Active Incoming Calls 0 • 0 • 0	(Max 10 Calls)	Channels Available For Bursting To 10 0 Max Active Incoming Bursting Calif 0 Max Active Outgoing Bursting Calif 0	This Site To This Trunk (Max 10 Calls) S
Call Settings Mar Channels Per Trunk On This Site 10 * Total Number of Channels 10 Mar Active Incoming Calls 0 Mar Active Cutgoing Calls 0 Authentication Enabled * Gername	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting 0 Max Active Incoming Bursting Calls 0 Max Active Outgoing Bursting Calls 0	This Site To This Trunk (Max 10 Calls) S
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls 0 Max Active Outgoing Calls 0 Max Active Gradient Stabled * Username unfrodestimess	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting To 0 Max Active Oncoming Bursting Cality 0 Max Active Outgoing Bursting Cality 0	This Site To This Trunk (Max 10 Calls) s
Call Settings Max Channels Per Trunk On This Site 10 * Total Number of Channels 10 Max Active Incoming Calls 0 Max Active Outgoing Calls 0 Call Authentication Enabled * Username unfyrostusines	(Max 10 Calls)	Channels Available For Bursting To 10 Number Of Channels For Bursting T 0 Max Active Incoming Bursting Calit 0 Max Active Outgoing Bursting Calit 0	This Site To This Trunk (Max 10 Calls)

The data provided on this page are used to fill the following fields:

Internet telephony station:	Directory Number is inserted here (In implicit International format e.g. <u>44</u> 1234567890)
Authorization name:	Username is inserted here (e.g: unifyosbusiness)
Password:	Password
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: 441234567890). Usually the Lead Number is entered here. This must be entered in Implicit International format and the number <u>must</u> be present on the SIP account. (e.g. 441234567890)

Setup - Wizards - Central Telephony - Internet Telephony	
Internet Telephony Station for BT V	Vholesale Hosted Communications
Internet telephony station:	445600653801
Authorization name:	unifyosbusiness
Password:	
Confirm Password:	
Call number assignment Use public number (DID)	
ITSP-multiple route:	
Default Number:	445600653801
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 All call numbers supplied by your network provider are to be entered within the trunk and telephones config	the calling party number in case no other number is available for the respective call. uration (DID field) primary CO access.
Help Abort Back OK & Next Delete Data	

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

Setup - Wizards - C	etup - Wizards - Central Telephony - Internet Telephony						
	Internet Telephony Stations for BT Wholesale Hosted Communications						
	Name of Internet Telephony Station						
Edit	445600653801						
Help	Abort Back OK & Next						

Click [OK & Next]

Setup - Wizards - Central Telephony - Internet Telephony						
Call Number Assignment for BT Wholesale Hosted Communications						
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	t the relevant user DIDs are set in stations.(Telephon	es / Subscribers configuration)				
Help Abort Back	OK & Next					

Click [OK & Next] (no input needed)

Setup - Wizards - (Central Telephony - Internet Telephony		×
		Provider configuration and activation for Internet Telephony	*
		No call via Internet:	
		Country specific view: United Kingdom	
Note: changes done	e in expert mode must be reviewed/repeate	d after running through the wizard.	
	Activate Provider	Internet Telephony Service Provider	
Add		Other Provider	
Edit		Broadcloud	
Edit		BT IPVS	
Edit	×	BT Wholesale Hosted Communications	IJ
Edit		COLT UK & Europe	
Edit		COLT VPN	
Edit		Gamma StaticIP	
Edit		Gamma with Register	
Edit		HIPCOM	
Edit		КСОМ	Ŧ
Help	Abort Back O	K & Next Display Status	

Click [OK & Next]

Define bandwidth (# Trunks)

The amount of simultaneous Internet (Assigned Lines) calls must be aligned with the Max Channels Per Trunk assigned to the Trunk Group on the BT Wholesale Business Portal

Please note, depending on customer configuration, this value may be read only on the business portal. For restricted companies any changes must be actioned by the provider on the "Business Zone" portal

nited					
Unlimited					
Limited to:	10				
	Unlimited	Unlimited Limited to: 10	Unlimited Unlimited to: 10	Unlimited Limited to: 10	Unlimited Limited to: 10

etup - Wizards - Central Telephony - Internet Telephony							
Settings for Internet Telephony							
Simultaneous Internet Calls Available Lines for ITSP: 230	Simultaneous Internet Calls						
Please enter in field 'Upstream up to (Kbit/sec)' the Upstream of your In Upstream up to (Kbps) = 300	ternet connection communicated by	y your Provider. You have typed	d in				
In the 'Change Feature> Internet Telephony' Assistant. This upstream reduce this number of simultaneous calls.	a allows you to conduct up to 2 Inter	net phone calls simultaneously.	. If the call quality deteriorates due to the network load, you will need to				
The number of simultaneous Internet Calls also depends on the licensin	ng.						
	Upstream up to (Kbps):	300]				
Num	ber of Simultaneous Internet Calls:	10	Distribute Lines				
l ine assignment							
Internet Telephony Service Provider	Configu	red Lines	Assigned Lines				
BT Wholesale Hosted Communications		0	10				
Help Abort Back OK & Next							

Click [OK & Next]

Special phone numbers

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

etup - Wizards - Central Telephony - Internet Telephony						
Special phone numbers						
Note: Emergency calls should always be bu Please make sure that all special call	uilt up with ISDN or Analog Trunk for safety reasons. numbers are supported by the selected provider without fail.					
Special phone number	Dialed digits	Dial over Provider				
1	9C112	BT Wholesale Hosted Communications ▼				
2	9C999	BT Wholesale Hosted Communications •				
3		ISDN v				
4		ISDN 🔻				
5		ISDN v				
6		ISDN T				
7		ISDN T				
8		ISDN T				
9		ISDN T				
10		ISDN 🔻				
11		ISDN T				
12		ISDN •				
Help Abort	Back OK & Next					

Click [OK & Next]

On next page status of ITSP is displayed.

etup - Wizards - Central Telephony - Internet Telephony						
	Status for th	e Internet Teleph	nony Service Provider	(ITSP)		
	Provider			User		
Restart	BT Wholesale Hosted Communications	Enabled	445600653801	registered	Diagnose	

Click [Next]

"Exchange Line Seizure":

Select which trunk will get access code 9. 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
Exchange Line Seizure	Trunk Access Code 9
	Dial over Provider BT Wholesale Hosted Communications 🔻
Area Code	
Please enter the local area code.	
	Local area code: 0 560

Click [OK & Next]

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

Setup - Wizards - Central Telephony - Internet Telephony					
		Saizura Cada for the 'Outside line Sa	izuro'		
		Seizure code for the Outside line Se			
		Seizure code for 'Outside line Seizure'			
ISDN	88				
BT Wholesale Hosted Communications	851				

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.

Each DDI is assigned against a "User" and can be found on the BTW Business Portal under Company > Sites > Employees

<u>Username</u>	Status	First Name	Surname	Phone Number	Extension	Site Name	
05600653802	Active	UnifyOSBusiness	UserA	+44 56 00653802	3802	Unify OS Business	Select
05600653803	Active	UnifyOSBusiness	UserB	+44 56 00653803	3803	Unify OS Business	Select
05600653804	Active	UnifyOSBusiness	UserC	+44 56 00653804	3804	Unify OS Business	Select
05600653805	Active	UnifyOSBusiness	UserD	+44 56 00653805	3805	Unify OS Business	Select
05600653806	Active	UnifyOSBusiness	UserE	+44 56 00653806	3806	Unify OS Business	Select
05600653807	Active	UnifyOSBusiness	OfficeUC	+44 56 00653807	3807	Unify OS Business	Select
05600653808	Active	Unify OS Business	UC User 2	+44 56 00653808	3808	Unify OS Business	Select
Unifyadmin	Active	Unify	Admin	+44 56 00653800	3800	Unify OS Business	Select

If users do not wish to display their DDI and instead display a Department or Site number, this can be entered under "CLIP/Lin" in the same format

Expert mode - Telephony Server							×	
Station	IP Clients							
▼Station ▶UP0 Stations	Edit Subscriber			Device Info				
▼IP Clients	Callno	DID	First Name	Last Name	Display	Туре	Clip/Lin	Ac
System Clients	Search:							
RAS User						•		-
Deskshare User	431 →	5600653802	User	1	User 1	System Client •	5600653801	_
Analog Stations	432 →	5600653803	User	2	User 2	System Client V	-	
ICON Chatlana		-	-		-	No Port T		

Additional Configuration

License

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

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: 0							
SIP trunks							
	The configured number of simultaneous Internet calls for each Internet Telephony Service Provider is: 10						
Lice	nse number of sim	ultaneous Internet calls in this no	ode: 10				
License demand for number of simultaneous Internet calls in this node: 10 🔻							
PRI (S2M/T1)							
Type Slot	Port	Feature	Demands				

Route configuration (optional)

The route configuration will be created automatically. It should look like below.

Best practice is to enter the default Access Code in the field "Seizure code", enter the Country code for the PABX number-incoming and select Location number.

Expert mode - lelephony Server				
Trunks/Routing	Route			
Trunks	Channe Baute	Channel Dautier Deservation		said Deservation alternation
▼Route	Change Route	Change Routing Parameters	sp	aciai Parameter change
ISDN		Dauta Nama:	PT Whelese	
Trk Grp. 2		Route Name.	BT Wholesa	
Trk Grp. 3		Seizure code:	9	
Trk Grp. 4				
Trk Grp. 5		CO code (2nd trunk code):		
Trk Grp. 6	Gateway Location			
Trk Grp. 7		Country code:	44	
UC Suite		Local area code:		
Trk Grp. 9		Local alea code.		
Trk Grp. 10		PABX number:		
UC Suite	PABX number-incoming			
Trk Grp. 9		Country code:	44	
Trk Grp. 10		Country Could.		
Trk Grp. 11		Local area code:		
BT Wholesa	4	DARX sumber		
Trk Grp. 13		PABA number.		
Trk Grp. 14		Location number:	4	
Irk Grp. 15	PABX number-outgoing			
OSIC Feature		Country code:	44	
MSN seeign		Country Could.		
ISDN Parameters	1	Local area code:		
		PARY number		
		FADA Italibel.		
		Suppress station number:		
	Overflow route			
		Overflow route :	None 🔻	
	Digit transmission			
		Digit transmission:	en-bloc sending V	
	Mobile Extension Number (MEX)			
		MEX Number		
	Apply Updo	Help		
	.sppiy onuo			

The route parameters:

Expert mode - Telephony Server				
Trunks/Routing	Reute			
Trunks	Change Baute	Channes Dauking Damas dama		Constal Descendence descen
▼Route	Change Route	Change Routing Parameters		Special Parameter change
ISDN	Routing flags			A
Trk Grp. 2		Digit repetition on:		
Trk Grp. 3		Analysis of second dial tone / Trunk monitoring:		
Trk Grp. 5		Intercent per direction:		
Trk Grp. 6		intercept per direction.	_	
Trk Grp. 7		Over. service 3.1 kHz audio:		
UC Suite		Add direction prefix incoming:	v	
Trk Grp. 9		Add direction prefix outgoing:	✓	
Trk Grp. 10		Call No. with international / national profix:		
Trk Grp. 11		can no. with international / national prenz.		
Trk Grp. 13		Ringback tone to CO:		
Trk Grp. 14		Name in CO:		
Trk Grp. 15		Segmentation:	ves	•
Networking		dependiente UNIC eserentes		
QSIG-Feature		deactivate OOS per route.		
MSN assign		Always use DSP:		
ISDN Parameters				
		Analog trunk seizure:	no pause 🔻	
		Trunk call pause:	Pause 2 s 🔹	
		Type of seizure:	linear 🔻	
		Route type:	CO •	
		No. and type, outgoing:	Country code	
		Call number type:	Direct inward dialir	ng 🔻
	Recouting			
		Change route allowed:		
	1	Route optimize active:	No	
				· · · · · · · · · · · · · · · · · · ·
	Apply Undo	Help		

LCR changes (optional)

In V2R3 all necessary LCR rule will be created automatically.

How to check the status of SIP connection with BT Wholesale Hosted Centrex

"Status" provides information about the registration status of the ITSP. The ITSP registration can also be restarted here.

	nonize enterpri	se					OpenScape	Business Assistant
System in network! Synchroniza	tion status	0						admin@system <u>Logoff</u>
Home Administrators	Setup	Expert mode	Data Backup	License Management	Service Center	Networking		
Service Center								
Documents								
Software								
Inventory								
SW Update								
E-mail Forwarding								
Remote Access								
Restart / Reload								
 Diagnostics 								
Status								
Event Viewer								
Trace								
Service Log	_							
Service Center - Diagnosti	cs - Statu	IS						×
Station Status		Dialup Network S	Status	ITSP Status	VPN Status	Overview of IF	Addresses	BLF Status
			Statu	s for the Internet Telep	hony Service F	Provider (ITSP)		
		Pro	ovider			User		
Restart	BT Wh	olesale Hosted Co	ommunications	Enabled	445600653801	registered		Diagnose

Known restrictions

- 1. CLIP No Screening is not supported for outgoing calls. A phone cannot present a number which is not owned by the provider trunk.
- 2. COLP: Provider doesn't support Connected Line Identification Presentation

Trunk Features:

The main purpose of this document is to give guidance on configuring the SIP trunk between the ITSP and OpenScape Business. There are a suite of features provided at a trunk level which can be used to introduce additional functionality to the ITSP, however, there are limitations on which features are and are not supported with OpenScape Business.

The below tables aim to give an overview of supported and unsupported features. For full information on configuring these features please refer to documentation provided by BT Wholesale as part of their platform.

Where DDIs are configured with appropriate licensing features can be configured at a per DDI level. Where this licensing is not in place limited features (such as diverts etc.) can be configured at a trunk level for all DDIs assigned to that trunk.

Openscape Business can only support external numbers in certain formats, due to this it is not possible to support multi-site dialling via BT Wholesale Communications. Where multi-site dialling is required it is recommend to look at alternative methods such as Openscape Business Networking or Device@Home

Site level features

Features situated at a site level aim to introduce additional functionality to call routing before reaching the PBX and in most cases, are used to route calls to multiple DDIs.

Configuration for these features is completed via:

Company > Select Company > Sites > Select Site > Features

Con	npany 🔇 Sites	Employees	Employee Groups			
Site Selection	Features List Grid					Company: Unify Site: Unify OS Business Filter
Features	✓ Call Groups					
Feature Assignment	Auto Attendants	Call Centres	s Call Pickup Groups	Group Paging	Hunt Groups	Series Completion
Profile			✗ Configure	✗ Configure		
Device Management	Trunks Configure					
Dashboard	Conligure					

Feature	Usage example	Support in OpenScape Business
Auto Attendant	Cloud based Auto Attendant able to divert to Multiple Sites where a WAN or VPN isn't available for native Openscape Business networking	Supported

Feature	Usage example	Support in OpenScape Business
Call Centre	Cloud based queueing allowing a limited number of SIP trunks to be fitted and Queue further calls in the cloud	Supported
Call Pickup Groups	-	Not supported
Group Paging	-	Not supported
Hunt Group	Hunt group functionality across multiple sites	Supported
Series Completion	Hunt Group functionality – used in conjunction with other features as an intercept when lines are busy.	
Trunks	The primary use case for configuring the SIP trunk connection to OpenScape Business as well as defining overflow / trunk level diverts to alternate destinations	Supported

User level features

Features situated at a user level interact on a per DDI basis (where a DDI is configured to have this additional functionality)



Feature	Usage example	Support in OpenScape Business	Minimum SIPT User License required
Call Director	Allows calls to be signalled to multiple destinations (PBX Deskphone, mobile,	Supported	Fixed User

Feature	Usage example	Support in OpenScape Business	Minimum SIPT User License required
	etc.) and for calls to be moved between these devices		
Remote Office	Allows a remote destination to receive incoming calls for the DDI	Supported	Fixed User
Shared Call Appearance	Allows additional devices to be added to the DDI user to both ring simultaneously and to make outbound calls as the user. This feature also allows for calls to be moved between these devices	Supported	Fixed User
Simultaneous Ring	Allows calls to be signalled to multiple destinations	Supported	Fixed User
Call Centres	Allows users to sign in / out of a call centre queue and change their agent status * User must be added to a call centre for this option to be available	Supported	Trunking User*
Call Forwarding	Trunking User license allows for Forward when not reachable (e.g. SIP not registered) * Higher licenses allow for Call Forward Always, Busy and No Answer	CF Always & Not Reachable – Supported CF Busy & No Answer – Recommend to handle on PBX Call Management	Trunking User*
Calling Line ID Blocking	Blocks Outbound CLI Display	Supported but recommend to leave disable and handle via PBX	Trunking User
External Calling Line ID Delivery	Allows for display / hiding of external caller information	Supported	Trunking User
Internal Calling Line ID Delivery	Allows for display / hiding of on- platform caller information. This only functions when calls route via the ITSP platform	Supported	Trunking User
Call Notify	Email notification when a user receives a call	Supported	Fixed User
Call Waiting		Not Supported	Trunking User
Time Schedule	Used in conjunction with other features to define activation at specific times	n/a	Trunking User
User Intercept	Allows calls to be intercepted with an announcement and callers given either	Supported	Functional User

Configure SIP Trunk BT Wholesale Hosted Communications

Feature	Usage example	Support in OpenScape Business	Minimum SIPT User License required
	an alternate number or "Transfer on 0" option. Used when a number needs to be taken out of service		