



Skype for Business SIP trunk Configuration for

DIDforSale and Cebod Telecom



Skype for Business Server – SIP trunk configuration Business SIP Trunking

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SIP trunk Configuration details.

Outbound call from SfB

IP 1 : **209.216.2.212**

IP 2 : **209.216.15.71**

Inbound call to SfB

IP 1 : **209.216.2.211**

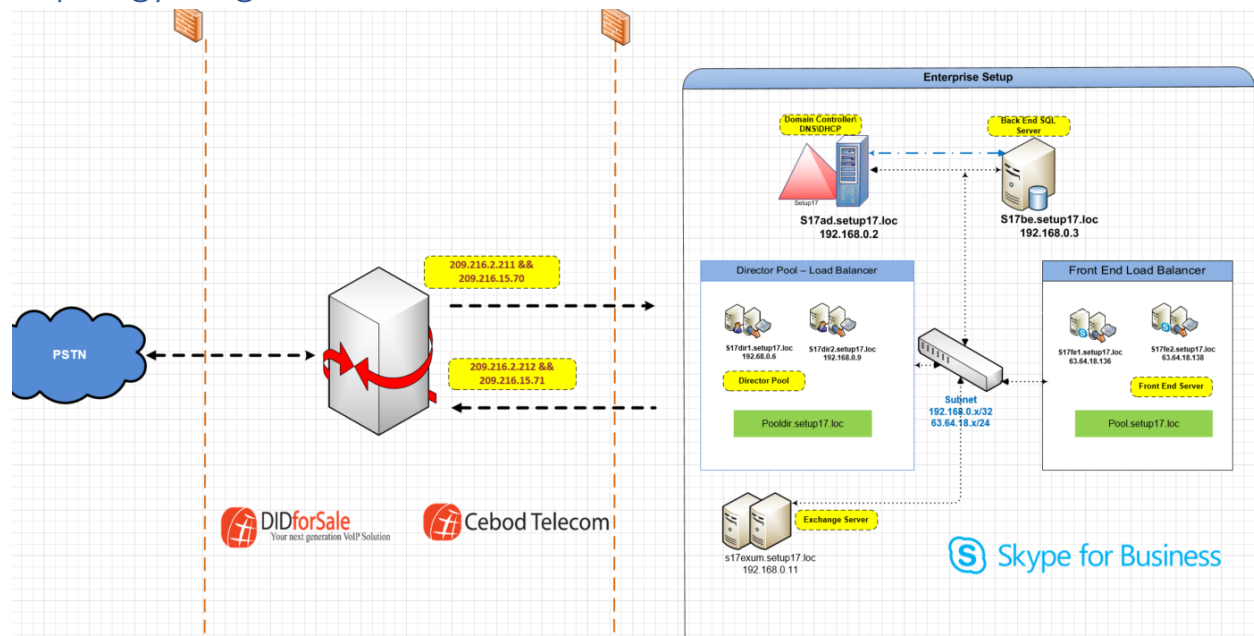
IP 2 : **209.216.15.70.**

Default Port to send Signals from SfB to SIP trunk : **5060**

Sample DID used for verification

- 19494568695
- 18479041040
- 18186653300

Topology Diagram



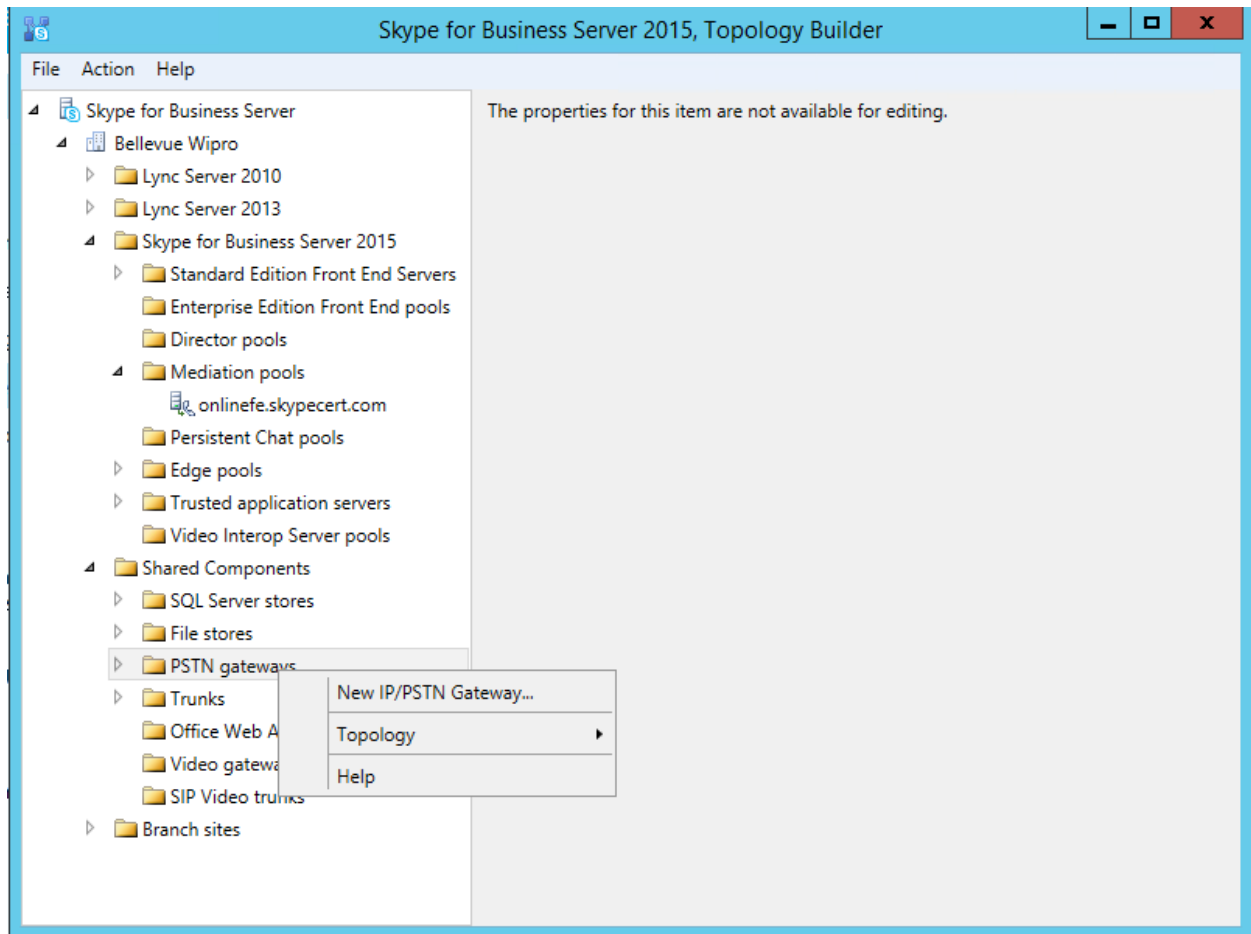
Active Directory DNS Configuration

DNS Configuration for Inbound and Outbound Call

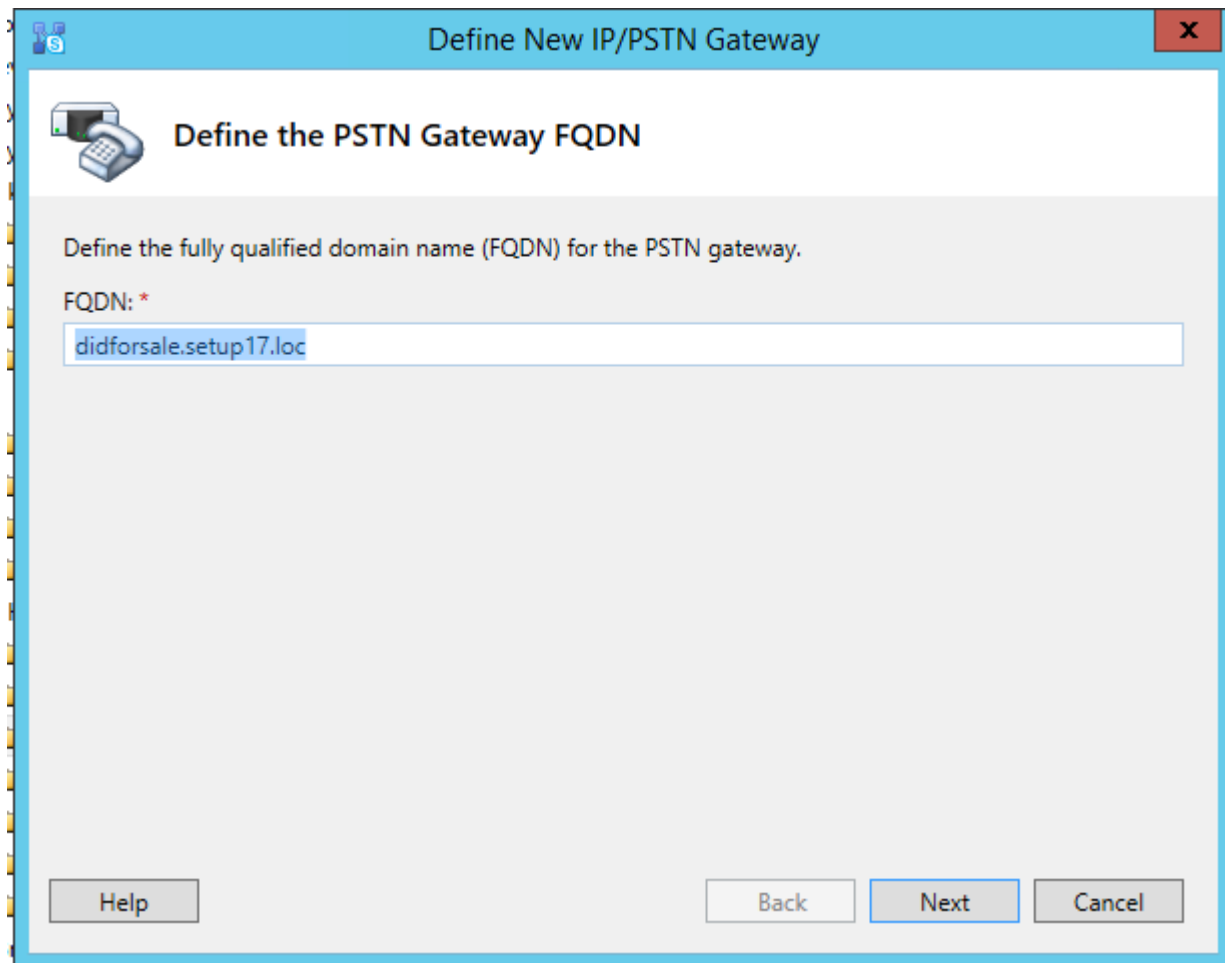
(same as parent folder)	Host (A)	192.168.1.120	5/7/2018 8:00:00 AM
DIDforsale	Host (A)	209.216.15.73	static
didforsaleoutbound	Host (A)	209.216.2.212	static
israel	Host (A)	50.57.45.171	static

Skype for Business Topology Builder

Skype for Business Server → <<Site name>> → Skype for Business Server 2015 → Shared Components → PSTN gateways → New IP/PSTN Gateway...



Adding PSTN gateway for Inbound Calls



Define New IP/PSTN Gateway

Define the PSTN Gateway FQDN

Define the fully qualified domain name (FQDN) for the PSTN gateway.

FQDN: *

didforsale.setup17.loc

Help Back Next Cancel



Define New IP/PSTN Gateway



Define the IP address

- Enable IPv4
 - Use all configured IP addresses.
 - Limit service usage to selected IP addresses.

PSTN IP address:

- Enable IPv6
 - Use all configured IP addresses.
 - Limit service usage to selected IP addresses.

PSTN IP address:


Help

Back

Next

Cancel

Define New IP/PSTN Gateway

 **Define the root trunk**

Trunk name: *

Listening port for IP/PSTN gateway: *

SIP Transport Protocol:

Associated Mediation Server:

Associated Mediation Server port: *

Adding PSTN Gateway for Outbound Calls



Define New IP/PSTN Gateway



Define the IP address

- Enable IPv4
 - Use all configured IP addresses.
 - Limit service usage to selected IP addresses.

PSTN IP address:

- Enable IPv6
 - Use all configured IP addresses.
 - Limit service usage to selected IP addresses.

PSTN IP address:

Help

Back

Next

Cancel



Define New IP/PSTN Gateway



Define the PSTN Gateway FQDN

Define the fully qualified domain name (FQDN) for the PSTN gateway.

FQDN: *




Help

Back

Next

Cancel

Define New IP/PSTN Gateway

 Define the root trunk

Trunk name: *
didforsaleoutbound.setup17.loc

Listening port for IP/PSTN gateway: *
5060

SIP Transport Protocol:
TCP

Associated Mediation Server:
s17fe.setup17.loc Bellevue Public

Associated Mediation Server port: *
5060

Help Back Finish Cancel

Make sure both PSTN for Inbound and Outbound gateways are available

- Skype for Business Server
 - Bellevue Public
 - Lync Server 2010
 - Lync Server 2013
 - Skype for Business Server 2015
 - Standard Edition Front End Servers
 - Enterprise Edition Front End pools
 - Director pools
 - Mediation pools
 - Persistent Chat pools
 - Edge pools
 - Trusted application servers
 - Video Interop Server pools
 - Shared Components
 - SQL Server stores
 - File stores
 - PSTN gateways**
 - didforsale.setup17.loc
 - didforsaleoutbound.setup17.loc
 - Trunks
 - Office Web Apps Servers
 - Video gateways
 - SIP Video trunks
 - Branch sites


Voice Routing Configuration

Dial Plan

[DIAL PLAN](#)
[VOICE POLICY](#)
[ROUTE](#)
[PSTN USAGE](#)
[TRUNK CONFIGURATION](#)
[TEST VOICE ROUTING](#)

Create voice routing test case information

[+ New](#)
[✎ Edit](#)
[Action](#)
[Commit](#)

Name	Scope	State	Normalization rules	Description
 Global	Global	Committed	4	

Edit Dial Plan - Global

Scope: Global

Name: *

Global

Simple name: *

DefaultProfile

Description:

Dial-in conferencing region:

india

External access prefix:

Associated Normalization Rules

Normalization rule	State	Pattern to match	Translation pattern
international	Committed	^\(d{10}\d+\)\$	\$1
internal	Committed	^\(d{4}\)\$	+1425577\$1
local	Committed	^\(d{7}\)\$	+1425\$1
national	Committed	^\(d{10}\)\$	+1\$1

Dialed number to test:

VOICE POLICY

[DIAL PLAN](#) [VOICE POLICY](#) [ROUTE](#) [PSTN USAGE](#) [TRUNK CONFIGURATION](#) [TEST VOICE ROUTING](#)

[Create voice routing test case information](#)

Name	Scope	State	PSTN usage	Description
Global	Global	Committed	global	
Bellevue Public	Site	Committed	DIDforSAle	

Edit Voice Policy - Global

Scope: Global

Name: *

Global

Description:

^ Calling Features

- Enable call forwarding
- Enable delegation
- Enable call transfer
- Enable call park
- Enable simultaneous ringing of phones
- Enable team call
- Enable PSTN reroute
- Enable bandwidth policy override
- Enable malicious call tracing
- Enable busy options

Associated PSTN Usages

PSTN usage record	Associated routes
global	global, inbound call route

Call forwarding and simultaneous ringing PSTN usages:

Route using the call PSTN usages

Translated number to test:

Edit Voice Policy - Bellevue Public

OK Cancel

Scope: Site

Name: *

Bellevue Public

Description:

Calling Features

- Enable call forwarding
- Enable delegation
- Enable call transfer
- Enable call park
- Enable simultaneous ringing of phones
- Enable team call
- Enable PSTN reroute
- Enable bandwidth policy override
- Enable malicious call tracing
- Enable busy options

Associated PSTN Usages

[New](#) [Select...](#) [Show details...](#) [Remove](#) [↑](#) [↓](#)

PSTN usage record	Associated routes
DIDforSAle	DIDforSALE

Call forwarding and simultaneous ringing PSTN usages:

Route using the call PSTN usages [?](#)

Translated number to test:

ROUTE

[DIAL PLAN](#) [VOICE POLICY](#) [ROUTE](#) [PSTN USAGE](#) [TRUNK CONFIGURATION](#) [TEST VOICE ROUTING](#)

Create voice routing test case information

[🔍](#)

[New](#) [Edit](#) [Move up](#) [Move down](#) [Action](#) [Commit](#)

Name	State	PSTN usage	Pattern to match
global	Committed	global	.*
DIDforSALE	Committed	DIDforSAle	.*
inbound call route	Committed	global	^972

Edit Voice Route - DIDforSALE

 **OK**  **Cancel**

Add the starting digits that you want this route to handle, or create the expression manually by clicking Edit.

Starting digits for numbers that you want to allow:

Type a valid number and then click Add.

<div style="border: 1px solid #ccc; height: 80px;"></div>	<input type="button" value="Exceptions"/> <input type="button" value="Remove"/>
---	--

Match this pattern: *






Suppress caller ID

Alternate caller ID:

Associated trunks:

<div style="border: 1px solid #ccc; padding: 5px;">PstnGateway:didforsaleoutbou...</div>	<input type="button" value="Add..."/> <input type="button" value="Remove"/>
--	--

Associated PSTN Usages

 [Select...](#) [Remove](#)  

PSTN USAGE

[DIAL PLAN](#) [VOICE POLICY](#) [ROUTE](#) [PSTN USAGE](#) [TRUNK CONFIGURATION](#) [TEST VOICE ROUTING](#)

[Create voice routing test case information](#)

 **Edit** ▼ **Action** ▼ **Commit** ▼

Name	State	Routes	Policies
DIDforSAle	Committed	DIDforSALE	Bellevue Public
global	Committed	global, inbound call route	Global

[DIAL PLAN](#) [VOICE POLICY](#) [ROUTE](#) [PSTN USAGE](#) [TRUNK CONFIGURATION](#) [TEST VOICE ROUTING](#)

[Create voice routing test case information](#)

View PSTN Usage Record - DIDforSAle

[X Close](#)


Name:

DIDforSAle

Associated Routes

Route	Pattern to match
DIDforSALE	.*

Associated Voice Policies

Voice policy	Description
 Bellevue Public	

TRUNK CONFIGURATION

[DIAL PLAN](#) [VOICE POLICY](#) [ROUTE](#) [PSTN USAGE](#) [TRUNK CONFIGURATION](#) [TEST VOICE ROUTING](#)

[Create voice routing test case information](#)

Edit Trunk Configuration - Global

OK Cancel

Scope: Global

Name: *

Global

Description:

Maximum early dialogs supported:

60

Encryption support level:




Not supported

Refer support:

None

- Enable media bypass**
- Centralized media processing**
- Enable RTP latching**
- Enable forward call history**
- Enable forward P-Asserted-Identity data**
- Enable outbound routing failover timer**

^ Associated PSTN Usages

 [Select...](#) [Remove](#)  

PSTN usage record	Associated routes
global	global, inbound call route

Configure DID for the User

USER SEARCH

Search LDAP search

Search for users by typing a user's name or clicking Add filter

Find



+ Add filter



Search results: 8 Maximum users to display: 200

Enable users



Edit



Action



Display name	Enabled	SIP address	Registrar pool	Telephony
DID 2. FOR SALE	✓	sip:did2@setup17.loc	s17fe.setup17.loc	Enterprise Voice
DID FORSALE	✓	sip:did@setup17.loc	s17fe.setup17.loc	Enterprise Voice

Assign Line URI : and Telephony type

Edit Skype for Business Server User - DID FORSALE

 **Commit**  **Cancel**

Display name:

DID FORSALE

Enabled for Skype for Business Server

SIP address: *

sip:did

@

setup17.loc

Registrar pool:

s17fe.setup17.loc



Telephony:

Enterprise Voice



Line URI:

tel:19494568695



Dial plan policy:

<Automatic>

View...

Voice policy:

<Automatic>

View...

Conferencing policy:

<Automatic>

View...

Client version policy:

<Automatic>

View...

PIN policy:

<Automatic>

View...