

Integration of Lync2010 and MyPBX

Version: 1.0

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1. Introduction

Brief introduction of the Lync server installed, and the target achieved in this manual.

Brief Introduction:

This is a standard version of Lync installed in windows 2008 R2 enterprise (64bit). It requires two computers to install, one for DC and the other one for Lync. Because only TCP/TLS is supported by Lync, which doesn't match the general trunks we get like pstn/sip(udp)/BRI/GSM or others, a translator like MyPBX is needed.

Basic Information:

IP of DC: 192.168.5.221 IP of Lync: 192.168.5.222 IP of MyPBX: 192.168.5.101 FQDN: lync.server.com(Front end server, SQL and mediation pool are installed here) Account: harryhua, extension: 128888,UPN: harryhua@server.com extension range in MyPBX: 500-510 default TCP port: 5060 (MyPBX), 5068(Lync)

Target:

- 1. Making internal calls between MyPBX and Lync server by dialing extension number directly without'+'.
- 2. Making outbound calls from Lync via the pstn trunk of MyPBX directly
- 3. Making inbound calls from PSTN trunk and then dial the number of Lync extension number after the second dial tone

2. Create topology to MyPBX and publish it

Open the topology you have got from the builder. If you haven't got one, please create and publish it successfully before adding a new gateway.



Lync Server 2010, Topology Builder					_ 🗆 🗙
File Action View Help					
🗢 🄿 🖄 💼 🛛 🖬					
 Lync Server 2010 Core Standard Edition Front End Servers Enterprise Edition Front End pools Director pools A/V Conferencing pools SQL stores SQL stores Mediation pools PSTN gateways Monitoring Servers Edge pools Trusted application servers Branch sites 	Mediation Server PSTN ga TLS listening port: TCP listening port: PSTN Gateways:	steway 5067 5068 Default	Gateway		Site
Start			Сн 📾 👘 🖡	× - ۲ 🕲 🍐 :	6:46 2012/6/1

Figure 2.1

Right click ' lync.server.com' and choose edit.

Lync Server 2010 Core Standard Edition Front End Servers Enterprise Edition Front End pools Director pools Director pools SQL stores Mediation pools Monitoring Server Topology View Edge pools View Edge pools View Menitoring Server View Help	Lync Server 2010 Core Standard Edition Front End Servers Enterprise Edition Front End pools Director pools Director pools A/V Conferencing pools SQL stores File stores Mediation pools Mediation pools Mediation pools Particle Stores Mediation pools Enterprise Edition pools Enterprise Edit Properties					-9
Image: Standard Edition Front End Servers Image: Standard Edition Front End pools Image: Standard Edition Front Enditend pools Image: St		TN gateway	Medi		erver 2010 re	Lync S
Image: Site of the stores Image: Site of the stores Image: Site of the stores Image: Site of the stores <th>Image: SqL stores PSTN Gateways: Default Gateway Stores Image: SqL stores Image: SqL stores Stores Stores Stores Image: SqL stores Image: SqL stores Stores Stores Stores Image: SqL stores Image: Stores Image: Stores Stores <</th> <th>5067 5068</th> <th>TL</th> <th>ront End Servers Front End pools</th> <th>Standard Edition F Enterprise Edition Director pools</th> <th>• (= • (= • (=</th>	Image: SqL stores PSTN Gateways: Default Gateway Stores Image: SqL stores Image: SqL stores Stores Stores Stores Image: SqL stores Image: SqL stores Stores Stores Stores Image: SqL stores Image: Stores Image: Stores Stores <	5067 5068	TL	ront End Servers Front End pools	Standard Edition F Enterprise Edition Director pools	• (= • (= • (=
Image: Server construction Im	Image Server.com Edit Properties Monitoring Server	Default Gateway Si	PS	pools	A/V Conferencing SQL stores File stores Mediation pools	
Image: Constraint of the second se	E Manitoring Serve			edit Properties	PSTN gateways	E
Edge pools View View Figure 7 Trusted applicat Help	Control and C		•	Topology	Monitoring Serve	E .
General Structure Applicat Help	Gege pools View		•	View	Edge pools	•
	Trusted applicat Branch sites Help Help Help Help Help Help Help Help			Help	Trusted applicat Branch sites	Đ 🛄

Figure 2.2



Click 'new' to add a pstn gateway to MyPBX

Note: make sure TCP is enabled in MyPBX in 'sip settings' page, which is disabled by default

Properties	
gateway	Mediation Server PSTN gateway
	Listening ports: * TLS: 5067 TCP: 5068
	Enable TCP port
	The following gateways are not associated with any Mediation Server. Click Add to associate them with this Mediation
	Gateway Site
	A <u>d</u> d
	The following gateways are associated with this mediation server. Click New to define a new gateway and add it to the list. Click Remove to remove a gateway from the list.
	Gateway Site
	New
	Remove

Figure 2.3

Input the IP of MyPBX(192.168.5.101 in this example), port(5060), click TCP as protocol, then click 'ok'

Define New IP/PSTN Gateway		×
Gateway FODN or IP Address *		
192.168.5.101		
Listening port for IP/PSTN gateway: *		
5060		
Sip Transport Protocol: <u>TCP</u> TLS		
Help	ОК	Cancel

Figure 2.4

Click 'ok' again to save it.



STN gateway	Mediation Server PSTN gatev	way		•
	Listening posts: # TLS: 5067	TCP: 5068		
		Ter. 1 2000		
	The TCP part of this Mediation Ca	nur much he anabled hereure	a TCO paterway depends on it	
	The for port of this model of se	iver must be enabled because	a rer gateway depends on it	•
	The following gateways are not as Server.	ssociated with any Mediation S	erver. Click Add to associate	them with this Mediation
	Gateway	Site		
		arted	A41	
			Phyline	
	Same and the second second			
	The following gateways are assoc the list. Click Remove to remove	iated with this mediation serve	r. Click New to define a new	gateway and add it to
	Cohever	a gateway from the list.		
		2010	a second s	
	192.168.5.101	core	New	
	✓ 192.168.5.101	core	New	
	√ 192.168.5.101	core	New	
	√ 192.168.5.101	core Make Defa	New, Remove	
	√ 192.168.5.101	core Make Defa	New Remove	
	√ 192.168.5.101	core Make Defa	New Remove	
	√ 192.168.5.101	core Make Defa	New Remove	
	√ 192.168.5.101	core Make Defa	New Remove	
	√ 192.168.5.101	core Make Defa	New	
	V 192.168.5.101	core Make Defa	New	
	V 192.168.5.101	core Make Defa	New	

Figure 2.5

Then you can see a new gateway, right click and publish it. Click 'finish' for ending







Lync Server 2	010, Topology Builder	×
File Action Vie	w Help	
	Publish Topology	×
Lync Server 2 core Stand	Publish the topology	-
A/V G A/V G A/V G A/V G SQL s Fiest Fiest PSTN PSTN Boot State Monta Boot State Arrow Boot State Boot Brand	 In order for Lync Server 2010 to correctly route messages in your deployment, you must publish your topology. Before you publish the topology, ensure that the following tasks have been completed: A validation check on the root node did not return any errors. A file share has been created for all file stores that you have configured in this topology. All simple URLs have been defined. For Enterprise Edition Front End pools and for Monitoring Servers and Archiving Servers: All SQL stores are installed and accessible remotely; firewall exceptions for remote access to SQL Server are configured. For a single Standard Edition server: The task "Prepare first Standard Edition server" was run. You are currently logged on as a SQL administrator, for example, as a member of the SQL sysadmin role. If you are removing a Front End pool, all users, common area phones, analog devices, application contact objects, and conference directories have been removed from the pool. 	Site
	Help Back Next Cancel	1

Figure 2.7

Lync Server 20	10, Topology Builder	
File Action View	r Help	
💠 🔿 🖉 🗗 🗗	ublish Topology	
Lync Server 2 Core Core Stand Core Core	Publishing in progress	-
	Please wait while Topology Builder tries to publish your topology.	Site
File st Media File st Media File st Monit File st Monit File st Monit File st File st	Publishing topology Downloading topology Downloading topology Succeeded Downloading global simple URL settings. Succeeded Enabling topology	ore
	BackCancel	

Figure 2.8



Lync Server 20	10, Topology Builder			120	
File Action View	v Help				
(* 🔿 🖄 📭	ublish Topology				
Lync Server 2 Core Core Stand Enter;	Publishing wizard comp	lete			-
	Your topology was successfully publishe	d.			Site
File st Media Media Media PSTN	Step ✓ Publishing topology ✓ Downloading topology	Status Success Success		View Logs	ore
Monits Archiv	Downloading global simple Ubl. s Fnabling topology	Success		_	
🗃 Edge । स 🍙 Trustx स 🍙 Brand	To close the wizard, click Finish.				
	Help		BackBin	ish Cancel	
					-

Figure 2.9

3. Enable lync account

Note: please create your account in DC first before adding it into Lync server

Enable lync account in 'lync server 2010 control panel' Open 'lync server control panel' and log in



😚 Home		
3 Users		3
Topology	User Information	Resources
D IM and Presence	Welcome, Administrator	Getting Started
😍 Voice Routing	View your roles	First Run Checklist Using Control Panel
Voice Features	Top Actions	Microsoft Lync Server 2010
🔏 Response Groups		Getting Help Downloadable Documentation
Conferencing	Enable users for Lync Server Edit or move users	Online Documentation on TechNet Lync Server Management Shell
Clients		Lync Server Management Shell Scrip Lync Server Resource Kit Tools
External User	View Monitoring Server reports	Community
Access		Forums
Monitoring and Archiving		Blogs
G Security		
Staturals		

Figure 3.1

Click 'users' to enable the account and spare a number to him, in my example, <u>User: harryhua</u> <u>The number is: +128888</u>

Click 'enable users' to start:



Click ' add'

5 Mi	crosoft Lync Server 2010 (Control Panel			<u></u>	. • J	
Pro 1	Lync Server 201	0					
	Home	User Search					
22	Users						
24	Topology	Search LDAP sea	arch		10.00	-	1
	IM and Presence	Search for users by typing a	user's name or clicking Ac	id filter	Find	b	+ Add
	Voice Routing	🕮 Enable users 👻 🥖 E	dit 🔻 Action 👻				
0	Voice Features	Display name	A Enabled	SIP address	Registrar pool	Telephony	
23	Response Groups						
Q	Conferencing		Select the t	type of searc	h that you war	nt to perfo	rm.
5	Clients	IM	PORTANT: Search	n returns use	rs already enat	oled for Ly	nc Serve
該	External User Access	×	does not include u users, selec	isers enabled ct Legacy us	d for previous v ers in the searc	versions. T h filter qu	o see the ery.
-	Monitoring and Archiving						
-	Security						
	Alexand.						

Figure 3.2

26 V 🌄 Microsoft Lync Server 2010 Control Panel - 🗆 × Lync Server 2010 Home Home 22 Users Topology New Lync Server User 🔆 Enable X Cancel Ģ IM and Presence Users:* 1 Voice Routing Status **Display name** Add 8 Voice Features 2 Response Groups ♥ Conferencing Clients Assign users to a pool:* ۳ External User 論 Access Generate user's SIP URI: • Use user's email address Monitoring 20 Use the user principal name (UPN) and Archiving Use the following format: -Security Network 63

Figure 3.3



Input name' harryhua', and click 'find'. Then choose it before clicking 'ok'

crosoft-			
Select from Active Directory			0
• Search CLDAP search			
harryhua		× Find + Add filt	ter 🛛 🕹
			Search results: 1
Name 🔺 Display name	Email	User principal name (UPN)	First name L
harry hua harry hua	harryhua@server.com	harryhua@server.com	harry h
4			,
4			OK Cancel
4			DK Cancel

Figure 3.4

Assign user to pool: lync.server.com

For user' SIP URL to log in at client software, we recommend using UPN Telephony: enterprise voice

Line URL: TEL: +128888



8	Microsoft	Administrator Sign out
æ.	Lync Server 20	10 4.0.7577.0
	Home	User Search
22	Users	
м	Topology	New Lync Server User
Ģ	IM and Presence	* Enable X Cancel
6	Voice Routing	Display name Status Add
6	Voice Features	
23	Response Groups	
Ŗ	Conferencing	Assign users to a pool:*
	Clients	lync.server.com
論	External User Access	Generate user's SIP URI:
	Monitoring and Archiving	Use the user principal name (UPN) Use the following format:
Ω	Security	<firstname>.<lastname> @</lastname></firstname>
9	Network Configuration	SAMAccountName> @ Specify a SIP URI: sip:example
		Telephony:
		Enterprise Voice
		Line URI: TEL:+128888

Figure 3.5

Click 'enable ' to save it.

Log in the client software with the new account: harryhua@server.com to test if it is successfully added as a lync server user.







4. Voice routing in lync

Note: the extension number of Lync server starts with '+'.

Edit the 'Global' dial plan

Mic	rosoft Lync Server 2010 (Control Panel						6		- 1
A	Lync Server 201	.0				_				
à	Home	Dial Plan	Voice Policy	Route	PSTN Usage	Trunk Con	figuration	Test Voice	Routing	
2	Users	Create	voice routing te	st case inf	ormation					
1	Topology	1						_		
	IM and Presence	-						٩		
8	Voice Routing	& New	• / Edit •	Action	 Commit 	•				
-	Voice Features	Nan	ne		 Scope 	State	Normaliz	ation rules	Description	
5	Response Groups	0	Global		Global	Committed	1			
þ	Conferencing									
5	Clients									
14	External User Access									
	Monitoring and Archiving									
1	Security									
,	Network									

Figure 4.1

Edit the rule of 'Prefix All'; we need add a '+' as the prefix



S Mi	crosoft Lync Server 2010 C	ontrol Panel
S	Lync Server 201	0
	Home	Dial Pian Voice Policy Route PSTN Usage Trunk Configuration Test Voice Routing
33	Users	Create voice routing test case information
24	Topology	
₽	IM and Presence	Edit Dial Plan - Global
12	Voice Routing	J OK X Cancel
6	Voice Features	External access prefix:
23	Response Groups	Accordated Normalization Dular
Q	Conferencing	New DCopy Deste Select Show details Remove 1 -
5	Clients	Normalization rule State Pattern to match Translation pattern
<u>.</u>	External User Access	Prefix Ali Committed ^(\d(11))\$ +\$1
	Monitoring and Archiving	
-	Security	
÷	Network	

Figure 4.2

Modify the length to 'any' and click 'ok ' to save it

S Mi	crosoft Lync Server 2010 C	Control Panel	×
S	Lync Server 201	0	
	Home	Dial Plan Voice Policy Route PSTN Usage Trunk Configuration Test Voice Routing	
23	Users	Create voice routing test case information	
24	Topology		
₽	IM and Presence	Edit Dial Plan » Edit Normalization Rule - Prefix All	
1	Voice Routing	J OK X Cancel	
S	Voice Features	clicking Edit.	
23	Response Groups	Starting digits:	
9	Conferencing	Length:	
5	Clients	Any 💌 1	
蘨	External User Access	Digits to remove:	
	Monitoring and Archiving	Digits to add:	
-	Security		
	Network	1	

Figure 4.3



Edit the 'route' page

🌄 Mie	crosoft Lync Server 2010	Control Panel					57	
	Lync Server 20	10						
	Home	Dial Plan	Voice Policy	Route	PSTN Usage	Trunk Configuration	Test Voice Routing	
33	Users	Create v	oice routing te	st case infor	mation			
×	Topology							
₽	IM and Presence						م	
જ	Voice Routing	🗣 New	🥖 Edit 🔻	The second secon		wn Action 🔻 Con	umit 🔻	
S	Voice Features	Nam	e		State	PSTN usage	Pattern to match	
23	Response Groups	Local	Route		Committed	Local	^(\+1[0-9]{10})\$	
Ŗ	Conferencing							
6	Clients							
1	External User Access							
-	Monitoring and Archiving							
4	Security							
2	Network Configuration						^	

Figure 4.4

Click 'LocalRoute' to start edit

🐯 Mie	crosoft Lync Server 2010 C	ntrol Panel		
à.	Lync Server 2010			
	Home	Dial Plan Voice Policy Route PSTN Usage Trunk Configuration	Test Voice Routing	
33	Users	Create voice routing test case information		
×	Topology			
₽	IM and Presence	Edit Voice Route - LocalRoute		
¢	Voice Routing	OK X Cancel		
S	Voice Features	Type a valid number and then click Add.	Add	
23	Response Groups	+1[0-9](10)	Exceptions	
Ð	Conferencing		Remove	
6	Clients			
許	External User Access	Match this pattern:*		
	Monitoring and Archiving	^(\+1[0-9](10))\$ Edit Reset ?		
9	Security			
2	Network Configuration	L		

Figure 4.5



Modify the default pattern to ^(\+\d*)\$

🐺 Microsoft Lync Server 201	10 Control Panel	
Lync Server 2	010	
🔄 Home	Dial Plan Voice Policy Route PSTN Usage	Trunk Configuration Test Voice Routing
32 Users	Create voice routing test case information	
M Topology	Type a Regular Expression	0 ×
IM and Presence	Type a regular expression:*	
Coice Routing	^(\+\d*)\$	
📞 Voice Features	L	Add
2 Response Groups		xceptions
👳 Conferencing		Remove
Clients		
External User Access		OK Cancel
Monitoring and Archiving	Edit Reset 3	
A Security		
P Network Configuration		

Figure 4.6

Click 'ok' to save it, and you will see the modified patten as below:

🌄 Mi	crosoft Lync Server 2010 (ontrol Panel	29	
	Lync Server 201			
	Home	Dial Plan Voice Policy Route PSTN Usage Trunk Configuration	Test Voice Routing	
33	Users	Create voice routing test case information		
×	Topology			
₽	IM and Presence	Edit Voice Route - LocalRoute		
Ç	Voice Routing	V Cancel		
S	Voice Features	Type a valid number and then click Add.	Add	
23	Response Groups	+d*	Exceptions	
Ð	Conferencing		Remove	
G	Clients			
詣	External User Access	Match this pattern:*		
	Monitoring and Archiving	Edit Reset		
-	Security			
Ŷ	Network Configuration			

Figure 4.7



Add the associated gateway:

🌄 Mi	crosoft Lync Server 2010	Control Panel	
2	Microsoft	0	
æ.	Lyric Server 20.	.0	
	Home	Dial Plan Voice Policy Route PSTN Usage Trunk Configuration	Test Voice Routing
33	Users	Create voice routing test case information	
×	Topology		
₽	IM and Presence	Edit Voice Route - LocalRoute	
Q	Voice Routing	✓ OK X Cancel	1
S	Voice Features	Suppress caller ID	
23	Response Groups	Alternate caller ID:	
Ð	Conferencing		
	Clients	Associated gateways:	Add
諧	External User Access		Remove
	Monitoring and Archiving		
4	Security	Associated PSTN Usages	
Ŷ	Network Configuration		(×

Figure 4.8

🌄 Mie	crosoft Lync Server 2010	Control Panel	
Fre	Lync Server 20	Select Gateway	
	Home	t Voice R	outing
33	Users		
M	Topology	Service Site	
Ģ	IM and Presence	PsthGateway:192.168.5.101 core	
13	Voice Routing		
8	Voice Features		
23	Response Groups		
Ð	Conferencing		
6	Clients		
謠	External User Access		
	Monitoring and Archiving		
8	Security	OK	
Ŧ	Network Configuration		

Figure 4.9



🌄 Mi	crosoft Lync Server 2010	Control Panel		
	Lync Server 20	10		
	Home	Dial Plan Voice Policy Route PSTN Usage Trunk Configuration	Test Voice Routing	
33	Users	Create voice routing test case information		
×	Topology			
Ģ	IM and Presence	Edit Voice Route - LocalRoute		
Ç	Voice Routing	✓ OK X Cancel		
S	Voice Features	Suppress caller ID		
23	Response Groups	Alternate caller ID:		
Ð	Conferencing			
	Clients	Associated gateways: PstnGateway:192.168.5.101	Add	
詻	External User Access		Remove	
	Monitoring and Archiving			
4	Security	Associated PSTN Usages		
9	Network Configuration			

Figure 4.10



🌄 Mi	crosoft Lync Server 2010 (Control Panel			J×
Ser.	Lync Server 201	0			
	Home	Dial Plan Voice Policy Route	PSTN Usage Trunk Configur	ation Test Voice Routing	
33	Users	Create voice routing test case inf	ormation		
N	Topology	1			
Ģ	IM and Presence			Q	
8	Voice Routing	🗣 New 🥖 Edit 🔻 👚 Move i	ip 👆 Move down Action 🔻	Commit 🔻	
8	Voice Features	Name	State PSTN u	sa Review uncommitted changes	
23	Response Groups	LocalRoute	🦆 Uncommitted Local	Commit all	
Q	Conferencing			Cancel selected changes	
6	Clients			Cancel all uncommitted changes	
<u>i</u> s	External User Access				
	Monitoring and Archiving				
-	Security				
Ŷ	Network Configuration				

Figure 4.11

commit all the modification.

the configuration in Lync server side is finished .



5. Configurations in MyPBX

Create a 'peer to peer' sip trunk: Hostname/IP: the IP of Lync server, 192.168.5.222 Port: 5068(the default port for TCP protocol) Transport: TCP

Edit Service Provider Trunk-SPS-Lync				
Туре:	SIP 🚽			
Provider Name:	Lync			
Hostname/IP	192.168.5.222 : 5068			
Maximum Channels 🛈 :	0			
Codecs :	First: a-law - Second: u-law - Third: GSM -			
	Fourth: None - Fifth: None -			
Transport:	TCP 👻			



Check the status in 'line status' page: OK (2 ms) Lync SP-SIP

192.168.5.222 OK (2 ms)

5.1 Configurations for calling between extensions

1. Create inbound route for this trunk with DID for each extension extension range in MyPBX(500-510 for example)



	e: LYNC_HARRY		>		
General					
	Route Name 🛈 : 🗅	(NC_HARRY			
	DID Number 🔍 : 500-510				
	Extension 🛈 : 5	00-510			
	Caller ID Number 🛈 :				
	Distinctive Ringtone 🛈 :				
	Enable Callback : No	Callback Settings			
Member Trunks)				
Member Trunks	able Trunks	Selected			
Member Trunks Avail 5503301(FXO) 5503302(FXO) 5503305(FXO) 5503306(FXO)	able Trunks	Selected	*		
Member Trunks Avail 5503301(FXO) 5503302(FXO) 5503305(FXO) 5503306(FXO) 5503306(FXO) 5503301(FXO) DigitalTrunk1(E1)	able Trunks	Selected >>>			

Figure 5.1

In this case, you can dial the extension number of MyPBX from Lync client directly.

 Create outbound route for this trunk for dialing the extension number of Lync server Note: extension number of Lync server is '+12XXXX'

in my example, the number of account 'harryhua' is +128888



Edit Outbound Route - lynctest_harry	
Route Name 🛈 :	: lynctest_harry
Dial Pattern 🛈 :	: 12.
Strip 🛈 :	: 0 digits from front
Prepend these digits 🔍 :	: + before dialing
Password:	:
T.38 Support 🛈 :	: No 👻
Rrmemory Hunt 🛈 :	No 👻
Member Extensions	
Available Extensions	Selected
	>>> 6048(SIP) 601(FXS) 602(FXS) 5000(SIP) 5001(SIP) 5002(SIP) 5003(SIP) 5004(SIP) 5004(SIP)
Member Trunks	Salactad
5503301(FXO) 5503302(FXO)	>>> Lync(SPS)

Figure 5.2

5.2 dialing out from Lync via the pstn trunk of MyPBX

Note: please check if the pstn trunk is available in MyPBX.

1. Create outbound route for pstn trunk



Edit Outbound Route - pstnout	
Route Name 🛈 :	: pstnout
Dial Pattern 🛈 :	: X.
Strip 🛈 :	: 0 digits from front
Prepend these digits 🛈 :	: before dialing
Password:	:
T.38 Support 🛈 :	No 👻
Rrmemory Hunt 🛈 :	No 👻
Member Extensions	
Available Extensions	Selected
•	>>> 5002(SIP) 5003(SIP) 5004(SIP) 5005(SIP) 5006(SIP) 5006(SIP) 5009(SIP) 6001(SIP) **
Member Trunks	
Available Trunks	Selected
5503305(FXO)	>> 5503301(FXO)
Fig	igure 5.3

2. Create inbound route for Lync trunk and choose this route as the destination



di	t Inbound Route: LYNC	_HARRY			
Г	General				
	F	Route Name 🛈 : 🗅	NC_F	HARRY	
	D	ID Number 🛈 :			
		Extension 🛈 :			
	Caller	ID Number 🛈 :			
	Distinctiv	e Ringtone 🛈 :			
	E	nable Callback : No	•	Callback Settings	
	Member Trunks Available Tru	unks		Selected	
	5503301(FXO) 5503302(FXO) 5503305(FXO) 5503306(FXO) 5503303(FXO) 5503310(FXO) DigitalTrunk1(E1) Chianmobile180(SIP)	H	»»	Lync(SPS)	
	Business Davs				
	Office Hours :	default	•		
	Office Hours Destination :	Outbound Routes	Ŧ	Route Name pstnout 🗸	
	Non-office Hours Destination :	Outbound Routes	•	Route Name pstnout 🚽	



Then you can dial your cell phone number from Lync client software directly.

5.3 dial into Lync server from outside

1. Create outbound route for the sip trunk to Lync server.



Edit Outbound Route - lynctest_harry			
Route Name 🛈 :	lynctest_harry		
Dial Pattern 🛈 :	12.		
Strip 🛈 :	0 digits from front		
Prepend these digits 🔍 :	+ before dialing		
Password:			
T.38 Support 🛈 :	No 👻		
Rrmemory Hunt 🛈 :	No 👻		
Member Extensions			
Available Extensions	Selected		
	>>> 6048(SIP) 601(FXS) 602(FXS) 5000(SIP) 5001(SIP) 5002(SIP) 5003(SIP) 5004(SIP) **		
Member Trunks	Selected		
5503301(FXO) 5503302(FXO)	>> Lync(SPS)		

figure 5.5

2. Create DISA and choose this outbound route

Add DISA			X
General			
N	ame 🛈 : LYNC		
P	IN # 🛈 :		
Response Time	eout 🛈 : 10		
Digit Time	eout 🛈 : 5		
Member Outbound Routes			
Available Outbound Routes	;	Selected Outbound Routes	
PipigoTest 5502205	*	lynctest_harry	*
	Figure 5.6		



3. Create inbound route for pstn trunk and choose DISA as destination

dit Inbound Route: pstni	n				
General					
F	Route Name 🛈 : 🛛	stnin			
D	ID Number 🛈 :				
	Extension 🛈 :				
Caller	ID Number 🛈 :				
Distinctiv	e Ringtone 🛈 :				
E	nable Callback : N	lo 🗸 🤇	Callback Settin	<u>qs</u>	
Member Trunks	inks E	»» 	5503301(FXO 5503302(FXO 5503310(FXO 5503303(FXO	Selected	×
Business Days					
Office Hours :	default	•			
Office Hours Destination :	DISA	•	DISA LY	NC .	3
Non-office Hours	DISA	•	DISA LY	NC .	

Figure 5.7

You can test by dialing the pstn number first, and then dial the extension number of Lync server after the second dial tone.

<The end>