SKYPE CONNECTOR FOR DATATAL FLEXI SERVER

Summary This document describe how to configure Skype server and Flexi server to communicate

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Troubleshooting



Office 365 UCWA Configuration

Prerequsite

- A Microsoft Office account that has access to Skype Online P2
- Activate license Skype integration on Flexi user
- Public FQDN to Flexi server
- Server need internet access

Limitations

- Flexi will only read data from Skype Online
- Will not affect line status in Flexi, due to inconsistent behavior on presence state in Skype. Data will be treated as Skype user information data.

Register your application with Azure AD

Sign in to the Azure Management Portal, then do the following:

- 1. Log into to https://aad.portal.azure.com as administrator
- 2. Select "Azure Active Directory" and then "App registrations"
- 3. Add an app "New application registration"

Azure Active Directory admin o	center	
«	Dashboard > Datatal AB - App registration	s
🗔 Dashboard	Datatal AB - App registrations Azure Active Directory	
All services		+ New application registration 🗄 Endpoints 🗙 Troubleshoot
Enterprise applications	Overview	The preview experience for App registrations is available. Click this banner to la
Azure Active Directory	🥳 Getting started	Search by name or AppID My apps V
🎽 Users	Manage	DISPLAY NAME
App registrations	🗳 Users	
	🝰 Groups	
	🌵 Organizational relationships	
	🔓 Roles and administrators	
	Enterprise applications	
	Devices	
	Registrations	

- 4. Enter Name a uniqe name for this app like "PresentityUCWAConnector"
- 5. Select Application type Native
- 6. On Redirect URI set Fel! Ogiltig hyperlänkreferens.
- 7. Click create
- 8. Select Settings -> Require premissions -> Add -> Select an API -> Skype for Business Online
- 9. Click Select
- 10. Check Read/Write Skype user information
- 11. Check Read/Write Skype user contact and groups
- 12. Click Select

	PI access	×	Enable Access		×
1	Select an API Skype for Business Online	~	DELEGATED PERMISSIONS	REQUIRES ADMIN	
			Initiate conversations and join meetings	🖨 No	
2	Select permissions	>	Create Skype Meetings	🖨 No	
	o role, 2 scopes		Read/write Skype user information (preview)	🖨 No	1
			Receive conversation invites (preview)	🖨 No	_
			 Read/write Skype user contacts and groups 	🖨 No	

13. Click Done

14. Click Grant premissions

Required permissions		
🕂 Add	Grant permissions	

Do you want to grant the permissions below for PresentityUCWAConnector for all accounts in current directory? This action will update any existing permissions this application already has to match what is listed below.

Yes	No

15. Copy Application ID notepad, needed when configure Flexi Presentity





Sign in to Admital web

1. Make sure that you logon as sysop accessright. Need access to System tab

System
Admin
System load
Dynamic fields
Gateway
Calendar integration
Directory Service
Skype integration
Active connections
Rules
Servers
UCWA Servers

- 2. Click New Server...
- 3. Enter **username** and **passhrase** for a the Skype account that Presentity should use. User must be a valid Skype user.
- 4. Enter **Client ID**, user **Application ID** from above
- 5. AD instance, enter https://login.microsoftonline.com/
- 6. In Domain, enter customers domain
- 7. In Tennant, enter customers tennant domain.

Edit	
Username:	@datatal.se
Passphrase:	
Client ID:	0f391d41-7e6c-49d7-8737-
AD instance:	https://login.microsoftonline.com/
Domain:	datatal.se
Tennant:	datatal365.onmicrosoft.com
	Save Cancel Delete Apply

- 8. Goto System->Skype integration->Rules
- 9. Click New
- 10. Select [UCWA] Host, this is the created host above
- 11. Enter a rule, example <u>%@datatal.se</u> this will match all users on @datatal.se
- 12. Enter a priority, enter 1 if no other rules are needed
 - System / Skype integration / Rules

Edit ru	le
Host:	[UCWA] datatal365.onmicrosoft.com 🔹
Rule:	(%@datatal.se
Priority:	1
	Save Cancel Delete Apply

Trobleshooting UCWA integration

- Goto UCWA server in Admital, check status text column. Example below is everything okay

New server				
Tennant	AD Instance	Domain	Status	Status text
datatal365.onmicrosoft.com	https://login.microsoftonline.com/	datatal.se	1	Connected

- Check that, username and password is correct entered
- Check that Client ID is the same as application ID on app in Azure AD
- On Flexi server goto x:\flexi\log\lyncconnector
 - \circ $\;$ Check error.log and warning.log $\;$
 - Check ucwa.log and ucwaclient.log
- Check internet access, firewall setting that blocks communication



Skype onpremise configuration

Prerequsite on Flexi server

- Flexi license for Skype connection
- Windows Server 2008 R2 SP1 or Windows Server 2012
- Windows Server 2012: Media Foundation server feature
- Windows Server 2008 R2 SP1: Desktop Experience server feature
- x64
- .NET 4.5
- UCMA 4.0 Runtime

Start Powershell on Flexi server and run...

Windows 2012

Install-WindowsFeature server-media-foundation



Windows 2008 R2 SP1

Import-module servermanager

Add-WindowsFeature Desktop-Experience

If reboot is require after installation of Media Foundation or Desktop Experience, do so

In Flexi installer GUI start the installation of UCMA 4.0 runtime

Key Strate 2015-10-08 10:04 Application 245 873 KB



Skype Server settings

On Skype server

Start Powershell manager for Skype...



Get-CsSite





Run this command...

New-CsTrustedApplicationPool -Identity flexi-Presentity.datatal.se -Registrar lync2013.datatal.se -Site visby -ComputerFqdn inhouse.datatal.se

Identity = Trusted Application Pool

Registrar = Skype servers full FQDN

Site = Skype site name, from previous step

ComputerFqdn = Flexi server name FQDN



Create application ID and bind a port

New-CsTrustedApplication -ApplicationId urn:application:Presentity -TrustedApplicationPoolFqdn flexi-Presentity.datatal.se -Port 6001

ApplicationId = urn:application:Presentity

Port = 6001



After New-CsTrustedApplicationPool and New-CsTrustedApplication run Enable-CsTopology to enable config changes.

Enable-CsTopology



Service GRUU is needed for Flexi to communicate with Skype server. To receive that run this command, and copy it from console Window and save it to later use in a text file.

Get-CsTrustedApplication -Identity flexi-Presentity.datatal.se/urn:application:presentity



Later you will need to create a certificate on the Skype server, so be sure that you still have access to it.

Flexi server Settings

Now login to Admital and create a Lync server and fill these settings. Be careful that all settings are case sensitive!! Log in as sysop

Admital->System->Lync integration->Servers

New...

Host : Skype server FQDN

Port: 5061

URI: sip:cflexiserverFQDN

ServicePort: 6001

GRUU: <paste it from previous step>

www.datatal.se	System / Lync in	tegration / Servers			
Index					
Messages	Edit [nf]se	rver			
User	Host:	lync2013 datatal se			
Call Center	11050.	The Fordulation			
Company	Port:	<mark>5061</mark>			
Interception	Uri:	sip:inhouse.datatal.se			
Queue/transfer	ServicePort:	<mark>6001</mark>			
Menu	GRUU:	sip:flexi-Presentity.datatal.	se@datatal.	se;gruu;opac	ue=srvr:r
Voice mail	Certificate:				
Schedule					
Entry point	Serial number:				
Statistics					
Search		Save	Cancel	Delete	Apply
Time booking					
System					
Admin					
System load					
Dynamic fields					
Calendar integration					
Lync integration					
Active connections					

Rules

Servers

Save

11

Rule

New..

Select host server

Rule: enter domain that can access skype service

Priority: a value within 0-10

Index	
Messages	New rule
User	Host: Ivnc2013 datatal se
Call Center	
Company	Rule: @datatal.se
Interception	Priority <mark>: 5</mark>
Queue/transfer	
Greetings	Save Cancel Apply
Menu	
Voice mail	
Schedule	
Entry point	
Statistics	
Search	
Time booking	
System	
Admin	
System load	
Dynamic fields	
Calendar integration	
Lync integration	
Active connections	
Rules 🕨	
Servers	
Accessnumber	
Log out	

Certificate create on Skype server

We need to create a certificate for communication between Skype server and Flexi server. To create this, follow these steps. Its required!

On Skype server Start -> MMC

Certificate

Programs (1)
🚟 mmc
♀ See more results
mmc Log off



File -> Add/Remove Snap-in

-	Conse	ole1 - [Co	onsole	Root]		
-	File	Action	View	Favorites	Window	He
	Ne Op Sa Sa	w oen ve ve As Id/Remove	e Snap-i	n	Ctrl+N Ctrl+O Ctrl+S Ctrl+M	
	0p 1 (2 (3 (4 (otions I:\Windov I:\Windov I:\Windov I:\Windov	vs\syste vs\syste vs\syste vs\\Si	em32\gpedit em32\service: em32\storexp erverManage	5 r	
	Ex	it				

Add Certificates...

		-			Edit Extensions
Active Directory Do	Microsoft Cor				Remove
Active Directory Site	Microsoft Cor				
Active Directory Use					
	Microsoft Cor				Move Up
Authorization Manager	Microsoft Cor				Move Down
Certificates	Microsoft Cor		Add >		nove bown
Component Services	Microsoft Cor				
Computer Managem	Microsoft Cor				
Device Manager	Microsoft Cor				
Disk Management	Microsoft and				
Event Viewer	Microsoft Cor				
Folder	Microsoft Cor				
Group Policy Object	Microsoft Cor	-		ļ	Advanced

Choose "Computer account"

Ad <u>d or Remove Snap-ins</u>	×
Certificates snap-in 🗙	
	or snap-ins. For
This snap-in will always manage certificates for:	
C My user account	
C Service account	Edit Extensions
	Remove
	Maria Us
	Move op
	Move Down
	Advanced
·] (
< Back Next > Cancel	
	r a computer.
)	
	DK Cancel

Choose "Local computer"

Ad <u>d or Remove Snap-ins</u>	×
Select Computer X	of spap-ips. For
Select the computer you want this snap-in to manage.	
This snap-in will always manage:	Edit Extensions
Computer: (the computer this console is running on)	Removie
C Another computer: Browse	Renove
Allow the selected computer to be changed when launching from the command line. This only applies if you save the console.	Move Up
	Move Down
	Advanced
K Back Finish Cancel	r a computer.
	OK Cancel

Verify that Certificates is selected and press ok

abic shap inst	Vendor			Edit Extensions
Active Directory Do	Microsoft Cor	-	Certificates (Local Computer)	
Active Directory DU	Microsoft Cor		Certificates (Local Computer)	Remove
Active Directory Lise	Microsoft Cor			
ActiveX Control	Microsoft Cor			Maria Un
ADSI Edit	Microsoft Cor			Move Up
Authorization Manager	Microsoft Cor			Move Down
Certificates	Microsoft Cor		Add >	
Component Services	Microsoft Cor			
Computer Managem	Microsoft Cor			
Device Manager	Microsoft Cor			
Disk Management	Microsoft and			
Event Viewer	Microsoft Cor			
Folder	Microsoft Cor			* d d
Group Policy Object	Microsoft Cor	_		Advanced
ription:				
inpelorn				

Browse to Certificates->Personal->Certificates





Left click in the white space and All Task->Request New Certificate...

All Tasks 🔹 🕨	Request New Certificate
Refresh	Import
Export List	Advanced Operations
View 🕨	
Arrange Icons 🕨 Line up Icons	
Help	

Click Next...

Certificate Enrollment
📮 Certificate Enrollment
Before You Begin
The following steps will help you install certificates, which are digital credentials used to connect to wireless networks, protect content, establish identity, and do other security-related tasks.
Before requesting a certificate, verify the following:
Your computer is connected to the network You have credentials that can be used to verify your right to obtain the certificate
Learn more about <u>digital certificates</u>
Next Cancel

Click Next...

Certificate Enrollment	
🚘 Certificate Enrollment	
Select Certificate Enrollment Policy	
Certificate enrollment policy enables enrollment for certificates based on predefined certifica enrollment policy may already be configured for you.	te templates. Certificate
Configured by your administrator	
Active Directory Enrollment Policy	M .
Configured by you	Add New
Learn more about <u>certificate enrollment policy</u>	
	Next Cancel

Choose, Webserver V2 and click on the link that says "More information is required for this certificate. Click here to configure settings"

Initiate Enrollment Request Certificates You can request the following types of certificates. Select the certificates you want to request, and the Active Directory Enrollment Policy Computer Computer Image: Comp	_
Active Directory Enrollment Policy Computer Image: Status: Available RemoteDesktopComputer Image: Status: Available More information is required to enroll for this certificate. Click here to configure settings. Image: Web Server V2 (Windows 2003) Image: Status: Available Image: More information is required to enroll for this certificate. Click here to configure settings. Image: More information is required to enroll for this certificate. Click here to configure settings. Image: More information is required to enroll for this certificate. Click here to configure settings. Image: More information is required to enroll for this certificate. Click here to configure settings. Image: More information is required to enroll for this certificate. Click here to configure settings. Image: More information is required to enroll for this certificate. Click here to configure settings. Image: Show all templates earn more about certificates	
Active Directory Enrollment Policy Computer STATUS: Available RemoteDesktopComputer STATUS: Available More information is required to enroll for this certificate. Click here to configure settings. Web Server V2 (Windows 2003) STATUS: Available More information is required to enroll for this certificate. Click here to configure settings. More information is required to enroll for this certificate. Click here to configure settings. Show all templates Learn more about certificates	n click Enroll.
□ Computer ③ STATUS: Available □ RemoteDesktopComputer ④ STATUS: Available ▲ More information is required to enroll for this certificate. Click here to configure settings. ☑ Web Server V2 (Windows 2003) ④ STATUS: Available ▲ More information is required to enroll for this certificate. Click here to configure settings. ▲ More information is required to enroll for this certificate. Click here to configure settings. ▲ More information is required to enroll for this certificate. Click here to configure settings. ▲ More information is required to enroll for this certificate. Click here to configure settings. ■ Show all templates Learn more about certificates	
RemoteDesktopComputer STATUS: Available More information is required to enroll for this certificate. Click here to configure settings. Web Server V2 (Windows 2003) STATUS: Available More information is required to enroll for this certificate. Click here to configure settings. More information is required to enroll for this certificate. Click here to configure settings. Show all templates Learn more about certificates	Details 🛞
More information is required to enroll for this certificate. Click here to configure settings. Status: Available More information is required to enroll for this certificate. Click here to configure settings. Show all templates earn more about <u>certificates</u>	Details 🛞
Web Server V2 (Windows 2003) Status: Available More information is required to enroll for this certificate. Click here to configure settings. Show all templates earn more about <u>certificates</u>	
More information is required to enroll for this certificate. Click here to configure settings. Show all templates earn more about certificates	Details 🛞
Show all templates earn more about <u>certificates</u>	
Show all templates earn more about <u>certificates</u>	
earn more about <u>certificates</u>	
earn nore about <u>ceruncates</u>	
Enroll	

In Type enter common name, in this case its TrustedApplication pool FQDN

In this example its "CN = flexi-Presentity.datatal.se" and click add>

🔄 Certifical	te Enrollment	_ 🗆 ×
🔄 Certifica	te Enrollment	
	Certificate Properties	
Requ	🔥 Subject General Extensions Private Key Certification Authority Signature	
You c	The subject of a certificate is the user or computer to which the certificate is issued. You can enter information about the types of subject name and alternative name values that can be used in a certificate.	inroll.
	Subject of certificate The user or computer that is receiving the certificate	ıils⊛
	Subject name: Type:	ıils 🛞
V	Full DN Add > Value: \Leftexi-Presentity.datatal.se	ils ⊛
	Alternative name: Type: Directory name	
Learn	Value: Add >	
	< Remove	Cancel
	Learn more about <u>subject name</u>	
	OK Cancel Apply	1

In Alternative name change type to DNS and enter

FlexiServer name, skype server name, TrustedApplicationPoolFQDN

Inhouse.datatal.se in this case is flexiserver

flexi-Presentity.datatal.se in this case TrustedApplicationPoolFQDN

lync2013.datatal.se in this case Skype for Business server (don't mind lync2013 it's just a computer name)

Certificate Ce Requ	Enrollment	_
Ce Requ	ertificate Properties	-
Requ		1
	🚴 Subject General Extensions Private Key Certification Authority Signature	
You c	The subject of a certificate is the user or computer to which the certificate is issued. You can enter information about the types of subject name and alternative name values that can be used in a certificate.	inroll.
<u>A</u> (Subject of certificate The user or computer that is receiving the certificate	ils 🛞
	Subject name: Type: CN=flexi-Presentity.datatal.se	iils ⊛
N	Full DN Add > Value:	uils 🛞
	Alternative name:	
🗖 5 Learn	DNS Value: Inhouse.datatal.se	
	< Remove	Cancel
- L	Learn more about <u>subject name</u>	

When finish press OK...

Certificate	: Enrollment	_ 🗆 ×
	e chromment	1
Requ	🚴 Subject General Extensions Private Key Certification Authority Signature	-
You c	The subject of a certificate is the user or computer to which the certificate is issued. You can enter information about the types of subject name and alternative name values that can be used in a certificate.	inroll.
<u>A</u> (Subject of certificate	ile 🛞
	Subject name:	ils 🛞
	Type: CN=next-presencity.datatal.se Full DN Add >	
•	Value: < Remove	iils 🛞
	Alternative name:	
s	Type: DNS The flexi-Presentity.datatal.se	
earn	Value: Add >	
	< Remove	Cancel
	Learn more about subject name	
	OK Cancel Apply	

Now press Enroll...

Active Directory Enrollment Policy Computer STATUS: Available RemoteDesktopComputer STATUS: Available More information is required to enroll for this certificate. Click here to configure settings.	Details (Details (gs.
Computer STATUS: Available RemoteDesktopComputer STATUS: Available More information is required to enroll for this certificate. Click here to configure settings. Wash Server Y2 (Windows 2002) Status Available	Details (Details (gs.
RemoteDesktopComputer STATUS: Available More information is required to enroll for this certificate. Click here to configure settings. Web Server V2 (Windows 2002) Computer 2003	Details (
A More information is required to enroll for this certificate. Click here to configure settings.	gs.
Woh Server V2 (Wedows 2002)	-
STATUS: Available	Details (
Show all templates	

Now you shall see a Status:Succeeded and a valid period, mind that this certificate must be renewed before that period ends! Press Finish.

tificate Enrollment			
tificate Enrollment	ults		
The following certificates have b	been enrolled and installe	d on this computer.	
Active Directory Enro	ollment Policy		
Web Server V2 (Windows	2003)	STAT <mark>US:</mark> Succeeded	Details 🛞
The following options desc Key usage: Application policies: Validity period (days) <mark>:</mark>	rribe the uses and validity Digital signature Key encipherment Server Authentication 730	, period that apply to this typ	e of certificate: View Certificate
			Finist

Now in the MMC GUI you shall see an active certificate that can be exported. Next step export...

flexi-Presentity.datatal.se Datatal Certification Authority 2017-10-06 Server Authentication



Right click on the new certificate, all tasks->export...

flexi-Pr Colored International	esentity datatal se Open	Datatal Certification Authority Datatal Certification Authority
	All Tasks 🔸	Open
	Cut Copy	Request Certificate with New Key Renew Certificate with New Key
	Delete	Manage Private Keys
	Properties	Advanced Operations
	Help	Export

Click Next...



Export with private key... click Next...

Certificate Export Wizard				
Export Private Key You can choose to export the private key with the certificate.				
Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.				
Do you want to export the private key with the certificate?				
Yes, export the private key				
O No, do not export the private key				
Learn more about <u>exporting private keys</u>				
< Back Next > Cancel				

Click Next...

Ce	rtificates can be exported in a variety of file formats.
Sel	ect the format you want to use:
	C DER encoded binary X.509 (,CER)
	C Base-64 encoded X.509 (.CER)
	C Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
	\square Include all certificates in the certification path if possible
	 Personal Information Exchange - PKCS #12 (.PFX) Include all certificates in the certification path if possible
	Delete the private key if the export is successful
	Export all extended properties
	C Microsoft Serialized Certificate Store (.SST)
Learn m	nore about <u>certificate file formats</u>
	< Back Next > Cancel

Enter a Password and remember it, will be needed when import on Flexi Server. Click Next...

Certificate Export Wizard
Password
To maintain security, you must protect the private key by using a password.
Type and confirm a password.
Password:
••••••
Type and confirm password (mandatory):
a Barly Mark S. Caraal

Enter a filename... Click Next...

e to Export				
Specify the nar	ne of the file you war	nt to export		
Eile name:				
C:\Users\meg	aman\Documents <mark>\fle</mark>	ki-presentity-lyncCe	ert.pfx	Browse

Click Finish...

Certificate Export Wizard		×
	Completing the Certificate E Wizard You have successfully completed the Certificate wizard. You have specified the following settings:	Export
	File Name Export Keys Include all certificates in the certification path File Format	C:\Use Yes No Person
	< <u>B</u> ack Finish	Cancel



Browse to the file where it was exported to and copy the file to FlexiServer...

Name *	Туре	Date modified	Size	
🏂 flexi-presentity-lyncCert	Personal Information Exchange	2015-10-07 11:44	4 KB	

Certificate import on Flexi server

On the Flexi server

Start->MMC

Programs (1)	
in mini and a second se	
Coo more vegulte	
mmc	Log off

File->Add/Remove Snap-in

	Conse	ole1 - [C	onsole	Root]		
-	File	Action	View	Favorites	Window	Help
	Ne Op Sa Sa Ad Op 1 9 2 0 3 s 4 0 Ex	w ve As id/Removi itions 5erverMar devmgmt services compmgml it	e Snap-i nager :	Ctrl+N Ctrl+O Ctrl+S		

Choose Certificates -> Add>

		_	Console Root	Edit Extensions
ActiveX Control N	Microsoft Cor			
Authorization Manager N	Microsoft Cor			Remove
Certificates	Microsoft Cor			
Component Services	Microsoft Cor			Move Up
Computer Managem N	Microsoft Cor			
Device Manager N	Microsoft Cor			Move Down
Disk Management N	Microsoft and	Add >		
Event Viewer 🛛 🛛 🕅	Microsoft Cor			
Folder N	Microsoft Cor			
Group Policy Object N	Microsoft Cor			
Internet Information N	Microsoft Cor			
, IP Security Monitor	Microsoft Cor			
, IP Security Policy Ma N	Microsoft Cor	_		* d
Link to Web Address N	Microsoft Cor	•	<u> </u>	Advanced
cription:				

Choose "Computer account" and click Next...

29

Certificates snap-in		X
This snap-in will always manage certificates for:		
C <u>M</u> y user account		-
<u>Service account</u> <u>Computer account</u>		Ī
	< <u>B</u> ack <u>Next ></u>	Cancel

Choose "Local computer", click Next...

Select Computer	×
Select the computer you war	t this snap-in to manage.
This snap-in will always ma	nage:
Contract	computer this console is running on)
C Another computer:	Browse
Allow the selected cor only applies if you sav	nputer to be changed when launching from the command line. This e the console.
	< Back Finish Cancel

Verifiy that Certificates is selected snap-in and click OK

ap-in vi	rendor			
Antional M	Neverable Car	-	Console Root	
Actives Control M	Alerosoft Cor		Certificates (cocal computer	Remove
Authorization Manager M				
Ceruncates M				
Component Services M	nicrosoft Cor			Move Up
Computer Managem M	Aicrosoft Cor			Mous Down
Device Manager M Disk Management M	Aicrosoft Cor		Add >	Move Down
Disk Management M	Alcrosoft Care			
Event viewer M	Aicrosoft Cor			
Curren Delian Obierta M				
Group Policy Object M	Alerosoft Cor			
Incerned Information M	Alcrosoft Cor			
IP Security Monitor M	Alerosoft Cor			
IP Security Policy Ma M	Vicrosoft Cor	Ţ		Advanced
LINK to web Address	herosore Cor	_	,	



Browse to Certificates->Personal->Certificates

5	Cons	ole1 - [C	onsole	Root\Certi	ficates (L	ocal Compu	uter)\Personal\(Ce
-	File	Action	View	Favorites	Window	Help		
4		2	1	0 🗟	?			
	Cons	sole Root						
	i (Certificate	s (Local	Computer)				Ľ
L	Ξ	Person	ial	_				
L		_ 🚞 Ce	rtificate	s				Ľ
	Ŧ	🎽 Truste	d Root (Pertification 4	luthorities			

In the white space right click and All-Tasks->Import

All Tasks 🔹 🕨	Request New Certificate
Refresh	Import
Export List	Advanced Operations
View 🕨	
Arrange Icons 🔸 Line up Icons	
Help	

Click Next...



Browse to our copied certificate file...

Certificate Import Wizard	×
File to Import	
Specify the file you want to import.	
	-
File name:	
Browse	
Note: More than one certificate can be stored in a single file in the following formats:	
Personal Information Exchange- PKCS #12 (.PFX,.P12)	
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)	
Microsoft Serialized Certificate Store (.SST)	
Learn more about <u>certificate file formats</u>	
	_
< Back Next > Cancel	

Importand!! Change to *Personal Information Exchange* otherwise you will not see the file. Select the certificate file that was exported from Skype server, then press Open...

🚡 Open						×
🕞 🗇 📕 🕶 Libraries	• Documents • cert				👻 🏠 Search cert	2
Organize 🔻 New folder) · · · · · · · · · · · · · · · · · · ·
Favorites	Documents library				Arran	ge by: Folder 🔻
Downloads	Name ^	Date modified	Туре	Size		
Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Computer Compu	Hexpresently-hnCert	2015-10-07 11:44	Personal Informatio	4 KB		
File s	anne: filexi-presentity-lyncCert				Personal Infor	nation Exchange

Click Next...

Certificate Import Wizard 🛛 🛛 🗙
File to Import
Specify the file you want to import.
File name:
C:\Users\erik\Documents\cert <mark>\flexi-presentity-lyncCert.pfx</mark> Browse
Note: More than one certificate can be stored in a single file in the following formats:
Personal Information Exchange- PKCS #12 (.PFX,.P12)
Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)
Microsoft Serialized Certificate Store (.SST)
Learn more about <u>certificate file formats</u>
< Back Next > Cancel

35

Enter password that you created when exported the Certificate file, press Next...

)assw	rord
T(o maintain security, the private key was protected with a password.
Т	ype the password for the private key.
	Password:
	••••••••
	Mark this key as exportable. This will allow you to back up or transport your keys at a later time.
	✓ Include all extended properties.
earn	more about <u>protecting private keys</u>

Verify that this import is to Certificate store: Personal, Click Next

ical	te Import Wizard	
rtifi	icate Store	
Ce	ertificate stores are system areas where certificates are kept.	
th	'indows can automatically select a certificate store, or you can specify a location ne certificate.	on for
	O Automatically select the certificate store based on the type of certificate	
	Place all certificates in the following store	
	Certificate store:	
	Personal Browse	э
arn i	more about <u>certificate stores</u>	

Click Next...

Certificate Import Wizard		×
	Completing the Ce Wizard The certificate will be imported a	rtificate Import
	You have specified the following	g settings:
	Certificate Store Selected by l	Jser Personal
	Content	PFX
	File Name	C:\Users\erik\Docume
	•	
	< <u>B</u> ack	Finish Cancel



Verify that now this certificate will appear under Personal-Certificates

🛱 flexi-Presentity.datatal.se Datatal Certification Authority 2017-10-06

Si

Add Certificate on Flexi Skype connector settings

Back to Flexi server and log in to Admital as sysop.

Add additional information on the server, this will specify the certificate that will be used

Information is common name that was entered with the certificate. Remember it's case sensitive.

www.datatal.se	<u>System</u> / Lync in	tegration / Servers	
Index			
Messages	Edit [nf]se	rver	
User	Host:	lync2013 datatal se	7
Call Center	110000		
Company	Port:	5061	
Interception	Uri:	sip:inhouse.datatal.se	
Queue/transfer		5004	
Greetings	ServicePort:	6001	
Menu	GRUU:	sip:flexi-Presentity.datatal.se@datatal.se;gruu;opaque=srv	r:k
Voice mail	Certificate:	CN=flexi-Presentity datatal se	
Schedule	our children		
Entry point	Serial number:		
Statistics			
Statistics Search		Save Cancel Delete App	ly
Statistics Search Time booking		<mark>Save C</mark> ancel Delete App	ly
Statistics Search Time booking System		<mark>Save C</mark> ancel Delete App	ly
Statistics Search Time booking System Admin		Save Cancel Delete App	ly
Statistics Search Time booking System Admin System load		Save Cancel Delete App	ly
Statistics Search Time booking System Admin System load Dynamic fields		Save Cancel Delete App	Iy
Statistics Search Time booking System Admin System load Dynamic fields Calendar integration		Save Cancel Delete App	ly
Statistics Search Time booking System Admin System load Dynamic fields Calendar integration Lync integration		Save Cancel Delete App	ly
Statistics Search Time booking System Admin System load Dynamic fields Calendar integration Lync integration Active connections		Save Cancel Delete App	ly
Statistics Search Time booking System Admin System load Dynamic fields Calendar integration Lync integration Active connections Rules		Save Cancel Delete App	Iy

Goto user and activate Lync integration on user, if another address is users primary email address then the email on user please enter it in address field next to Lync integration

<u>www.datatal.se</u> Index	<u>User</u> / Edit us	er		
Messages	User	User		
User	Logon			
Edit user 🕨	Phone	Last name:	Kalström	
Permissions	Links Voice mail	First name:	Erik	
Save	Image	E-mail:	erik@datatal.se	
Copy hot keys		Extension:	3017	
Call Center		Company:		
Company		Company.		
Interception				
Queue/transfer		Lync integr	ation Address:	

Restart the Lync Connector

💁 Datatal Flexi Lync Connector	Tjänst som	Sta
🖾 Datatal Elexi Maintenance Server	Service so	Sta

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Goto System-Lync integration->Active connection

Dynamic fields Calendar integration Lync integration Active connections •

Rules

Verify that connection is ok, status offline is a valid state. Error could mean that some settings above is incorrect. Verify all steps and all is case sensitive.

<u>www.datatal.se</u>	vw.datatal.se System / Lync integration / Active connections				
Index	· · · · · · · · · · · · · · · · · · ·				
Messages	User	Last update	Status		
nessages	Lars Högberg	57s	Online: Away		
User	Tord Bjuresten	1m 29s	Online: Away		
Call Center	Anders Molinder	1m 41s	Online: Away		
Company	Molle Sidotelefon	1m 41s	Online: Away		
company	Erik Kalström	1m 51s	Online: DoNotDisturb		
Interception	Anders Alyhr	1m 51s	Online: DoNotDisturb		
Queue/transfer	Kim Hermansson	1m 51s	Online: Away		
	Magnus Sidotelefon	1m 52s	Online: Busy		
Greetings	Magnus Bäckström	1m 52s	Online: Busy		
Menu	System Admin	1m 52s	Online: Busy		
Maine mail	Johnny Pettersson	1m 52s	Online: DoNotDisturb		
voice man	Patrik Merk	1m 54s	Online: DoNotDisturb		
Schedule	Thomas Persson	4m 12s	Offline		
Entry point	Robin Ahlgren	55m 13s	Error: 404 Not Found		
	Marielle Cederblad	55m 13s	Error: 404 Not Found		
Statistics	En Administratör	55m 13s	Error: 404 Not Found		
Search	Petra Målberg Svensson	1h 5m 32s	Offline		
T!	Anne-Mari Geitz	1h 5m 32s	Offline		
lime booking	Göran Geitz	1h 5m 32s	Offline		
System					
Admin					
System load					

sida 39

Troubleshooting



On skype server powertshell run

Get-CsTrustedApplication -Identity flexi-Presentity.datatal.se/urn:application:presentity

Verify that all ServiceGruu is included when you copied from console window, could be a wise idea to expand the width of the console windows

	Administrator: Skyne for Business Server Management Shell					
	🙀 🜆 "Skype for Business Server Management Shell" Properties					
	Ļ	Options Font Layout Co	lors			
	Ŗ	Window Preview				
_	H		Width:			
Į	F		Height: 300 🛨			
l	I		Window Size			
L	F		Width: 150 🗧			
	I		Height: 66 📑			
	F		Window Position			

On Flexi server, goto x:\flexi\log\LyncConnector\

Error.log contains error message that LyncConnector have catch. Communication errors with certificates should be logged here, first log fil to check into

AEManager.log contains communication information between SkypeServer and FlexiServer. Second file to look into

Warning.log contains warning messages

HvdClient.log contains message from Diversionamanger

TelephonyClient.log contains communication between LyncConnector and Telephony manager