

Microsoft® Lync[™]Server</mark>2010

Comunicaciones Unificadas

Configuración Mediation Server

Microsoft Most Valuable Professional



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Comunicaciones Unificadas Virtualizadas

Vamos a realizar la preparación del rol Mediation
 Server para realizar la integración con Asterisk 1.8

• Requerimientos:

- Acceso al Frontend de Lync Server 2010 (192.168.50.5)
- ✓ Dirección IP de Asterisk 1.8 (192.168.50.220)

Nota: es el mismo procedimiento para sumar cualquier Gateway IP por ejemplo Audiocodes MP114 o similar.





En el servidor Frontend de Lync abrimos -> Lync Server Topology Builder

🔼 Lync Server Topology Builder

Selecionamos -> Download Topology from ...> Ok

📙 Topology Builder

Welcome to Topology Builder. Select the source of the Lync Server 2010 topology document.

Download Topology from existing deployment

Retrieve a copy of the current topology from the Central Management Store database and save it as a local file. Use this option if you are editing an existing deployment.

Open Topology from a local file

Open an existing Topology Builder file. Use this option if you have work in progress or if you have exported a topology from Planning Tool.

O New Topology

Create a blank topology and save it to a local file. Use this option for defining new deployments from scratch.



х



Seleccionamos el archivo para guardar la topología -> Save

🌄 Save Topology As			×
Librar	ies 🕶 Documents 👻	Search Documents	
Organize 🔻 New folde	er		H - 😧
E 🔶 Favorites	Documents library Includes: 2 locations	Arrange by:	Folder 🔻
Downloads Recent Places	Name ^	Date modified	Туре
Recent Places	Lync-ITSanchez.tbxml	10/02/2012 16:07	TBXML File
 □ □ Libraries □ Documents □ Documents □ Documents □ Pictures □ Videos □ Videos □ □ Computer 			
🕀 📬 Network	▼ <u>4</u>		F
File name:	ync-ITSanchez.tbxml		~
Save as type: T	opology Builder files (*.tbxml)		•
Hide Folders		Save	Cancel



En Mediation pools -> Iyfe01.itsanchez.local -> botón derecho -> Edit Properties...

🔀 Lync Server 2010, Topology Builder			x
File Action View Help			
🗇 🔿 📶 🔽 🗊			
Lync Server 2010	Mediation Server PSTN gateway	Actions	
 It Sanchez It Sanchez Standard Edition Front End Servers Enterprise Edition Front End pools Director pools A/V Conferencing pools SQL stores File stores File stores Mediation pools It Sanchez.local PSTN gateways Monitoring Servers Edge pools Trusted application se Branch sites 	TLS listening port: 5067 TCP listening port: Not configured PSTN Gateways: Default	d Gateway View Popology View Phelp	



Selecionamos -> Enable TCP port -> New...

The 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 Mediati Server.
	Gateway Site
	Add
	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
	Remove



Completamos los datos -> 192.168.50.220 (Asterisk) - TCP 5060 -> Ok

Define New IP/PSTN Gateway		×
Gateway FQDN or IP Address *		
192.168.50.220		
Listening port for IP/PSTN gateway: *		
5060		
Sip Transport Protocol: TCP T T S		
Help	OK Can	cel

Nuevamente -> Ok



Desde el nombre de nuestra organización -> Botón Derecho -> Topology -> Publish...

🔀 Lync Server 2010, Topology Bu	iilder			
File Action View Help				
🗢 🔿 🔰 🖬 🚺				
 Lync Server 2010 ITSanchez St New Er Edit Properties Di Topology A Topology A Delete Fi A Delete Fi Help Iyfe01.itsanchez.local PSTN gateways I92.168.50.220 Monitoring Servers Archiving Servers Edge pools Trusted application servers Branch sites 	Servers pools New Open Download of Save A Cop Publish Install Data Merge 200 Remove De	Mediation Server P TLS listening port: Current Topology py abase 7 or 2007 R2 eployment	STN gateway 5067 5068 Default 1	Gateway 92.168.50.220



Seleccionamos -> Next

Publish Topology

Publish the topology

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.

When you are ready to proceed, click Next.

X

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Seleccionamos -> Finish

Publish Topology

Publishing wizard complete

Your topology was successfully published.

	Step	Status		
\checkmark	Publishing topology	Success		View Logs
\checkmark	Downloading topology	Success	-	
\checkmark	Downloading global simple URL settings.	Success		
\checkmark	Enabling topology	Success		

Next steps:

Click here to open to-do list

In order for Lync Server 2010 to correctly route traffic, your deployment must match the published topology. The linked text file contains a list of any servers that need to be updated, as well as any databases that need to be created.

To close the wizard, click Finish.



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Help





Habilitamos nuestra nueva topología -> Lync Server Management Shell

🐺 Lync Server Management Shell

Habilitamos nuestra nueva topología -> Enable-CsTopology –Verbose

🌆 Administrator: Lync Server Management Shell

PS C:\Users\administrator.ITSANCHEZ> enable-cstopology -verbose UERBOSE: Creating new log file "C:\Users\administrator.ITSANCHEZ\AppData\Local\Temp\enable-cstopology-04f94592 -26d2-4e41-9f8a-d021798d2b62.xml". UERBOSE: Activate new or updated services in the topology. UERBOSE: No changes were made to the Central Management Store. UERBOSE: Creating new log file "C:\Users\administrator.ITSANCHEZ\AppData\Local\Temp\enable-cstopology-04f94592 -26d2-4e41-9f8a-d021798d2b62.html". UERBOSE: "enable-cstopology" processing has completed successfully. UERBOSE: Detailed results can be found at "C:\Users\administrator.ITSANCHEZ\AppData\Local\Temp\enable-cstopology-04f94592 -26d2-4e41-9f8a-d021798d2b62.html". UERBOSE: Detailed results can be found at "C:\Users\administrator.ITSANCHEZ\AppData\Local\Temp\enable-cstopology-04f94592 -26d2-4e41-9f8a-d021798d2b62.html". VERBOSE: Detailed results can be found at

Ejecutamos-> services.msc -> reiniciamos -> Lync Server Mediation

Lync Server Mediation Lync Serve... Started Automatic Network S...



Realizamos los siguientes comandos -> cd /usr/asterisk

mv sip.conf sip.conf.old

[root@CentOS ~] # cd /etc/asterisk/ [root@CentOS asterisk] # mv sip.conf sip.conf.old [root@CentOS asterisk]#

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vi sip.conf Presionamos [i]

-- INSERT -

En modo – INSERT – podemos copiar las líneas de la siguiente pantalla



Agregamos las siguientes líneas

[general] context=default allowoverlap=no udpbindaddr=0.0.0.0 port=5060 bindport=5060 bindaddr=0.0.0.0 tcpenable=yes srvlookup=yes notifyhold = yes disallow=all allow=alaw allaw=ulaw [Trama_Lync] type = friendport = 5068 canreinvite=no host = 192.168.50.5 dtmfmode=RFC2833 context=from-lync disallow=all allow=alaw allow=ulaw qualify = yes transport = tcp,udp

; Contexto Predeterminado

; Contexto Lync Server 2010



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Para guardar -> [ESC] :wq

[general]

context=default
allowoverlap=no
udpbindaddr=0.0.0.0
port=5060
bindport=5060
bindaddr=0.0.0.0
tcpenable=yes
srvlookup=yes
notifyhold = yes
disallow=all
allow=alaw
allaw=ulaw

[Trama_Lync] type = friend port = 5068 canreinvite=no host = 192.168.50.5 dtmfmode=RFC2833 context=from-lync disallow=all allow=alaw allow=ulaw qualify = yes transport = tcp,udp

:wq

; Contexto Predeterminado

; Contexto Lync Server 2010



Reiniciamos el servicio de Asterisk -> service asterisk restart

root@CentOS asteriskj# service asterisk restart		
topping safe_asterisk: [OF	[]
hutting down asterisk:	OF	[]
tarting asterisk:		
root@CentOS_asteriskl#		

Entramos a asterisk -> asterisk -r



Ejecutamos-> sip show peers



Ejecutamos-> sip show peers



Con esta prueba validamos que Lync y Asterisk, finalizadas estas tareas es fundamental armar reglas de marcado en ambos entornos.