

Microsoft® Lync[™]Server</mark>2010

Comunicaciones Unificadas

Integración Asterisk 1.8

Microsoft Most Valuable Professional



ompartiendo Experiencia Windows, Linux y mas...



Comunicaciones Unificadas Virtualizadas

- Se realizara la integración entre Lync Server 2010 y Asterisk 1.8 para poder realizar y recibir llamadas.
- Requerimientos:
 - Lync Server Frontend con Mediation Server Configurado
 - Asterisk 1.8 con sip.conf configurado

La configuración necesaria se encuentra se pueden consultar en <u>http://bit.ly/wKNtsj</u>

Objetivo: Vamos a configurar internos de 4 dígitos para Lync y Asterisk

- > 1000 / 1999 (Lync)
- 2000 / 2999 (Asterisk)





Configuramos la trama para Lync -> Lync Server Control Panel

Lync Server Control Panel

Validamos nuestra cuenta

| Windows Securit | Y | × |
|------------------|------------------------|---|
| Connecting to LY | /FE01.itsanchez.local. | _ |
| | administrator | |
| | OK Cancel | |



Seleccionamos -> Voice Routing -> Trunk Configuration

| X | Microsoft ^e | | | | | | | | | | A | dministrator S | ign out |
|----|------------------------|-----------|------------------|-----------------|------------|------------|-----------|---------------|--------|-------|---|------------------|----------|
| æ. | Lyric Scrver 2010 | | | | | | | | | | | 4.(| 0.7577.0 |
| | Home | Dial Plan | Voice Policy | Route | PSTN Usage | Trunk Conf | iguration | Test Voice Ro | outing | | | | |
| 33 | Users | Create v | oice routing tes | t case infor | rmation | | | | | | | | * |
| X | Topology | | | | | | | | | | | | |
| Ģ | IM and Presence | | | | | | | م | | | | | |
| Q | Voice Routing | A New | 🔹 🧪 Edit 💌 | Action • | Commit T | , | | | | | | | 0 |
| S | Voice Features | Name | 6 | | Scope | State | Normaliz | ation rules | Descri | ption | | | |
| 22 | Response Groups | e 🕀 G | lobal | | Global | Committed | 1 | | | | | | |
| Eb | Cartanaira | | | | | | | | | | | | |

Seleccionamos -> Global -> Edit -> Show details...

| | Ø | | | |
|---------|-------------|------|-------|--------|
| P New | 🖉 Edit 🔻 | Acti | ion 🔻 | Commit |
| Name | Show detail | s | - | Scope |
| 💮 Globa | Select all | | | Global |
| | Delete | | | |
| | | _ | | |



Realizamos el siguiente ajuste -> Ok

| OK 🗙 Cancel | | | | 0 |
|------------------------------|------------|------------------|---------------------|----------|
| Scope: Global | | | | ^ |
| Name: | | | | |
| Global | | | | |
| Maximum early dialogs suppor | ted: | | | |
| 20 | | | | |
| | | | | |
| Encryption support level: | | | | |
| Not supported | | Ŧ | | |
| Enable media bypass | | | | |
| ✓ Centralized media processi | ng | | | |
| Enable refer support | | | | |
| Associated Translation Rules | | | | _ |
| 🕂 New 🖹 Copy 📋 Past | e 🎦 Select | Show details Re | move 👚 🐥 | |
| Translation rule | State | Pattern to match | Translation pattern | |
| | | | | |



Aplicamos el cambio -> Commit -> Commit all

| Create voice routing test case infor | mation | | * |
|--------------------------------------|--------------------------------|------------------|---|
| | | | |
| | | <u>م</u> | |
| 🕂 New 🔻 🧪 Edit 🔻 Action 🔻 | Commit 🔻 | | (|
| Name | Review uncommitted changes | lia bypass Rules | |
| 💮 Global | Commit all | 0 | |
| | Cancel selected changes | | |
| | Cancel all uncommitted changes | | |
| | | | |
| | | | |
| | | | |



Confirmamos el cambio -> Commit

| Unco | mmitted Voice Configuratio | n Setting: | 5 | | | 0 | × |
|------|----------------------------|------------|---------------------------|---------------------------|--------|-------|-----------|
| Т | runks | | | | | * | |
| | Identity | Action | New value (enable bypass) | Old value (enable bypass) | | | |
| | Global | Modified | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | L | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | Commit | Cance | <u>el</u> |
| | | | and the second of | | | | |



Confirmamos que el cambio fue exitoso -> Close

| Microsoft Lync Server 2010 Control Panel | 0 | × |
|---|-------|---|
| Successfully published voice routing configuration. | | |
| | | |
| | | |
| | | |
| | | |
| | Close | |

Seleccionamos -> Voice Routing -> Dial Plan -> Global -> Show details...

Lync⁻Server</mark>2010 Voice Policy Route PSTN Usage Trunk Configuration Test Voice Routing Dial Plan 合 Home Create voice routing test case information 22 Users TXT. Topology Q IM and Presence ₽ Voice Routing 🖉 Edit 🔻 🛛 Action 🔻 🕈 New 🔻 Commit **T** Voice Features Name State Normalization rules Description Scope Show details... **A** 🕀 Globa Select all Global Committed 1 22 Response Groups Delete Conferencing Ð P Clients



Ponemos un nombre -> Remove (eliminamos la configuración predeterminada)

| Simple name:* | | |
|--|---|--|
| ITSanchez | | |
| Description: | | |
| • | | |
| Dial-in conferencing region: | | |
| | ? | |
| External access prefix: | | |
| External access prenx. | ? | |
| | | |
| | | |
| Associated Normalization Rules | | |
| Associated Normalization Rules New Copy Paste | Select 🧷 Show details Remove 🏠 🦊 | |
| Associated Normalization Rules New Copy Paste Normalization rule | Select Show details Remove Image: Constraint of the second | |
| Associated Normalization Rules New Copy Paste Normalization rule Prefix All | Select Show details Remove Image: Committee State Pattern to match Translation pattern Committee ^(\d{11})\$ +\$1 | |
| Associated Normalization Rules New Copy Paste Normalization rule Prefix All | Select Show details Remove State Pattern to match Translation pattern Committed ^(\d{11})\$ +\$1 | |



Seleccionamos -> + New

| Simple name:* | | | | |
|-------------------------------|-----------------|------------------|---------------------|-------|
| ITSanchez | | | | |
| Description: | | | | |
| | | | | |
| Dial-in conferencing region: | | | | |
| | | ? | | |
| External access prefix: | | | | |
| | | ? | | |
| Associated Normalization Rule | s | | | _ |
| Past | e 🔚 Select 🦯 Sl | how details Remo | ve 👚 🦊 | |
| Normalization rule | State | Pattern to match | Translation pattern | |
| 1 | | | | |
| | | | | |



Seleccionamos un nombre -> configuramos como se muestra en la pantalla y nos desplazamos hacia abajo (le regla disca todo los números que empiezan con 2 y tiene 4 dígitos (internos de Asterisk))

| OK X Cancel | (|
|--|---|
| Name:* |] |
| nternos Asterisk | |
| escription: | |
| | |
| | |
| Ruild a Normalization Rule | |
| Build a Normalization Rule | |
| Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit. | |
| - Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit. Starting digits: | |
| - Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit. Starting digits: 2 | |
| Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit. Starting digits: 2 | |
| Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit. Starting digits: 2 Length: | |
| Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit. Starting digits: 2 Length: Exactly 4 | |
| Build a Normalization Rule Fill in the fields that you want to use, or create the rule manually by clicking Edit. Starting digits: 2 Length: Exactly 4 | |



Ajustamos los datos -> Ok

| Edit Dial Blan & New Normalization Bula | |
|---|---|
| | - |
| V OK Cancel | |
| Length: | - |
| Exactly V 4 | |
| Digits to remove: | |
| | |
| | |
| Digits to add: | |
| | |
| Pattern to match * | |
| | |
| ^(2\0{3})\$ | |
| Translation rule:* | |
| \$1 | |
| | |
| Edit Reset ? | |
| | |
| Internal extension (?) | |
| Dialed number to test | - |
| | |



Confirmamos -> Ok

| Edit Dial Plan - Global | | | | |
|--------------------------------|----------------|------------------|---------------------|----------|
| J OK 🗙 Cancel | | | | 0 |
| Simple name:* | | | | ^ |
| ITSanchez | | | | |
| Description: | | | | |
| | | | | |
| Dial-in conferencing region: | | | | |
| | | ? | | |
| | | | | |
| External access prefix: | | | | |
| | | · | | |
| Associated Normalization Rules | | | | |
| 🕈 New 🖹 Copy 📋 Paste 😁 S | elect 🧪 Show d | etailsRemove 🧌 | • | |
| Normalization rule | State | Pattern to match | Translation pattern | |
| Internos Asterisk | 1 Uncommitted | ^(2\d{3})\$ | \$1 | |
| | | | | |
| | | | | |
| | - | | | |





Lync muestra los cambios -> Commit

| ommitted Voice Configura | tion Setting | S | | | (|
|--------------------------|--------------|------------------------------|------------------------------|--------|---|
| Dial plan | | | | * | |
| | | | | | |
| Identity | Action | New value (description) | Old value (description) | | |
| Global | Modified | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Normalization rule | | | | * | |
| | | | | | |
| Identity | Action | New value (pattern to match) | Old value (pattern to match) | | |
| Global/Internos Asterisk | Added | ^(2\d{3})\$ | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | Con | nmit (| C |
| | | | | | |



Los cambios fueron realizados -> Close

| Microsoft Lync Server 2010 Control Panel | 0 | > |
|---|-------|---|
| Successfully published voice routing configuration. | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | Close | |

Desde Lync Server Control Panel -> Configuramos el interno 1001 para una cuenta de Lync, es importante tener en cuenta que la cuenta tiene que estar configurada con Enterprise Voice -> Commit

| <u>Edit Lync Ser</u> ver Use | r - Guillermo Sa | nchez | | |
|------------------------------|------------------|------------------|---|------|
| 🔚 Commit 🔀 Cane | cel | | | |
| sip:gsanchez | @ | itsanchez.com.ar | • | |
| Registrar pool: | | | | |
| lyfe01.itsanchez. | local | | | ? |
| Telephony: | | | | |
| Enterprise Voice | 2 | | • | ? |
| Line URI: | | | | |
| tel:+1001 | | | | ? |
| Dial plan po | licy: | | | |
| < Automatic | > | | • | View |



En Voice Routing -> Route -> Click en LocalRoute -> Edit -> Delete

| | Home | Dial Plan | Voice Policy | Route | PSTN Usage | Trunk Configuration | Test Voice Routing |
|-------|------------------------|-----------|----------------|--------------|------------------|---------------------|--------------------|
| 33 | Users | Create v | oice routing t | est case inf | ormation | | |
| × | Topology | | | | | | |
| Ģ | IM and Presence | | | | | | Q |
| 3 | Voice Routing | ♣ New | 🧷 Edit 🔻 | 1 Move u | ip 🔸 Move de | own Action 🔻 Co | ommit 💌 |
| S | Voice Features | Nam | Сору | | State | PSTN usage | Pattern to match |
| 23 | Response Groups | Local | Paste | | Committed | | \(\+1[0-9]{10})\$ |
| Ð | Conferencing | | Show detail | s | | | |
| ē | Clients | | Select all | | | | |
| E | External User | | Delete | | | | |
| Selec | ionamos -> + New | | | | | | |
| 4 | New 🖉 Edit 🔻 👚 Move up | Hove do | wn Action | Commit | • | | 0 |
| | Name | State | PSTN | usage P | attern to match | | |
| | LocalRoute | 🗼 Uncomn | nitted | ^ | (\+1[0-9]{10})\$ | | |
| | | | | | | | |



Seleccionamos un nombre -> Asterisk (nos desplazamos mas abajo)

| New Voice Route | | | |
|--|-----------|---|---|
| √ OK X Cancel | | | 0 |
| Name:* | | | - |
| Asterisk | | | |
| Description: | | | |
| | | | |
| Ruild a Dattorp to Match | | | |
| Add the starting digits that you want this route to handle, or creat | e | | |
| the expression manually by clicking Edit. | - | | |
| Starting digits for numbers that you want to allow: | | | |
| Type a valid number and then click Add. | Add | | |
| | Eventions | | |
| | Remove | | |
| | | | |
| | | | |
| | | | |
| Match this pattern:* | | | + |
| | | 1 | |



En Associated gateways -> Add..

| ew Voice Route | | | |
|---|---------------------------|---------------|--|
| OK 🗙 Cancel | | | |
| Edit Reset ? | | | |
| Suppress caller ID | | | |
| Alternate caller ID: | | | |
| | | | |
| Associated gateways: Associated PSTN Usages | | Add Remove | |
| Select Remove 👚 | Ŷ | | |
| PSTN usage record | Associated voice policies | | |
| | | | |
| | | | |



Seleccionamos la central -> Ok

| elect Gateway | | 0 × |
|----------------------------|-----------|-----------|
| | | ٩ |
| Service | Site | |
| PstnGateway:192.168.50.220 | ITSanchez | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | OK Cancel |
| | | OK Cancel |



Seleccionamos -> Ok

| New Voice Route | | | |
|-----------------|-------|--|--|
| √ ок 🛛 🗙 Са | ncel | | |
| Edit | Reset | | |

Seleccionamos -> Commit -> Commit All

| 🕈 New 🧪 Edit 🔻 🤺 | Move up 🕹 Move down Acti | tion T Commit T |
|------------------|--------------------------|-------------------------------------|
| Name | State P | PSTN usa Review uncommitted changes |
| LocalRoute | 🛃 Uncommitted | Commit all |
| Asterisk | 뛸 Uncommitted | Cancel selected changes |
| | | Cancel all uncommitted changes |



Seleccionamos -> Commit

| Uncommitted Voice | Configuration Setting | 5 | | 😧 🗙 |
|------------------------|---|---------------------------------|------------------------------|------------|
| Routes | | | | * |
| | | | | |
| Identity | Action | New value (pattern to match) | Old value (pattern to match) | |
| | Deleted | * *(/+1[0-3](10])\$ | (/+T[0-3](T0])\$ | |
| | | | | |
| 7 | | | | |
| | | | Com | mit Cancel |
| Seleccionamos -> Close | | | | |
| | Microsoft Lync Serve | er 2010 Control Panel | 0 × | |
| | O Successfully public statements of the second statement of the second stat | ished voice routing configurati | ion. | |
| | | | | |





Ingresamos por SSH a Asterisk -> ejecutamos cd /etc/asterisk vi sip.conf Presionamos [i] en modo – INSERT – (copiamos las siguientes líneas)

| [2001] | |
|--------------------------------|---------------------|
| type = friend | |
| callerid = Interno Asterisk [2 | 2001] ; Caller ID |
| secret = 2001 | ; Password |
| host = dynamic | |
| context=from-asterisk | ; Contexto Asterisk |
| canreinvite = no | |
| nat=yes | |
| dtmfmode = rfc2833 | |
| mailbox = 2001 | |
| qualify = yes | |
| disallow = all | |
| allow = alaw | |
| transport = udp | |



Presionamos -> [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

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

[2001]

type = friend callerid = Interno Asterisk [2001] ; Caller ID secret = 2001 ; Password host = dynamic context=from-asterisk ; Contexto Asterisk canreinvite = no nat=yes :wg

; Contexto Predeterminado

; Contexto Lync Server 2010





Ejecutamos -> mv extensions.conf extensions.conf.old

[root@CentOS asterisk]# mv extensions.conf extensions.conf.old [root@CentOS asterisk]#

mpartiendo Experiencia

vi extensions.conf Presionamos [I] – Modo – INSERT – y copiamos las siguientes lineas [general] static=yes writeprotect=no

[globals] [default] [from-lync] ; Contexto Lync 2010 ;Salida internos con comienzan con 2 y tenga 4 digitos - Asterisk

```
exten => _2XXX,1,Answer()
exten => _2XXX,n,Dial(SIP/${EXTEN},20,tr)
exten => _2XXX,n,Busy
```



[from-asterisk] ; Contexto Asterisk 1.8
; Llamadas a Internos de Lync que empiecen con 1
exten => _1XXX,1,Set(EXT=+\${EXTEN})
exten => _1XXX,1,Answer()
exten => _1XXX,n,Dial(SIP/Trama_Lync/\${EXT},20,tr)
exten => _1XXX,n,Busy

```
; Interno 2001
exten => 2001,1,Answer()
exten => 2001,n,Dial(SIP/2001,20,tr)
exten => 2001,n,Hangup
```



Presionamos -> [ESC], wq! (para guardar el archivo)

```
[general]
static=yes
writeprotect=no
[globals]
[default]
[from-lync] ; Contexto Lync 2010
;Salida internos con comienzan con 2 y tenga 4 digitos - Asterisk
exten => 2XXX,1,Answer()
exten => 2XXX,n,Dial(SIP/${EXTEN},20,tr)
exten => 2XXX, n, Busy
[from-asterisk] ; Contexto Asterisk 1.8
; Llamadas a Internos de Lync que empiecen con 1
exten => 1XXX,1,Set(EXT=+${EXTEN})
exten => 1XXX,1,Answer()
exten => _1XXX,n,Dial(SIP/Trama_Lync/${EXT},20,tr)
exten => 1XXX, n, Busy
; Interno 2001
exten => 2001,1,Answer()
exten => 2001, n, Dial(SIP/2001, 20, tr)
exten => 2001, n, Hangup
```

:qw!





Reiniciamos asterisk con el comando -> service asterisk restart

| [root@CentOS asterisk]# service asterisk restart | | | | |
|--|---|----|---|--|
| Stopping safe_asterisk: | [| OK |] | |
| Shutting down asterisk: | [| OK |] | |
| Starting asterisk: | | | | |
| [root@Cent0S asterisk]# | | | | |

Para realizar la prueba voy a utilizar un SoftPhone X-Lite para el interno Asterisk con la siguiente configuración el password es 2001 el interno lo configuramos antes en sip.conf

| Properties of Account1 | | | | | |
|------------------------|---------------------------|-------------------|----|--|--|
| A | ccount Voicemail Topology | Presence Advanced | | | |
| | User Details | · · · | | | |
| | Display Name | 2001 | | | |
| | User name | 2001 | | | |
| | Password | •••• | | | |
| | Authorization user name | 2001 | 12 | | |
| | Domain | 192.168.50.220 | | | |



Para lync utilizamos un cliente nativo con la configuracion del interno como se muestra en la siguiente imagen usuario <u>gsanchez@itsanchez.com.ar</u>

interno 1001

| Edit Lync Server User - Guillermo Sa | nchez | | | | | | | | |
|--------------------------------------|--------------------|--|--|--|--|--|--|--|--|
| 🔚 Commit 🇙 Cancel | | | | | | | | | |
| Display name: | | | | | | | | | |
| Guillermo Sanchez | | | | | | | | | |
| ✓ Enabled for Lync Server | | | | | | | | | |
| SIP address:* | | | | | | | | | |
| sip:gsanchez @ | itsanchez.com.ar 🔻 | | | | | | | | |
| Registrar pool: | | | | | | | | | |
| lyfe01.itsanchez.local | ? | | | | | | | | |
| Telephony: | | | | | | | | | |
| Enterprise Voice | ▼ ? | | | | | | | | |
| Line URI: | | | | | | | | | |
| tel:+1001 | ? | | | | | | | | |
| Dial plan policy: | | | | | | | | | |
| <automatic></automatic> | View | | | | | | | | |
| Voice policy: | | | | | | | | | |
| <automatic></automatic> | View | | | | | | | | |
| | | | | | | | | | |

Vemos como se ven los clientes a utilizar en la prueba



Cliente Asterisk [2001]

| 🚺 Micros | soft Lync | | | | | | | | |
|--|---------------|---------------|---------------|-------------|--|--|--|--|--|
| ¿Qué oci | urre? | | | | | | | | |
| Guillermo Sanchez (2) + Disponible + Establecer la ubicación + | | | | | | | | | |
| 2 | 1 | | 7 | 11 , | | | | | |
| Busqu | e un contacto | o marque un | número | | | | | | |
| | 1 | 2 ABC | 3 DEF | | | | | | |
| | 4 GHI | 5 JKL | 6 MNO | | | | | | |
| | 7 PQRS | 8 TUV | 9 wxyz | | | | | | |
| | * | 0 + | # | | | | | | |
| | MARCAR | 📞 u | AMAR | | | | | | |
| | | l 😪 Com | nprobar | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Q • 6 | 👌 👻 El desvío | de llamadas e | stá desactiva | do 🔂 🗸 | | | | | |
| Cliente Lync [1001] | | | | | | | | | |
| CILE | ILC LY | | | | | | | | |

hez.com.ar

Compartiendo Experiencia Windows, Linux y mas...



Desde el cliente Asterisk interno 2001 llamamos al interno 1001 [gsanchez@itsanchez.com.ar en lync]





Desde el cliente de Lync gsanhez@itsanchez.com.ar interno 1001 llamamos al interno 2001 en Astersik

| File Ne 2001 2001 | LOX | soft Lync urre? Guillermo | Sanchez | | × |
|---|---------|--|---|--|---------|
| MI Vídeo * ack = C Incoming call on tine 1: Guillermo Sa Guillermo Sanchez + 1001 - S - C Incoming call on tine 1: Guillermo Sa Guillermo Sanchez + 1001 - Spain - Ex - Ex - Ex - Ex - Ex | 0:02 () | Al teléfond Establecer Le un contacto 1 4 GHI 7 PQRS * MARCAR | la ubicación • o marque un r 2 ABC 5 JKL 8 TUV 0 + | Ciumero 3 DEF 6 MNO 9 WXYZ # AMAR | |
| Ex == Usin =- Usin SI SI CentOS*CL Connected tx PDE Microsoft_P | PENCE | III PIN | I Com | probar | |
| 1 0000032B1 | | 🦽 ≠ El desvío | de llamadas es | stá desactiva | ido 🔂 - |





Por ultimo vemos el log generado en Asterisk de la llamada desde Asterisk a Lync y viceversa

Llamada interno 2001 a 1001 [Asterisk – Lync]

- -- Executing [1001@from-asterisk:3] Busy ("SIP/2001-00000000", "") in new stack
- == Spawn extension (from-asterisk, 1001, 3) exited non-zero on 'SIP/2001-00000000'
- == Using UDPTL CoS mark 5
- == Using SIP RTP CoS mark 5
 - -- Executing [1001@from-asterisk:1] Set("SIP/2001-00000002", "EXT=+1001") in new stack
 - -- Executing [1001@from-asterisk:2] Dial("SIP/2001-00000002", "SIP/Trama Lync/+1001,20,tr") in new st

ack

Llamada de interno 1001 a 2001 [Lync – Asterisk]

- -- Executing [2001@from-lync:1] Answer("SIP/Trama Lync-00000004", "") in new stack
- -- Executing [2001@from-lync:2] Dial("SIP/Trama Lync-00000004", "SIP/2001,20,tr") in new stack
- == Using UDPTL CoS mark 5
- == Using SIP RTP CoS mark 5
 - -- Called SIP/2001
 - -- SIP/2001-00000005 is ringing
 - -- SIP/2001-00000005 is ringing
 - -- SIP/2001-00000005 answered SIP/Trama_Lync-00000004
- == Spawn extension (from-lync, 2001, 2) exited non-zero on 'SIP/Trama_Lync-00000004'

El resto queda libre a su imaginación, saludos!