ROBIN

Tech Note

Version: 1.0.3 ENG
Datum: 7-06-2018

**How-To:
Connect the Robin to MS Lync**

About this Tech Note

This Tech Note is meant for the following Robin products::

*   C03060 - C03067 : Proline SIP
*   C03050 - C03058 : Proline SV
*   C03071 - C03074 : Proline Classic SV
*   C01060 - C01068 : Compact SIP
*   C02050 - C02058 : Compact SV

Software release 3.5.1 and higher

MS Lync / Skype for Business

The Robin SmartView (SV) and Robin SIP can be used in a MS Lync / Skype for Business environment.

This Tech Note describes the configuration of the Robin to function with MS Lync and contains limited descriptions of two MS Lync configurations.

Limitations of the Robin when used with MS Lync

The following limitations apply when the Robin is connected to an MS Lync environment:
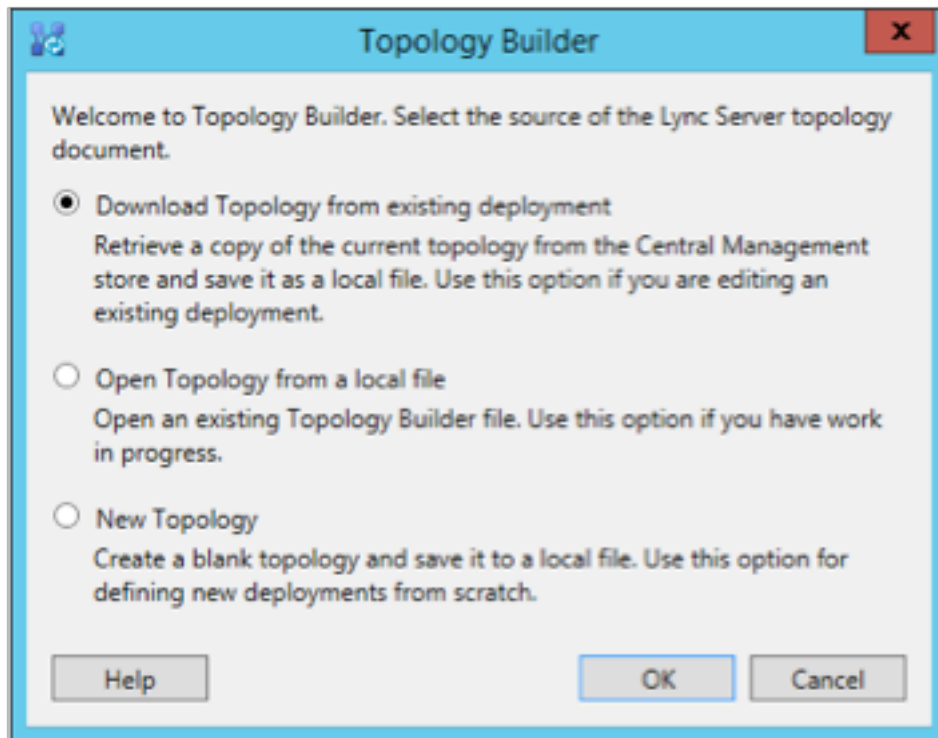
- The Robin has to be connected to MS Lync via a Trunk connection. It can not be connected as a regular MS Lync certified phone
- When a Robin SV (with camera) is used, video will not be displayed on a H.264 video compatible phone connected to the MS Lync server. The video will be accessible through a compatible web browser or a Video Management System.
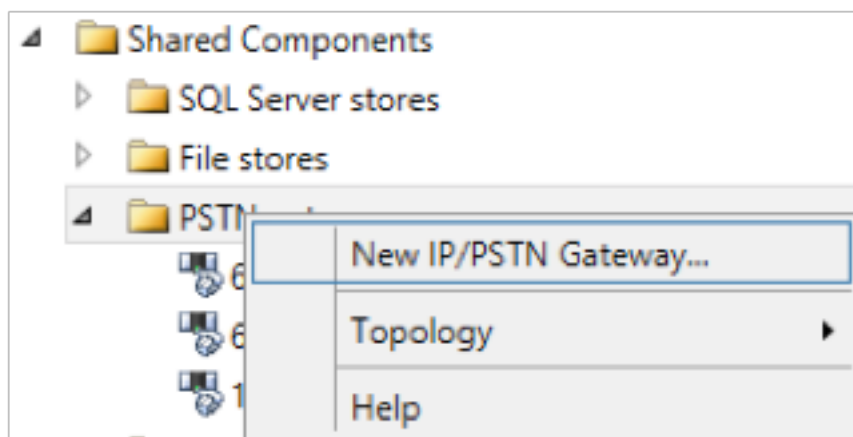
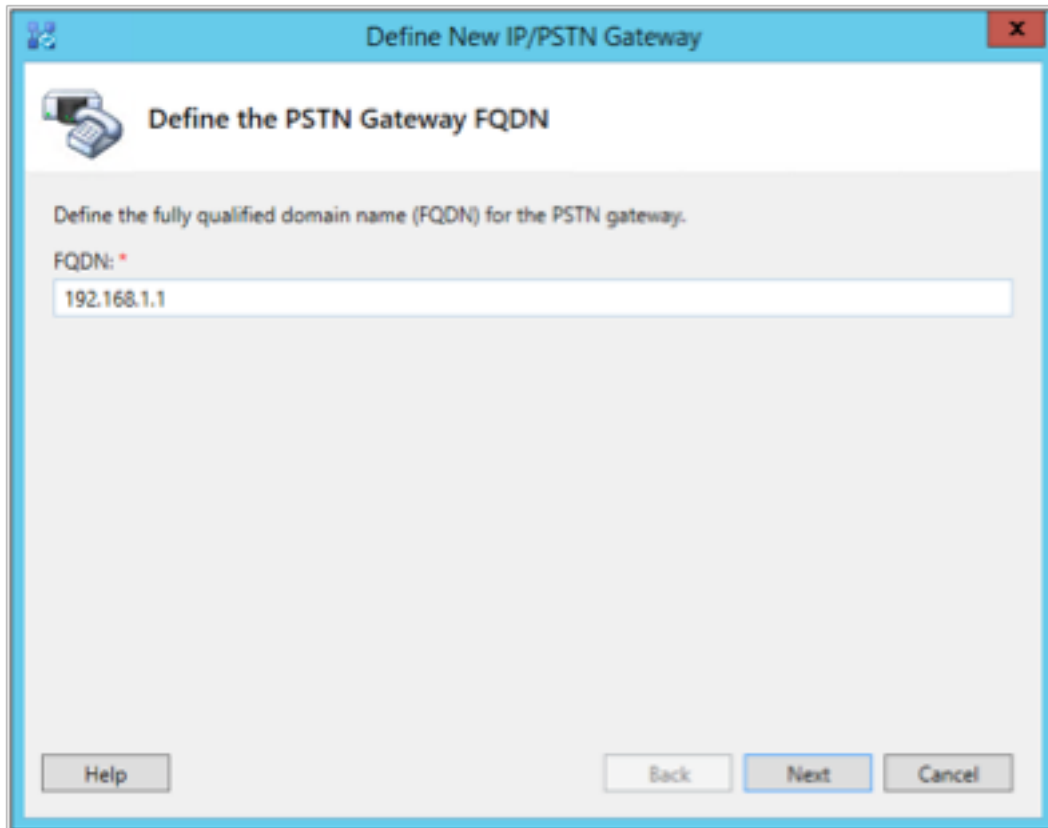# Configuration 1 - Basic Lync setup

Lync configuration

Lync Topology
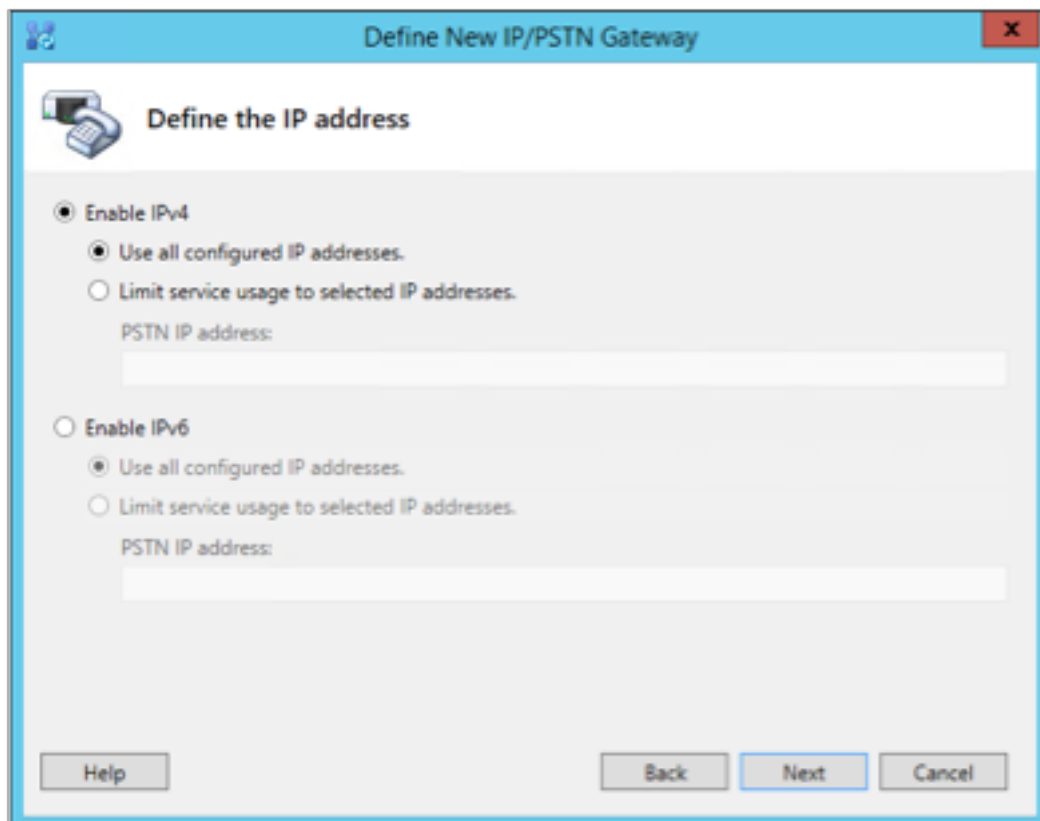1. Open the Topology Builder and select 'Download Topology from existing deployment'. Save this file.

2. In the Topology builder, unfold 'Shared Components' right-click on 'PSTN gateways', select: 'New IP/PSTN gateway'.
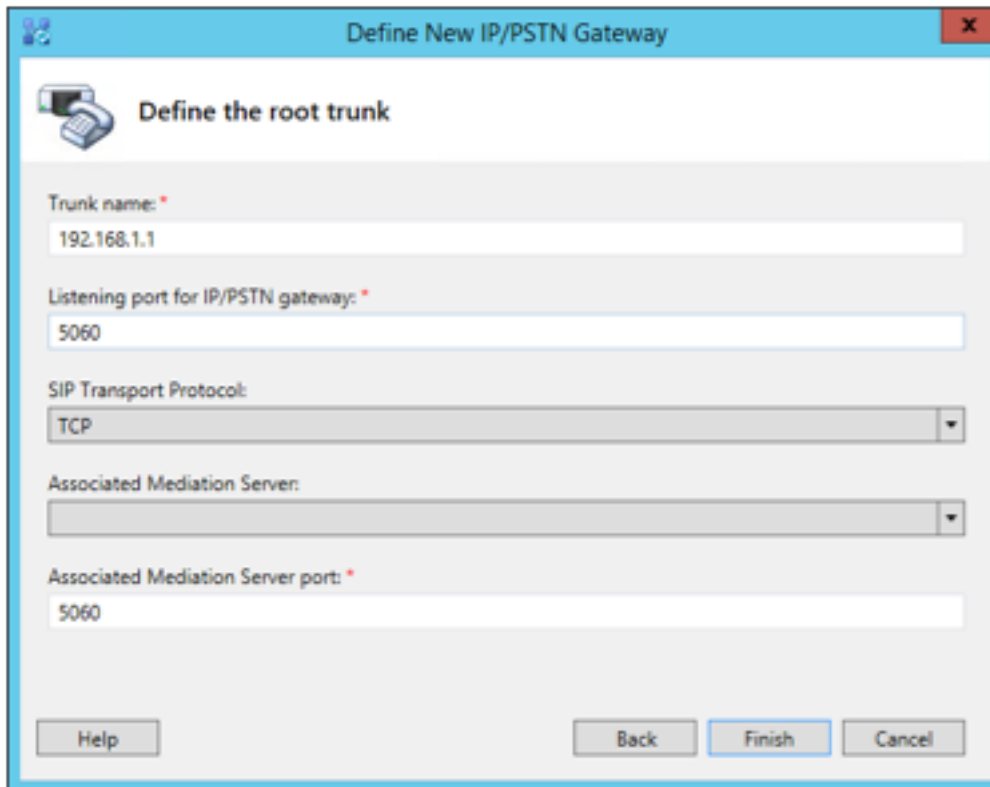
3. In the next screen, stick to the default settings and klick on 'Next'.

4. In the next screen, use the following settings:
• Trunckname: IP address of the Robin
• Listening port for the IP/PSTN gateway: 5060
• Sip Transport Protocol: TCP
• Associated Mediation server: Mediation server/pool (When using co-located mediation services, choose the front-end server/pool)
• Associated Mediation Server port: 5060
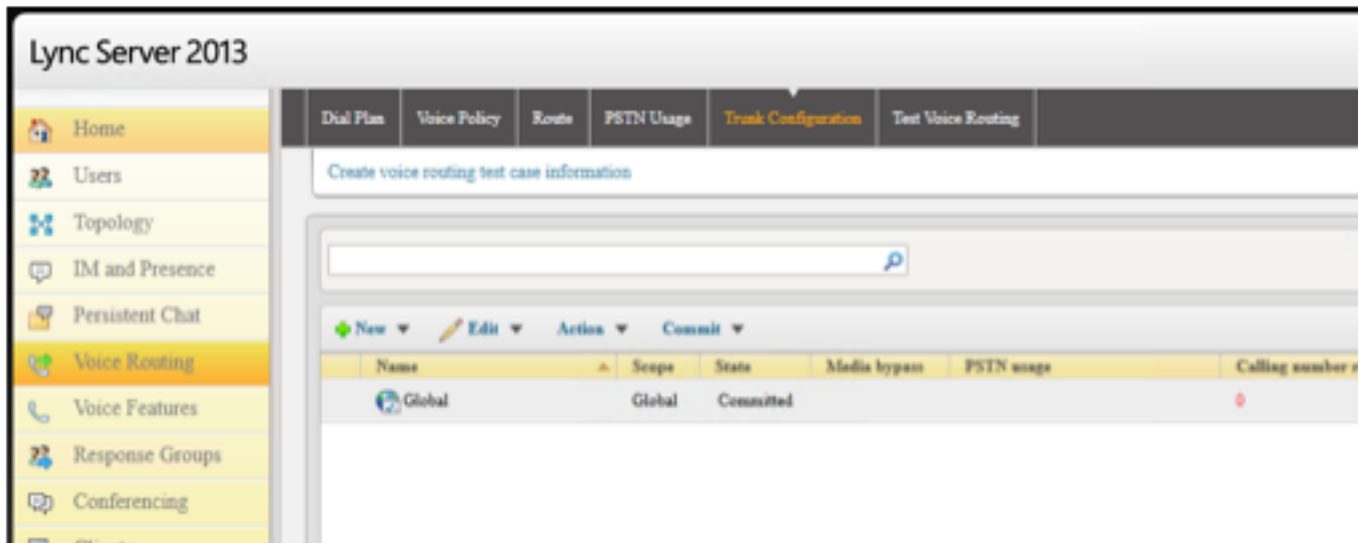

5. Click 'Finish'. The config is stored in the topology, next: publish the Topology.

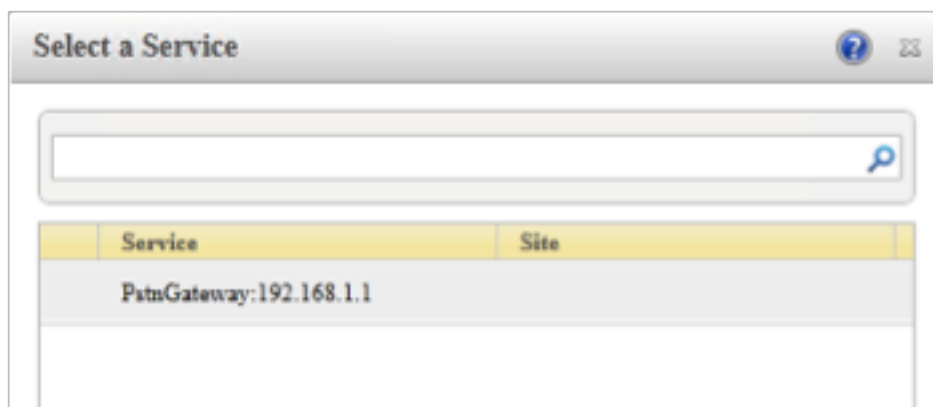**Lync Control Panel**

1. Open the Lync server Control Panel on a Front-End and go to 'Voice Routing - Trunk Configuration'

2. Click on 'New' and create a 'Pool Trunk'

3. In the next screen, select the newly created PSTN-Gateway

4. Configure the following trunk options:
- Encryption Support Level: Not supported
- Refer Support: None
- Leave the other options on default

New Trunk Configuration - PstnGateway:192.168.1.1

✔ OK   ✘ Cancel

Scope: Pool
Name: *

PstnGateway:192.168.1.1

Description:

Maximum early dialogs supported:

20

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

5. Create the following 'Calling number translation rule':

Associated translation rules

Calling number translation rules

➕ New   📋 Copy   📋 Paste   ⬆ Select...   ✏ Show details...   Remove   ⬆   ⬇

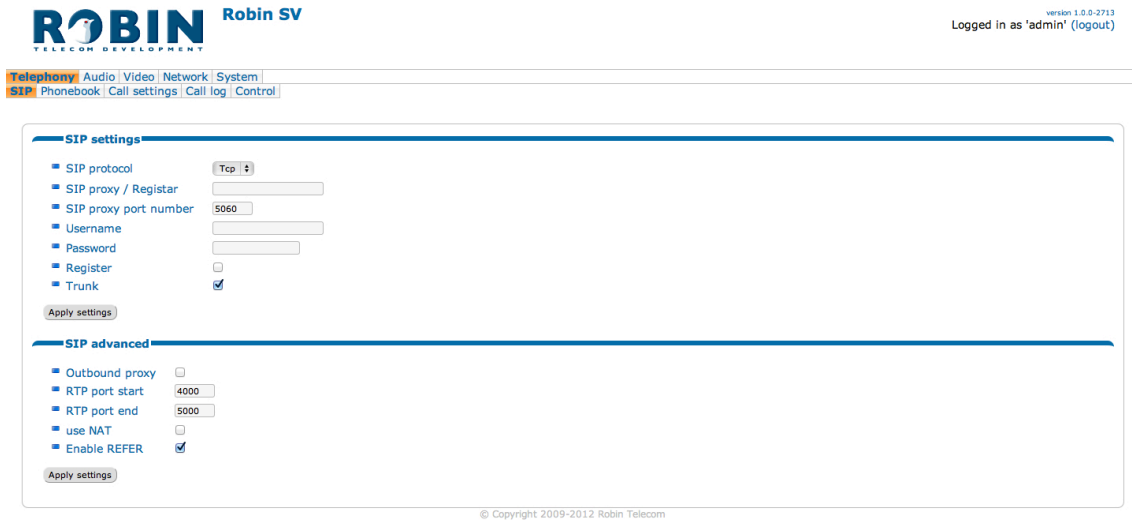| Translation rule	State	Pattern to match	Translation pattern
Binnenkomend	Committed	^00(\d{17}\d+)$	+31$1

6. Commit the trunk configuration

! Note – The Lync event log will display gateway down entries. These can be ignored. (The Robin Intercom won't answer to messages from Lync).
Open the Topology Builder and choose 'Download Topology from existing deployment'. Store this file. !

ROBIN
TELECOM DEVELOPMENT

Configuration of the Robin

1. Log into the Robin and access the page -Telephony-SIP-
2. Change the SIP protocol from 'UDP' to TCP

3. Enable 'Trunk'

4. At 'SIP proxy / Registrar', fill in the IP address of the MS Lync server
5. At 'Username'. fill in the username associated with the Trunk / Robin
6. A password is usually not necessary

The connection between the Robin and MS Lync is now established. Continue the configuration of the Robin as described in the manual that came with the Robin.

Configuration 2 - Advanced Lync setup

When a separate Mediation Server is used, some extra configuration on both the Lync environment and the Robin is necessary.
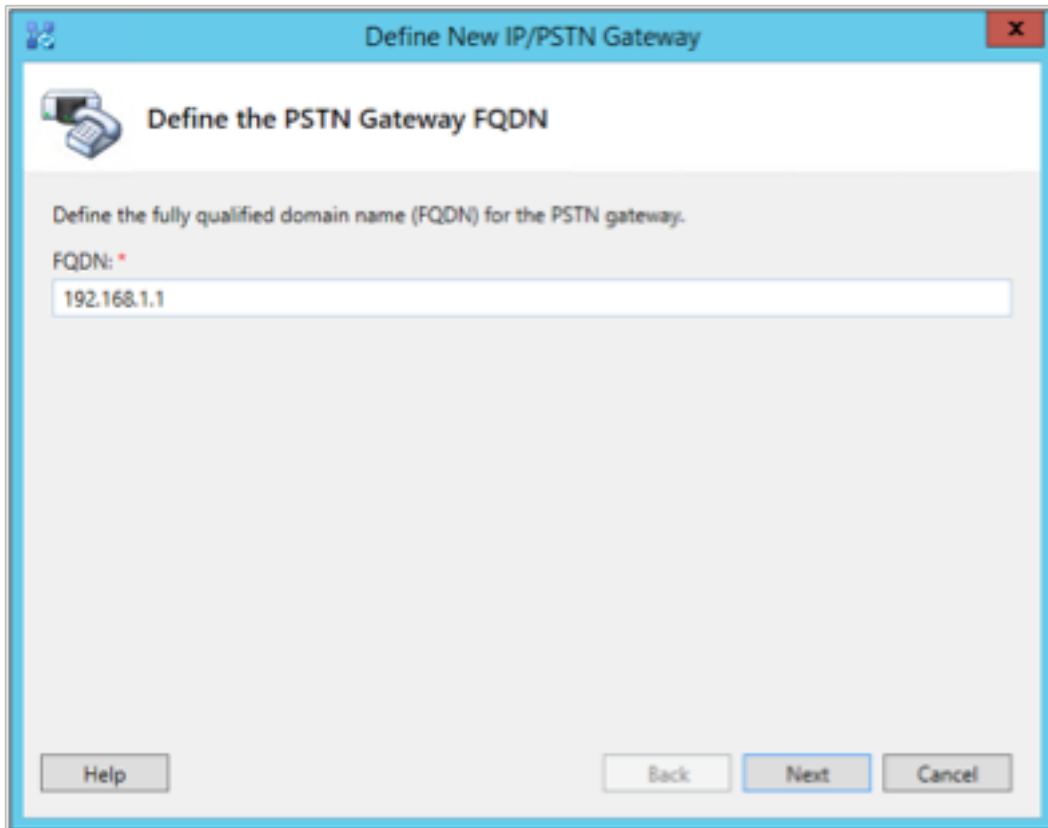
Lync configuration

7. Open the Topology Builder and select 'Download Topology from existing deployment'. Save this file.
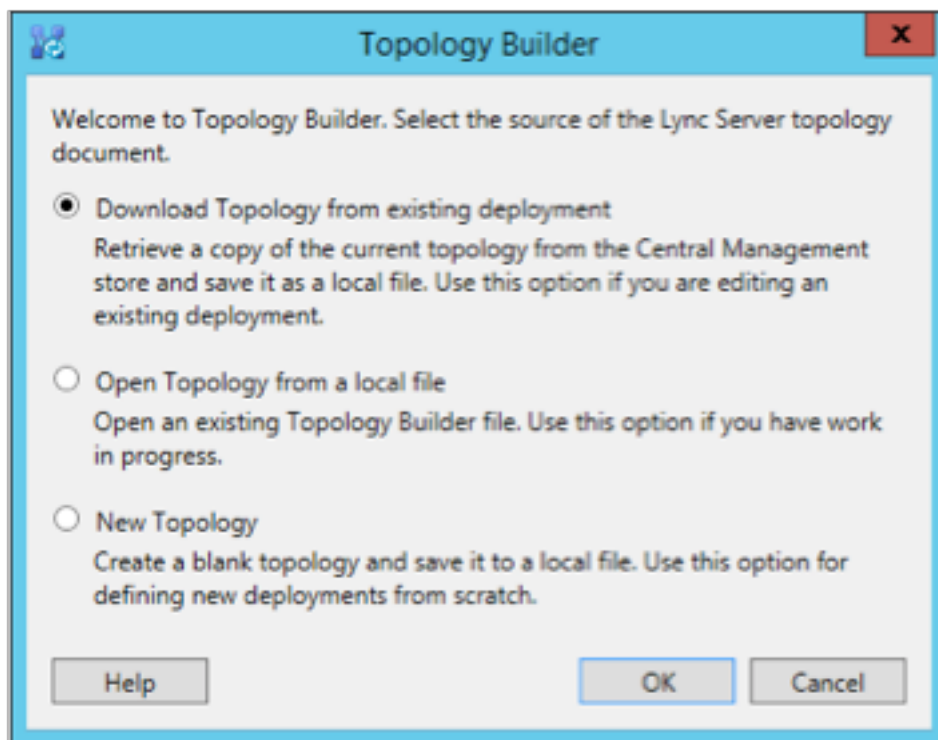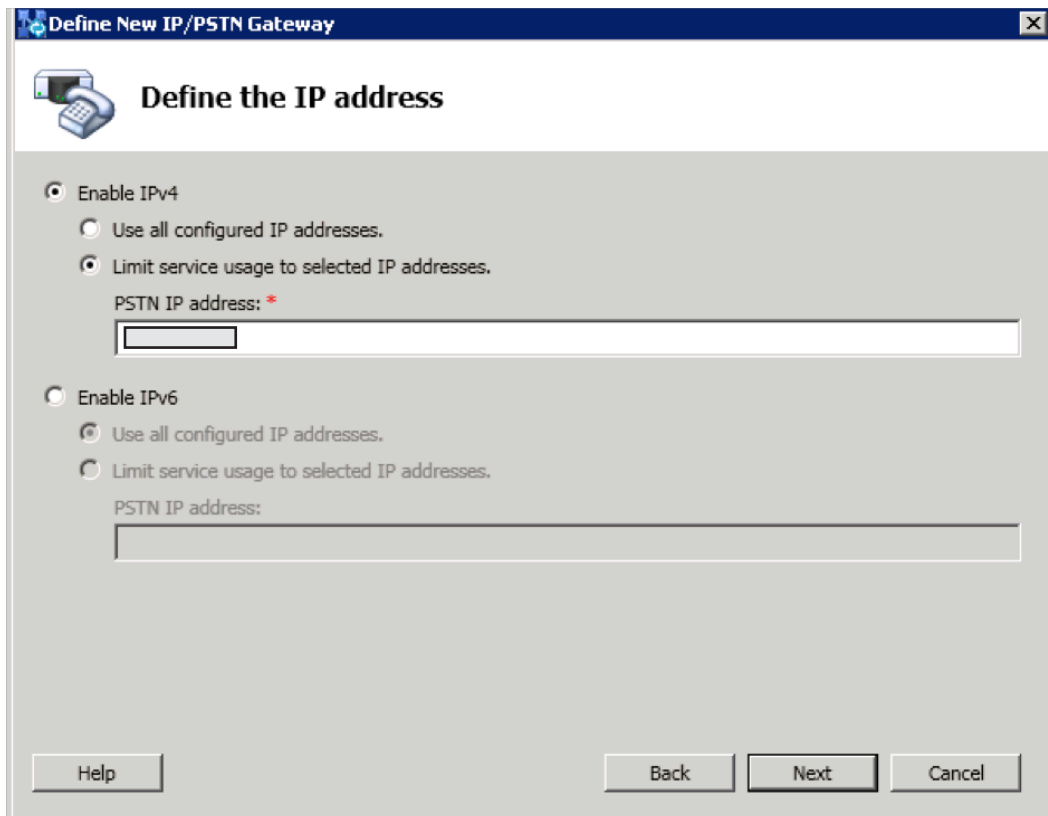

8. In the Topology builder, unfold 'Shared Components' right-click on 'PSTN gateways', select: 'New IP/PSTN gateway'.
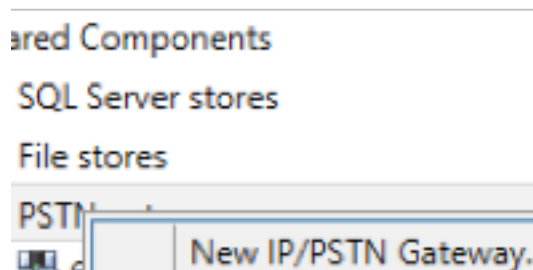
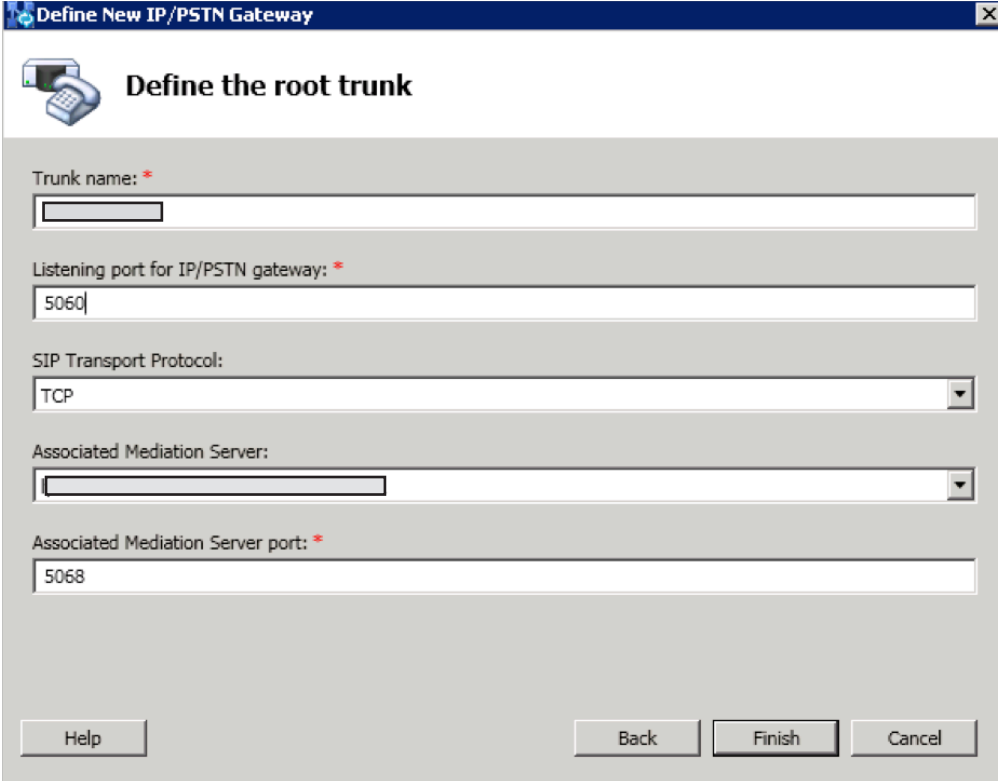9. As FQDN, use the IP address of the Robin

10. In the next screen, limit the service usage to the IP address of the Mediation Server

11. In the next screen, use the following settings:
- Trunckname: IP address of the Robin
- Listening port for the IP/PSTN gateway: 5060
- SIP Transport Protocol: TCP
- Associated Mediation server: Mediation server/pool (When using co-located mediation services, choose the front-end server/pool)
- Associated Mediation Server port: <select the listening port of the Mediation server, this example 5068>
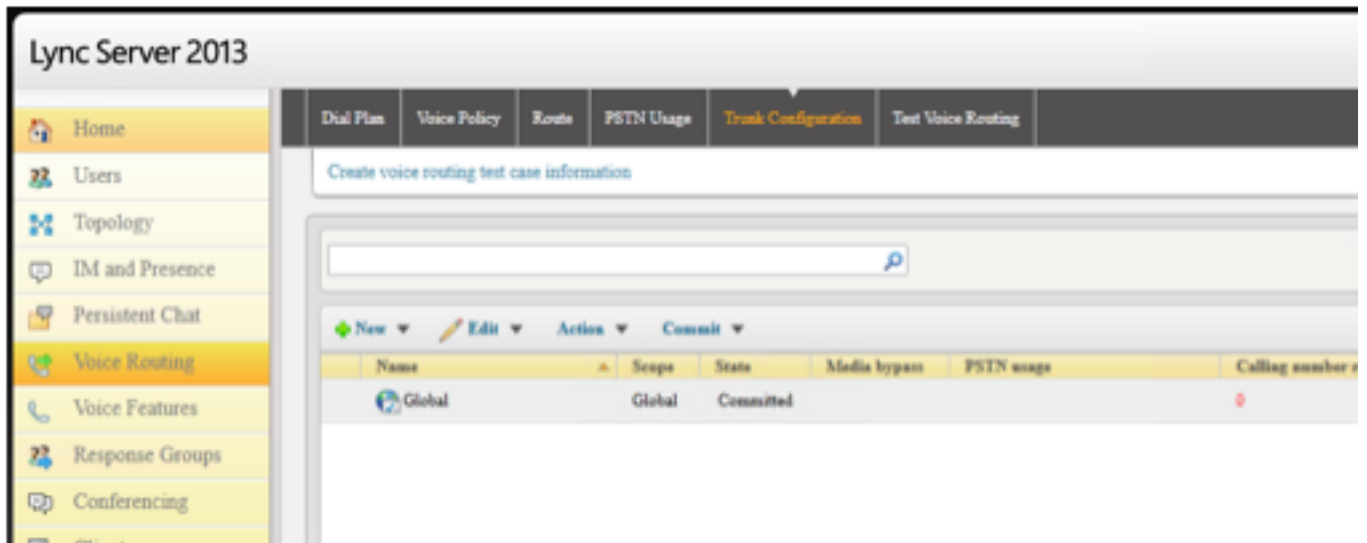

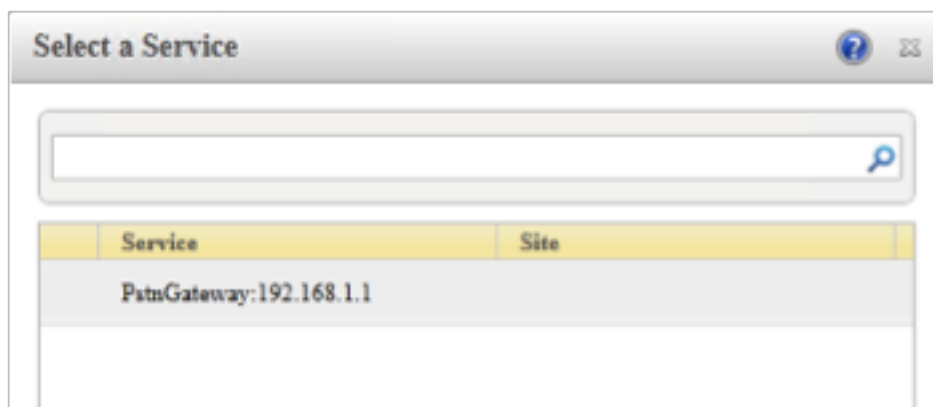12. Click 'Finish'. The config is stored in the topology, next: publish the Topology.

Lync Control Panel

1. Open the Lync server Control Panel on a Front-End and go to 'Voice Routing - Trunk Configuration'

2. Click on 'New' and create a 'Pool Trunk'

3. In the next screen, select the newly created PSTN-Gateway

4. Configure the following trunk options:
- Encryption Support Level: Not supported
- Refer Support: None
- Disable Outbound routing failover timer

5. Create the following 'Calling number translation rule':

6. Commit the trunk configuration

! Note 1 – The Lync event log will display gateway down entries. These can be ignored. (The Robin Intercom won't answer to messages from Lync).
Open the Topology Builder and choose 'Download Topology from existing deployment'. Store this file. !

! Note 2 – If the server has two network interface cards, create a static route to the Trunk of the Robin !

Configuration of the Robin

1. Log into the Robin and access the page -Telephony-SIP-
2. Change the SIP protocol from 'UDP' to TCP

3. Enable 'Trunk'

4. At 'SIP proxy / Registrar', fill in the IP address of the MS Lync server
5. At 'Username'. fill in the username associated with the Trunk / Robin
6. A password is usually not necessary
7. At SIP advanced, enable the use of an Outbound Proxy. Use the (same) IP address of the Mediation server, but change the port to the listening port of the Mediation server (in this case 5068)

The connection between the Robin and MS Lync is now established. Continue the configuration of the Robin as described in the manual that came with the Robin.

! Note 1 – Use the following notation when adding phone numbers to the phonebook in the Robin: +31xxxxxxxx@<domain of customer> where the +31 can be changed in any Country access code. !

! Note 2 – Calling to outside numbers isn't possible because no Inter Trunk Routes are created (see: https://technet.microsoft.com/en-us/library/jj205272(v=ocs.15).aspx !