

## SBC ISDN To SIP Routing for Dummies - TLS

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### About this Page

This document details the steps and inter-related parameters to establish an ISDN to SIP Server configuration using TLS transport.

### Related Articles

- [Managing Signaling Groups](#)
- [Managing Call Routing Tables](#)
- [Managing Transformation Tables](#)
- [Managing SIP Server Tables](#)
- [Working with Media](#)

## Prerequisites

- ✓ Assumes the user is familiar with navigating the SBC 1000/2000's WebUI

## SBC Network Configuration Summary - ISDN to TLS SIP Server

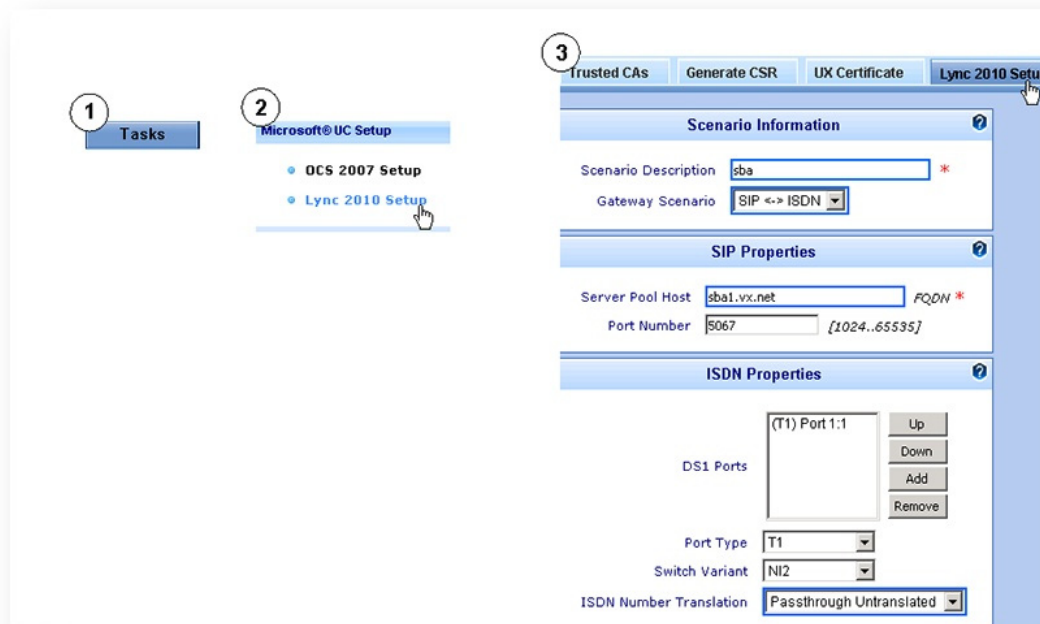


ISDN to TLS SIP Server

## Configuration Steps

### The Lync Wizard Task

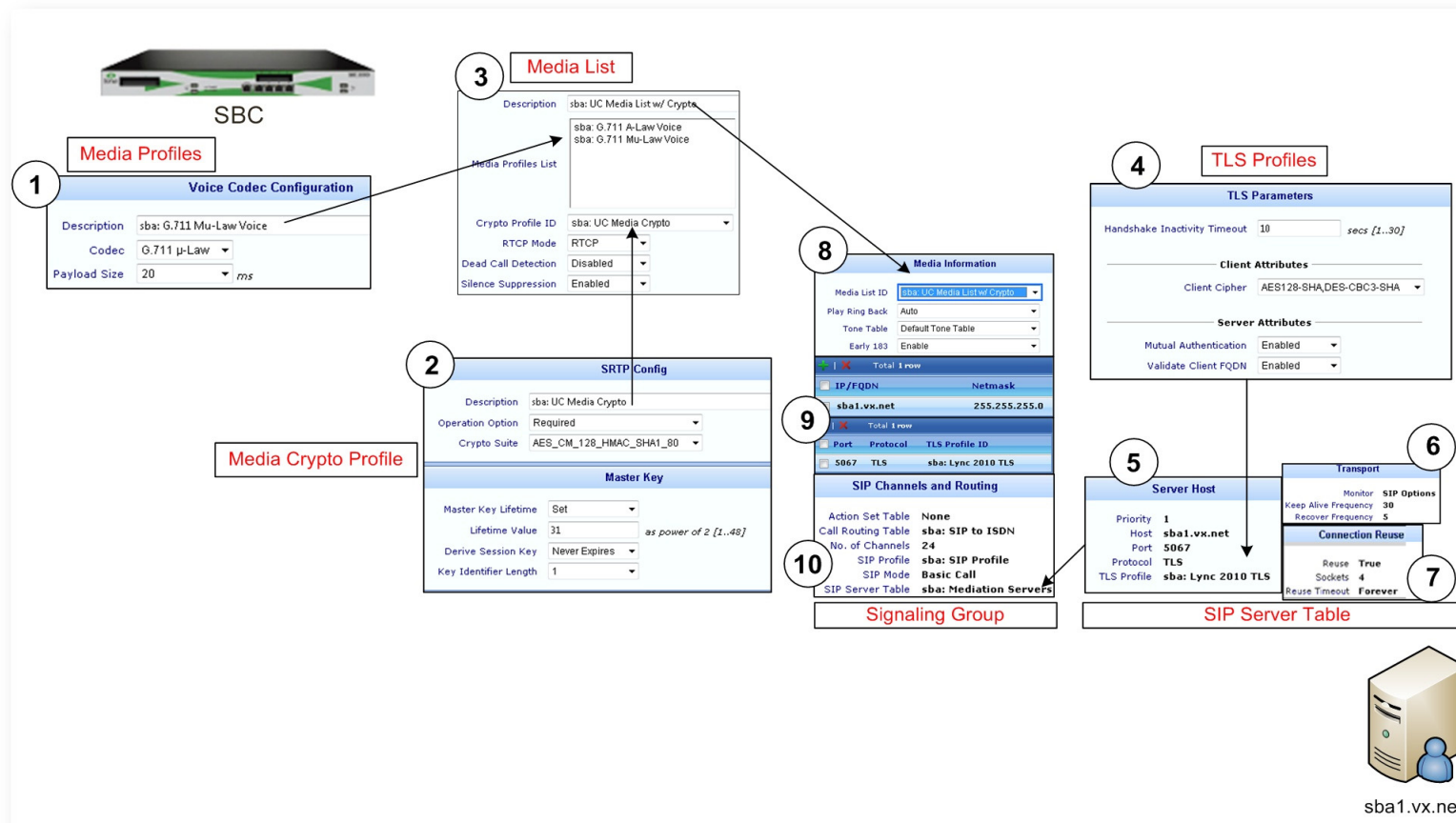
The configuration process of a SBC should always begin with running a wizard; however, the wizard only needs to be run for the very first configuration.



Lync Wizard Task

## Media Configuration for TCP/RTP

Use the diagram and the steps to configure the Media and TLS profile for the ISDN to TLS SIP Server call.



### TLS Configuration Flow

#### Media Configuration Steps

1. Ensure there is a media profile for your preferred codec
2. Review the Crypto Profile
3. Verify the Media list for Media and Crypto Profiles
4. Verify the TLS Profile

**In the SIP Server Table:**

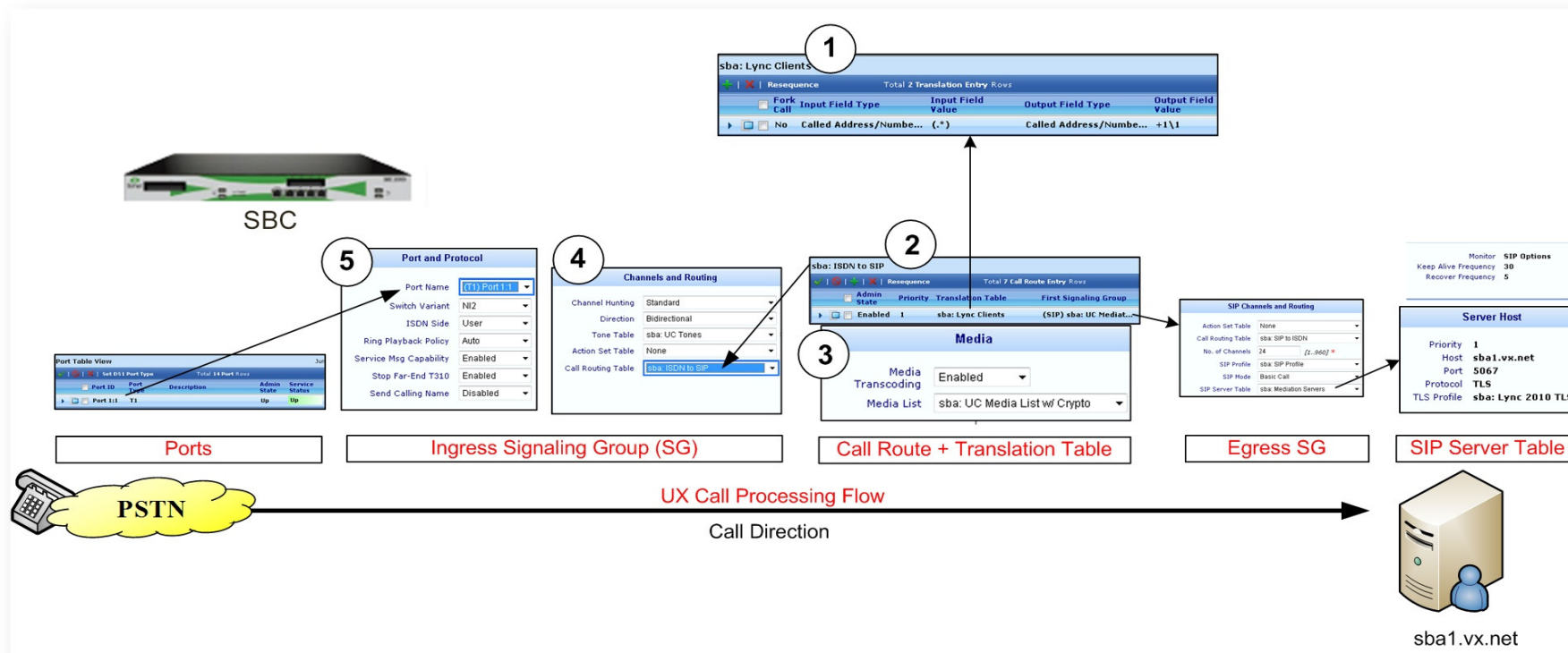
5. Add a SIP Server Host for the FE/SBA FQDN and set the TLS profile
6. Set the SIP Options and the (7) TLS Reuse Parameters

**In the destination Signaling Group:**

8. Set the Media List entry
9. Set the Federated FE/SBA FQDN and port:5067/protocol:TLS/TLS Profile
10. Set the SIP Server Table entry

## Call Routing Configuration

Use the diagram and steps to configure a call route from ISDN to the TLS SIP Server.



ISDN to Lync Call Routing Configuration Flow

### Call Configuration Steps


1. Create a translation table/entry to perform any necessary number translations
2. Create a Call Route entry. Configure the translation table name and Egress SG configured from the previous page; (3) enable transcoding and set the appropriate media list entry .


#### In the Ingress SG:

4. Verify/Set the Call Route Table and (5) incoming ISDN port

## Other Important Information

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 You will still need to configure the SBC for the appropriate certificates in order to complete TLS calls. See [Lync Setup](#) documentation for information on certificates and [Deploying the Survivable Branch Appliance](#) for further information on deploying a SBA.

 Click here to download the fully-sized diagrams from this article. [SBCISDNtoSIPRoutingDrawings.zip](#)