SBC ISDN to SIP Routing For Dummies

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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 TCP transport.

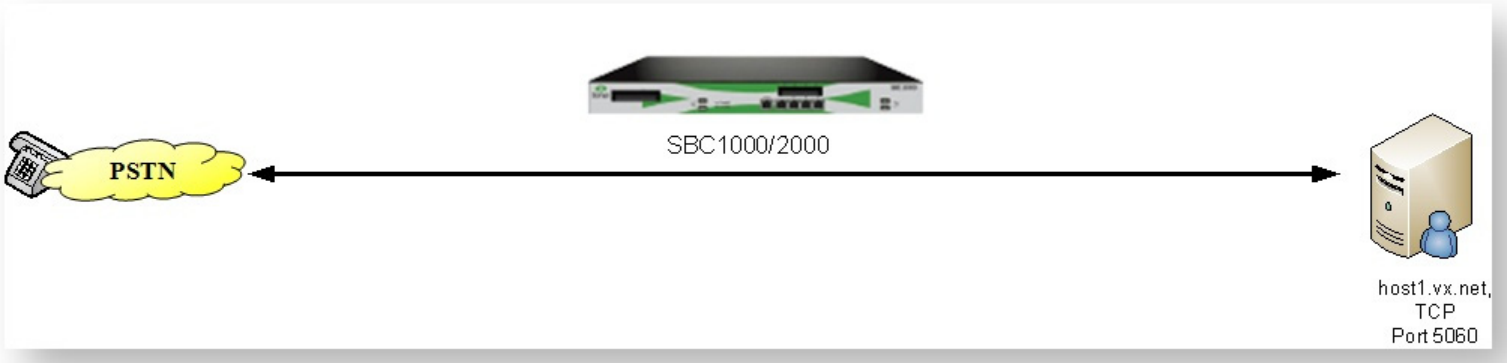
Related Articles

- Managing Signaling Groups
- Managing Call Routing Tables
- Managing Transformation Tables
- Managing SIP Server Tables
- Working with Media

Prerequistes

- Assumes the user is familiar with navigating the SBCx000's WebUI

SBC Network Configuration Summary - ISDN to TCP SIP Server

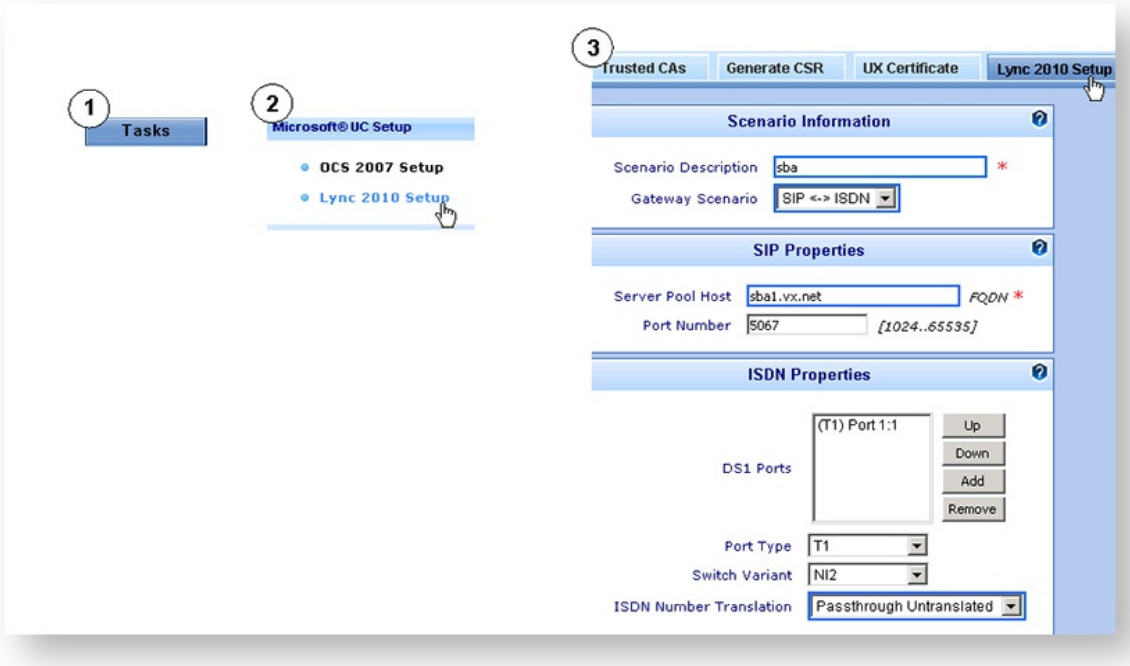


ISDN to SIP (TCP) Network

Configuration Steps

The Lync Wizard Task

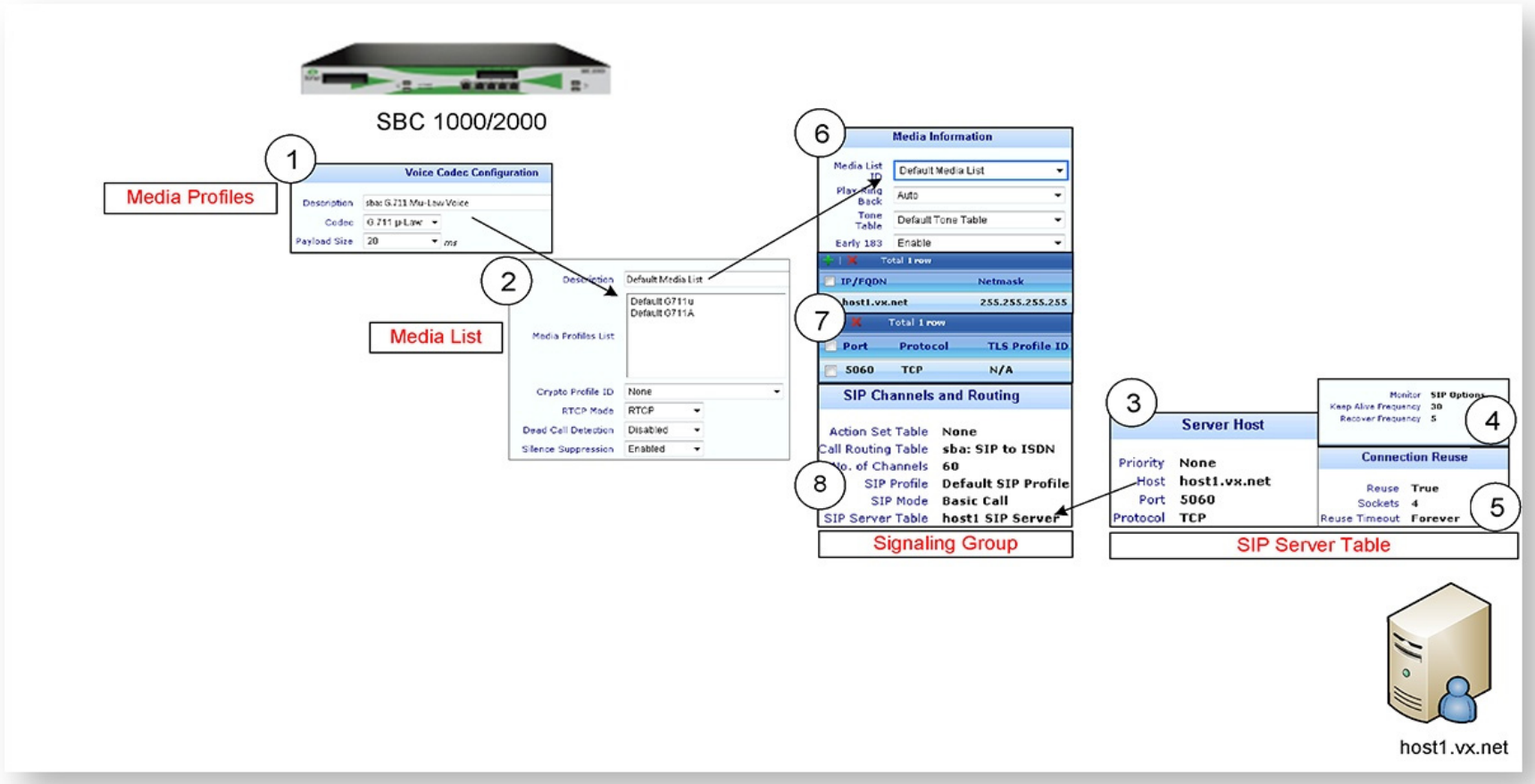
The configuration process of a SBC should always begin with running a wizard; however, the wizard only needs to be run for the very first configuration.



Lync Wizard Task

Configure Media for TCP/RTP

Use the diagram and the steps to configure the Media and Profiles for the ISDN to (TCP) SIP Server call.



TCP/RTP Media Configuration Flow

Media Configuration Steps

1. Ensure there is a media profile for your preferred codec
2. Verify the Media list for Media. Verify each setting.

In the SIP Server Table:
3. Add a SIP Server Host for the destination server (IP or FQDN), host1.vx.net in the example.
4. Set the SIP Options and the (5) TCP Reuse Parameters

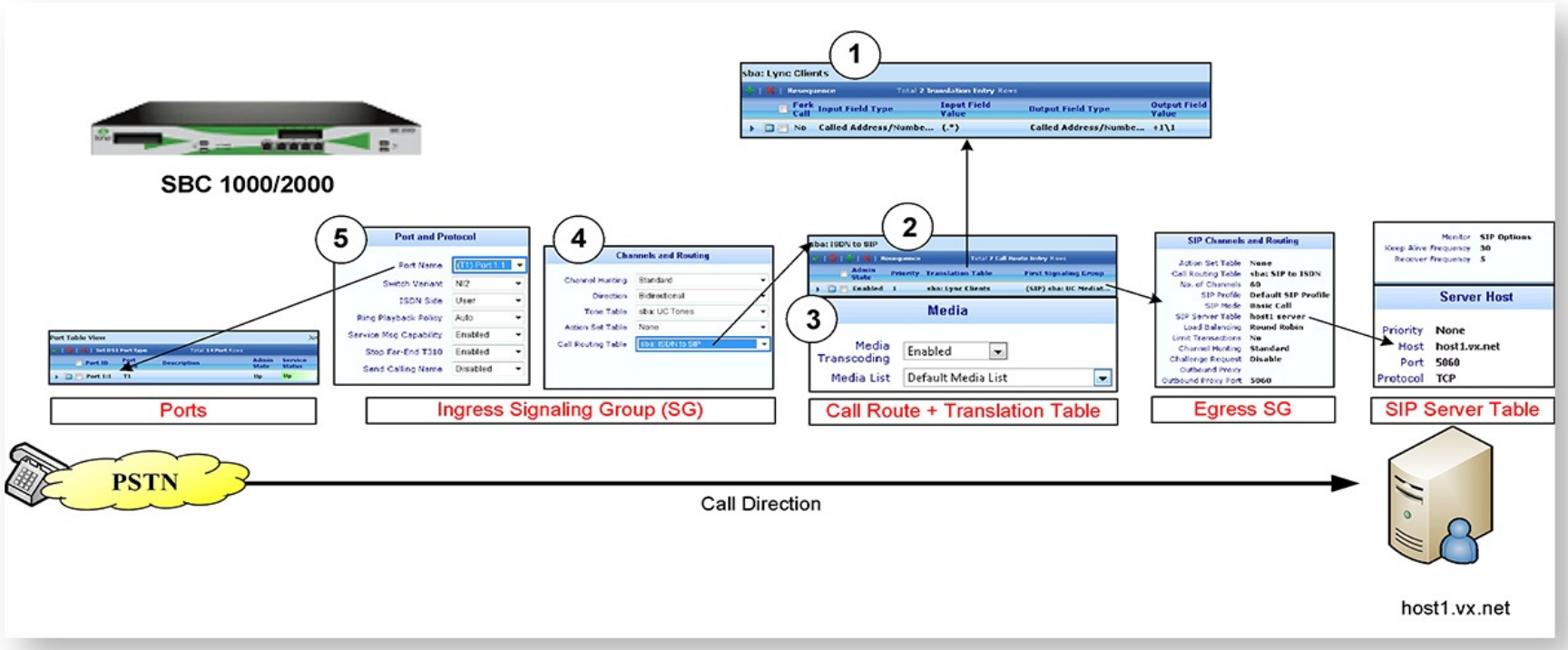
Create a Signaling Group for host1.vx.net:
6. Set the Media List entry
7. Set the Federated IP/FQDN, port and protocol
8. Set the SIP Server Table entry

The fully-sized diagrams in this article are available by download at the bottom of the page

Call Routing Configuration

Configure ISDN to SIP Call Routing

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



ISDN to SIP Call Routing Configuration

ISDN to SIP Call Configuration Steps

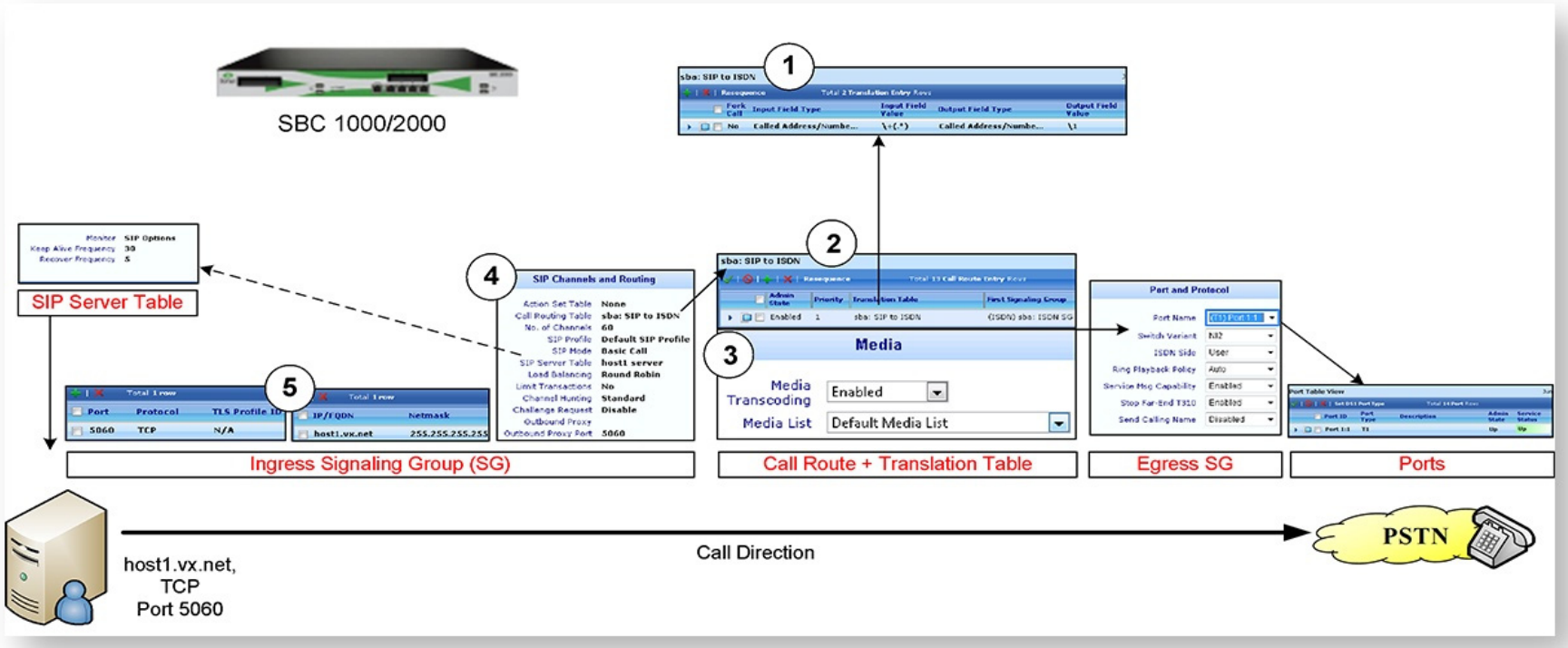
1. Create a translation table/entry to perform any necessary number translations
2. Create a Call Route entry. Configure the translation table name and Egress SG configured from the previous page; (3) enable transcoding and set the appropriate media list entry .

In the Ingress SG:

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

Configure SIP to ISDN Call Routing

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



SIP to ISDN Call Routing Configuration

SIP to ISDN 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) the Federated IP, transport, and port.

Important Notes

Click here to download the fully-sized diagrams from this article