Sonus & Audiocodes SBC
Configuration Notes

Need Help?

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Introduction

Algo IP products support the open SIP telephony standard, which is not directly supported by the Microsoft Skype for Business / Teams platform.

In order to interface a SIP endpoint with a Skype for Business environment, a third-party SIP Gateway device can be used. This gateway accepts the SIP registration from the endpoint, and then also communicates with the Microsoft server, thus acting as an interface between the two.

The SIP endpoint just sees the SIP Gateway, the actual phone system behind is invisible. On the Algo device, configure the “SIP Domain (Proxy Server)” with the address of the SIP Gateway, and provide the appropriate credentials for this account (Extension, Authentication ID & Password).

This document provides an overview of registering an Algo SIP Endpoint with both Sonus & AudioCodes gateways.

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Sonus SBC

Ensure that the Sonus SBC used is a SIP Gateway: specifically, that it allows a third-party SIP endpoint to register with it via SIP.

Sonus SIP Registrar – get a SIP license from Sonus. A license installed allows an endpoint to become a registered SIP client.

- SIP Domain (Proxy Server) = SBC name/address
- Extension = extension number created on Sonus
- Authentication ID = not mandatory, dependant on SBC configuration
- Authentication Password = not mandatory, dependant on SBC configuration

Note: make sure to allow inbound and/or outbound calls on the Sonus SBC.

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AudioCodes SBC

Please note the configuration shown below is an example and might have more or less steps than necessary, depending on the environment.

1. Navigate to Proxy Sets and configure a SIP Interface (Setup menu -> Signaling & Media tab -> Core Entities folder -> SIP Interfaces).

Parameter	Value
Index	1
Name	Algo-SIPint (suggested)
Network Interface	LAN-IF-Skype
Application Type	SBC
UDP Port	5070
TCP and TLS	0

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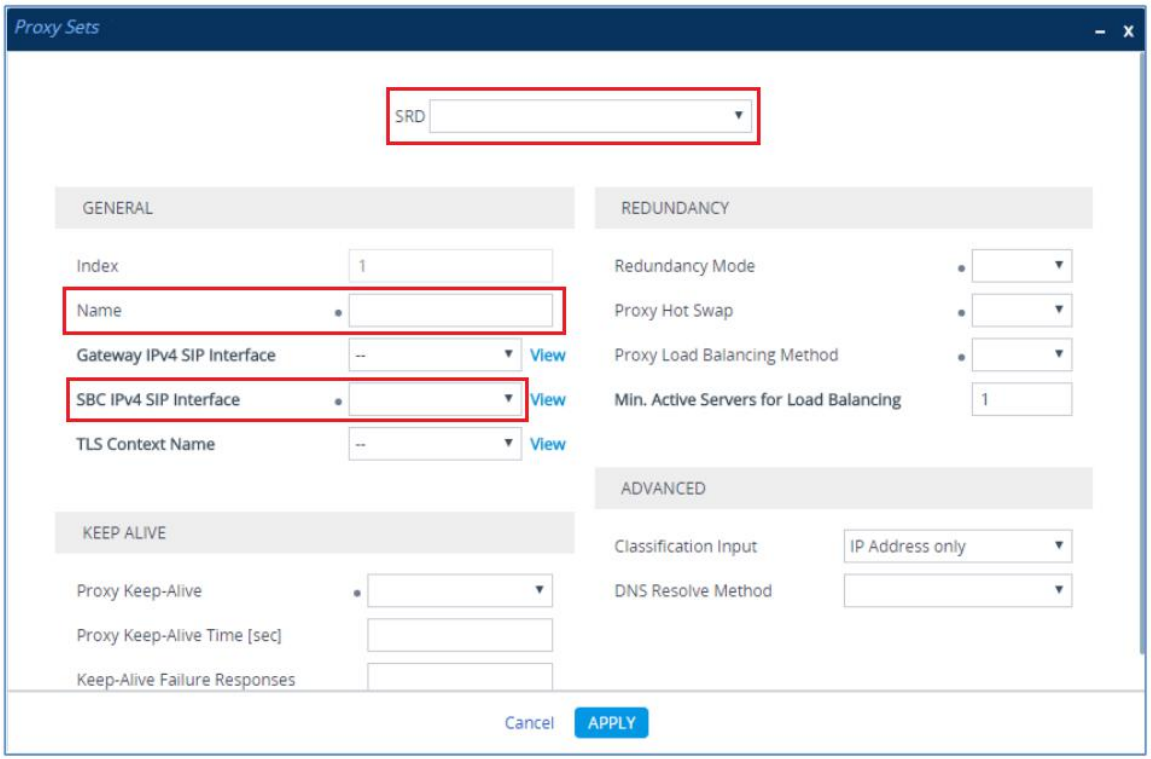
2. Configure two Proxy Sets. One to define the destination address of the Skype for Business server and a second one for the Algo endpoint. Open the Proxy Sets table (Setup menu -> Signaling & Media tab -> Core Entities folder -> Proxy Sets).



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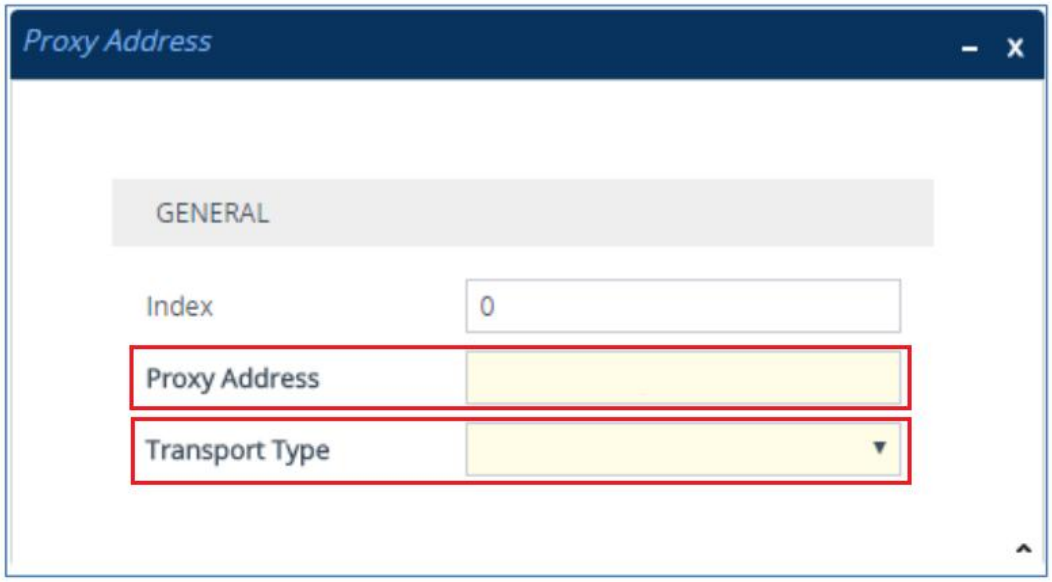
3. In Proxy Address, enter the IP address of the Skype for Business server and set transport type as required. Repeat the step for the Algo endpoint.



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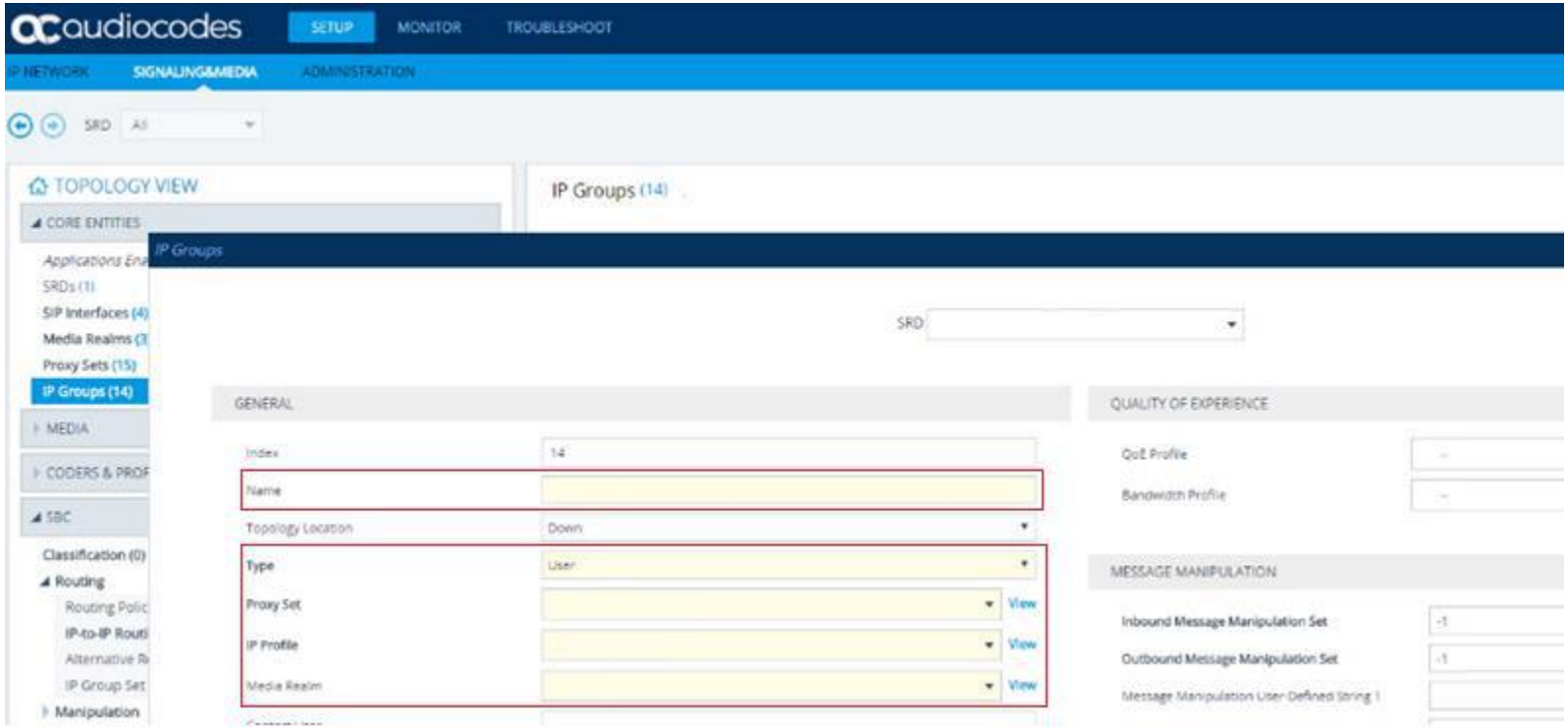
4. To create an IP Group, open the IP Groups table (Setup menu -> Signaling & Media tab -> Core Entities folder -> IP Groups). Give it a Name, Type = “User”, Proxy Set = use the one just created, IP Profile = Skype Interface.



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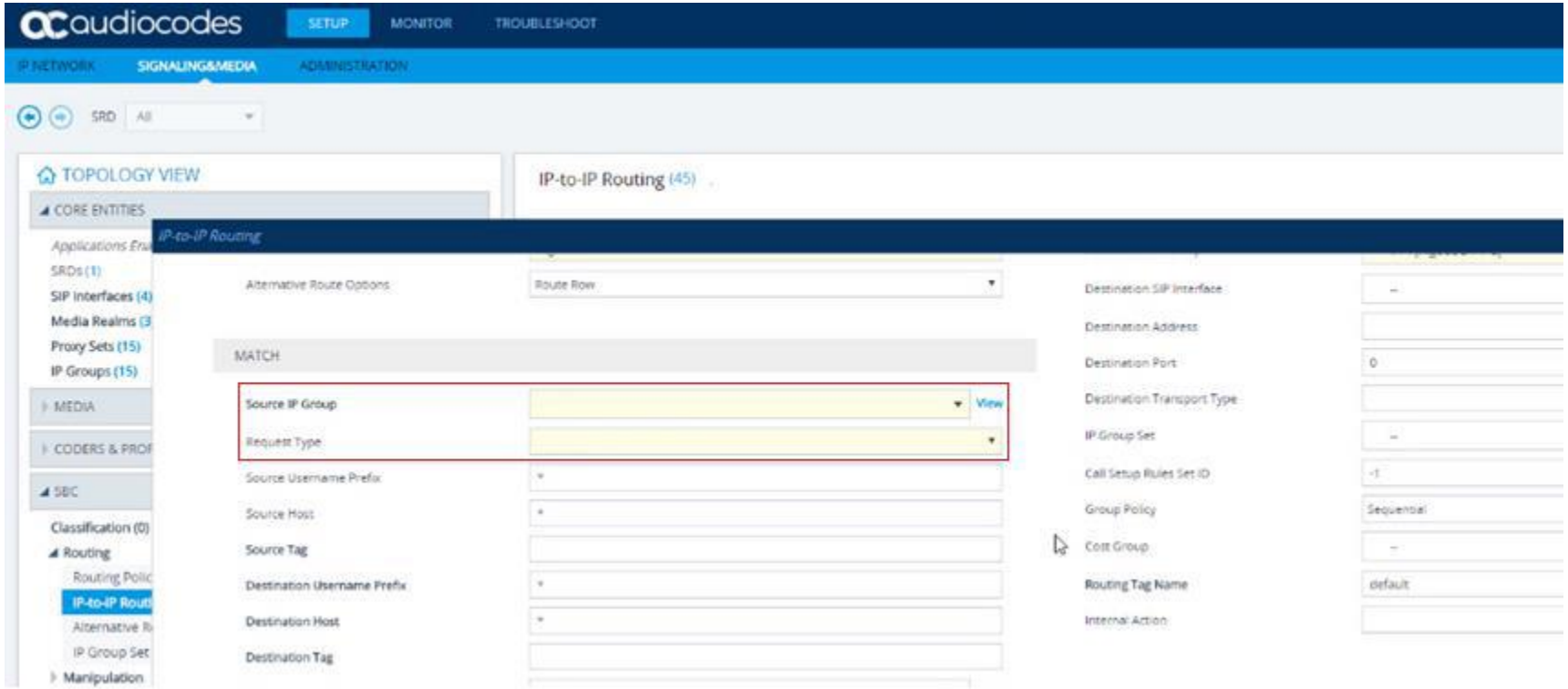
5. Create the IP-to-IP Call Routing Rules, to define the routes for forwarding SIP messages received from one IP entity to another. Source IP Group is the Group created in step 4 with the Request Type = “REGISTER”.



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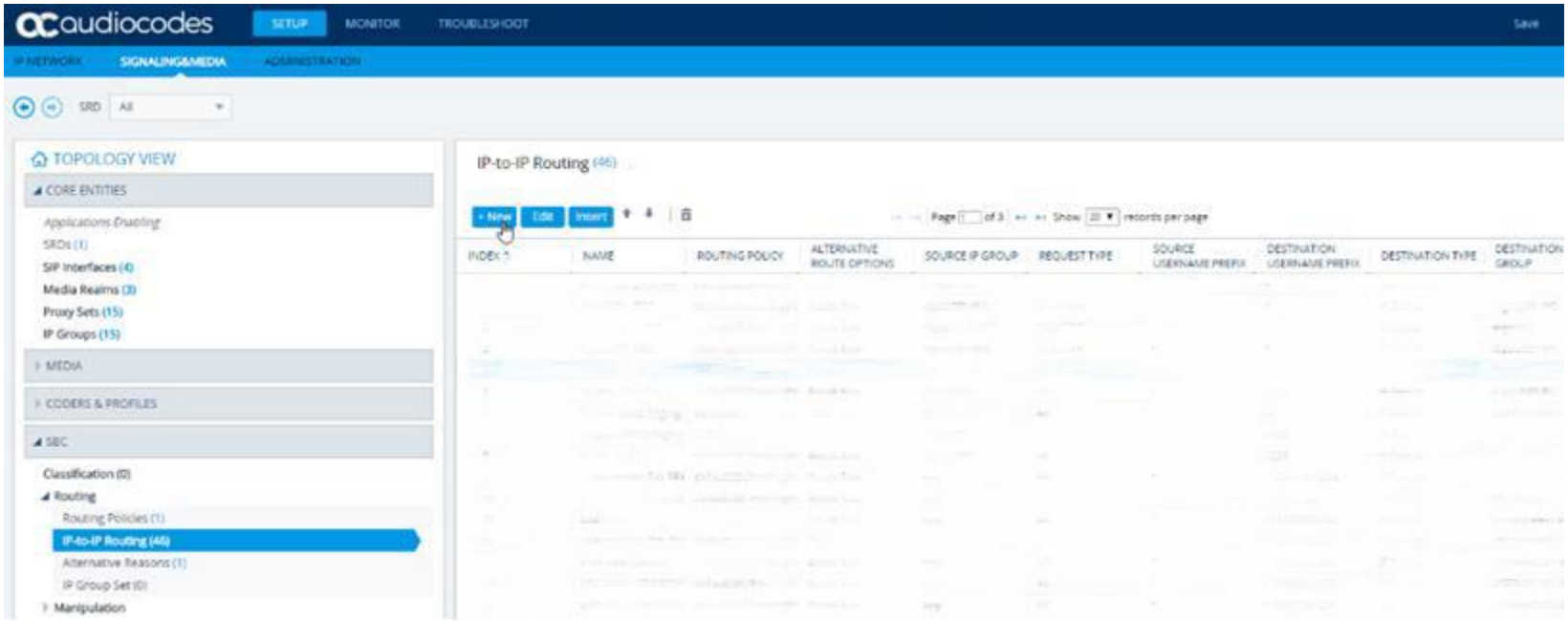
6. Highlight the IP Routing just created and use the arrows to move it to the top of the list and click save in the top right corner.



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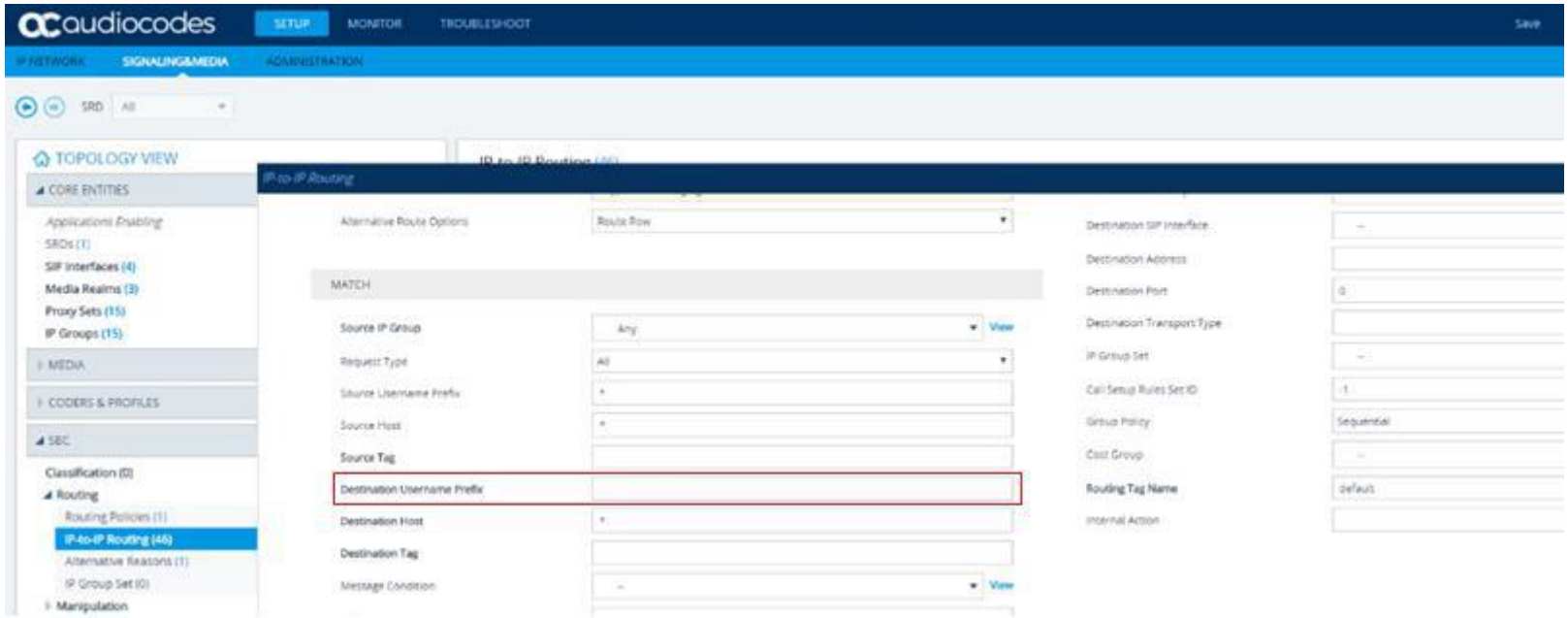
7. To create a new Ip-to-Ip Routing use the “+New” button on the top of the list. Enter the new extension in the Destination Username Prefix.



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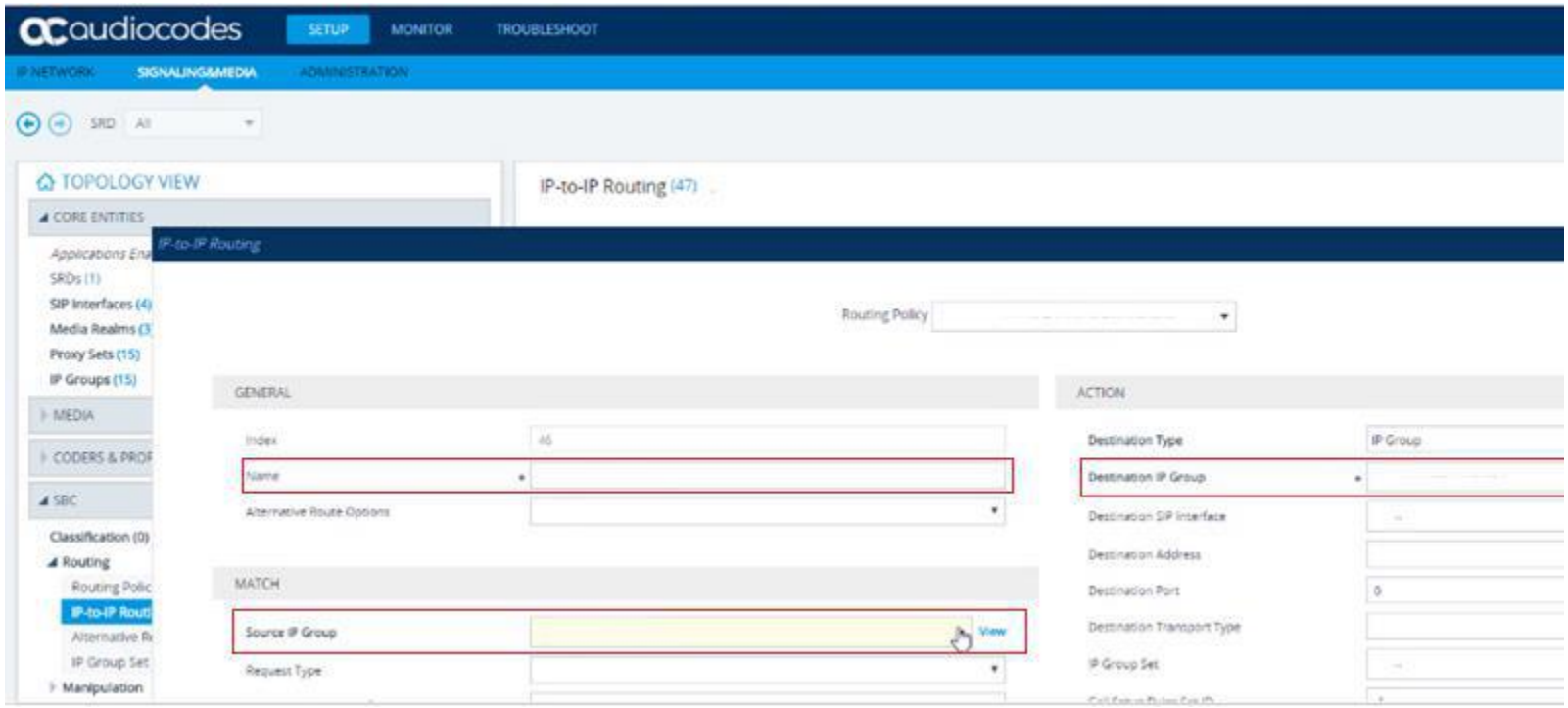
8. Set the Name, Destination IP Group (use the Group created in step 4) and Source IP Group (Skype).



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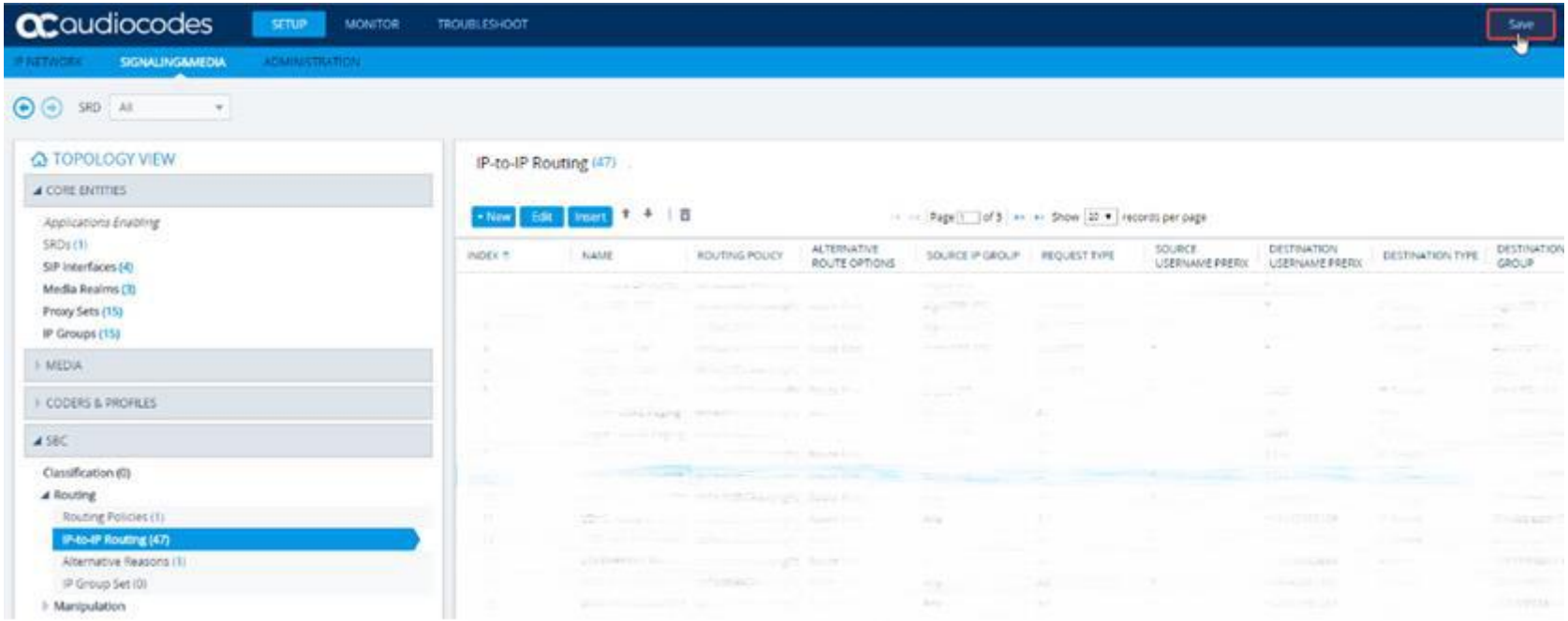
9. Highlight the IP Routing just created and use the arrows to move it to the top of the list and click save in the top right corner.



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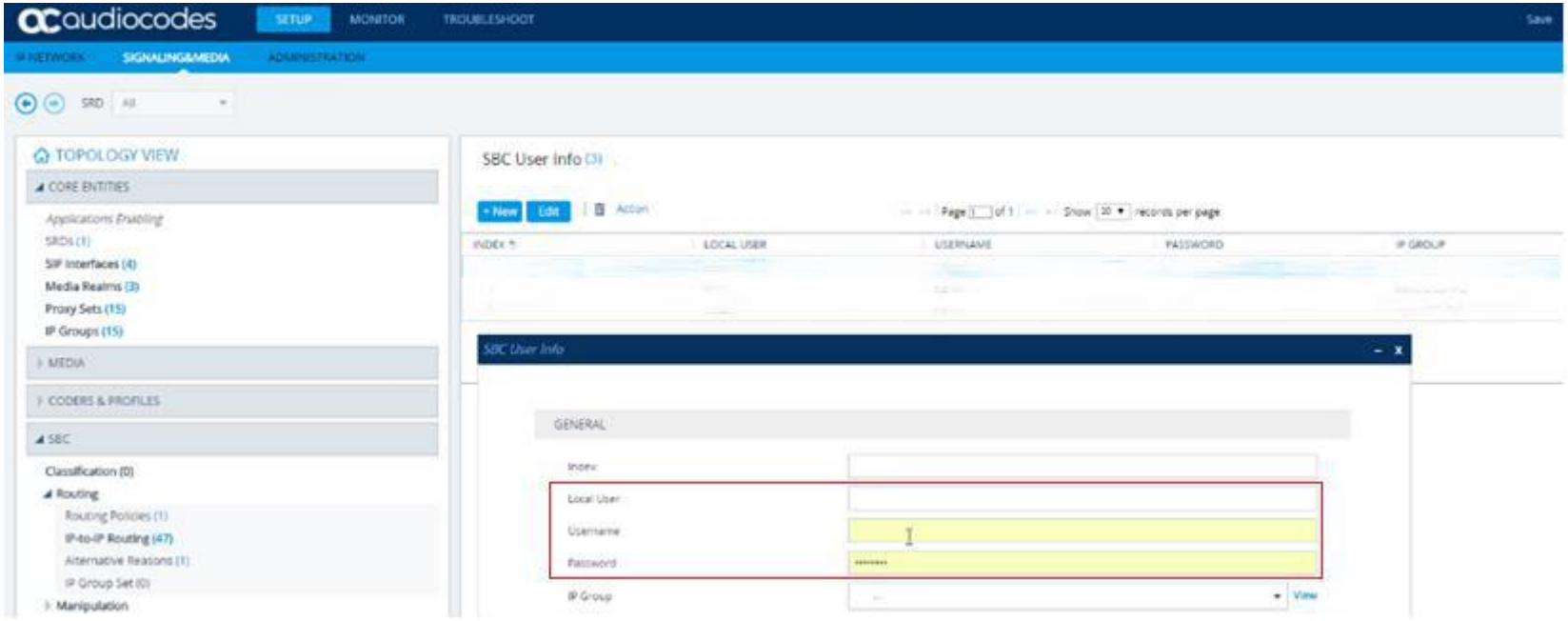
10. Navigate to Setup menu -> Signaling & Media tab -> SBC folder -> User Information, to create the SBC User Info. Local User will be the destination prefix created in step 7.



11. On the Algo Endpoint, under Basic Settings -> SIP, set:
    - SIP Domain = SBC address and port number
    - Extension = Local User
    - Authentication ID = Username
    - Authentication Password = Password

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