

UCx to Avaya Call Manager SIP trunk.

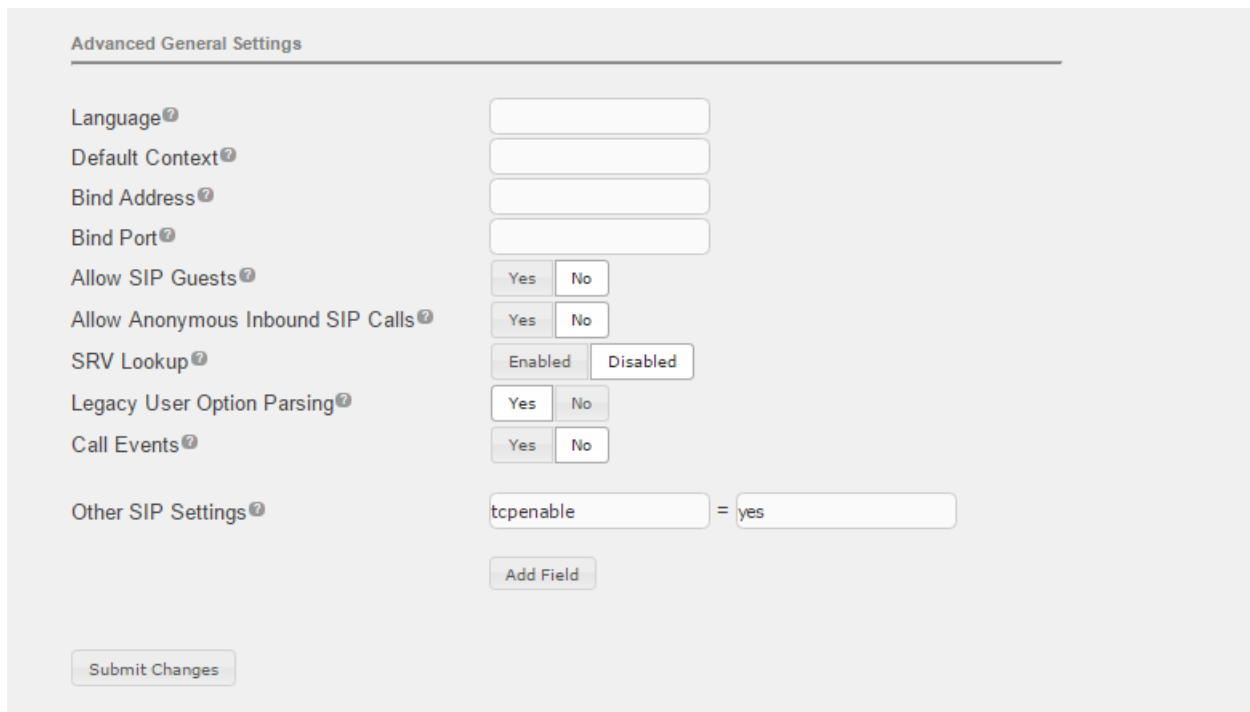
Avaya Communications Manager prefers Signaling over TCP not UDP. In these instances where signaling needs to be over TCP there are a few steps that are needed.

The following information is an example of a UCx connected to a Avaya CM via a SIP trunk.

The CM's Ip address is 192.168.2.10. Each side will be using a access code of 8 to reach the SIP trunk.

SIP Settings

One is to add tcpenable=yes in the Other SIP settings window in SIP Settings.



The screenshot shows the 'Advanced General Settings' window for SIP configuration. The settings are as follows:

Setting	Value
Language	[Empty]
Default Context	[Empty]
Bind Address	[Empty]
Bind Port	[Empty]
Allow SIP Guests	Yes
Allow Anonymous Inbound SIP Calls	Yes
SRV Lookup	Enabled
Legacy User Option Parsing	Yes
Call Events	Yes
Other SIP Settings	tcpenable = yes

Buttons: Submit Changes, Add Field

SIP Trunk

When building your sip trunk you must have transport=tcp in your peering details.

The screenshot shows the E-MetroTel PBX Configuration web interface. The main navigation bar includes System, Fax, PBX, Reports, Extras, My Extension, Security, and Support. Below this is a secondary navigation bar with PBX Configuration, Operator Panel, Voicemails, Call Recordings, Batch Configuration, Conference, Tools, and IP Trunk Assistant. The left sidebar contains a tree view of configuration categories: Basic, Trunks, Outbound Call Control, Inbound Call Control, Settings, Applications, and Remote Access. The main content area is titled 'Add SIP Trunk' and is divided into several sections:

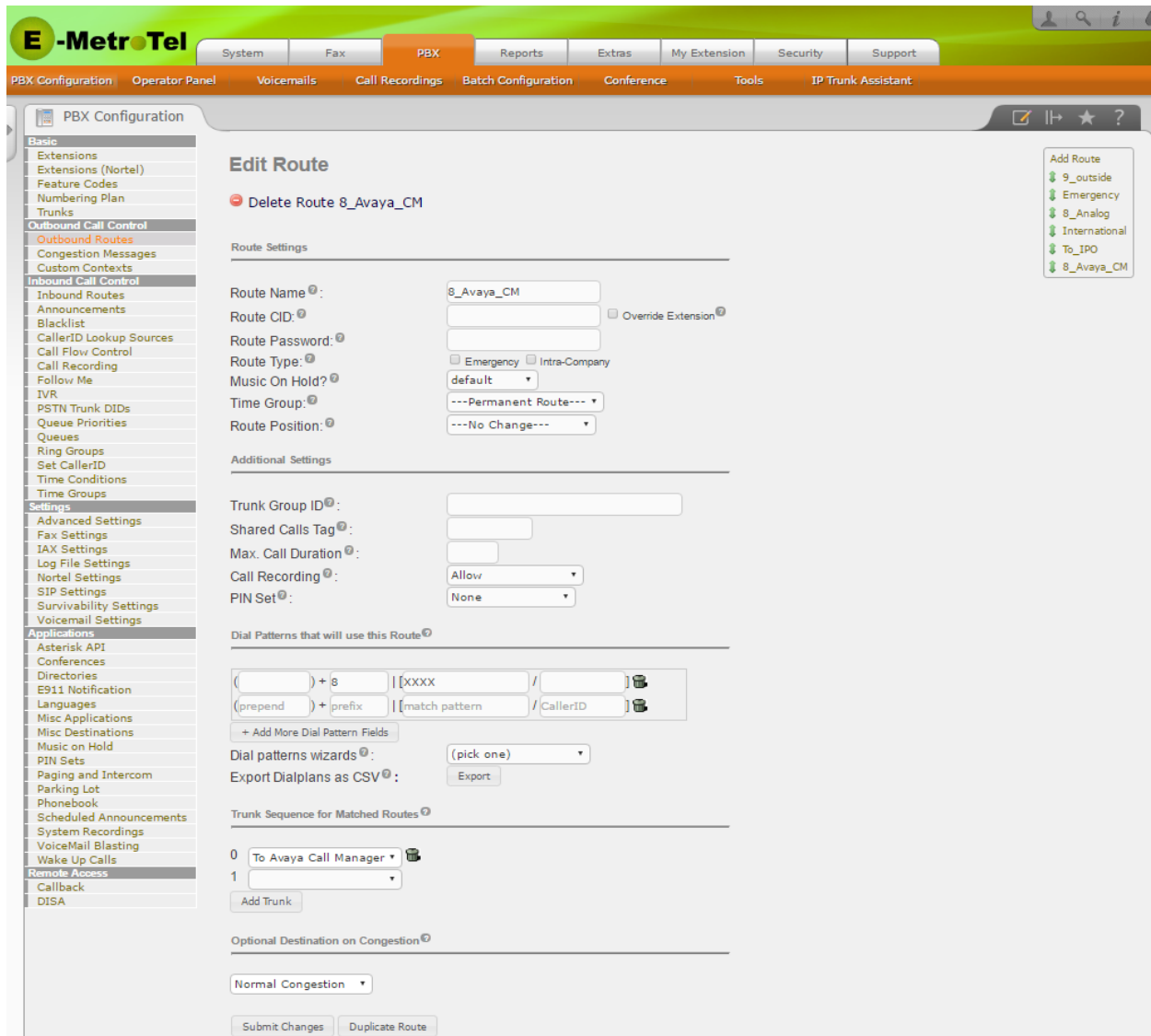
- General Settings:** Trunk Name (To Avaya Call Manager), Outbound CallerID, CID Options (Allow Any CID), Maximum Channels, Asterisk Trunk Dial Options (IT), Continue if Busy (Check to always try next trunk), and Disable Trunk (Disable).
- Dialed Number Manipulation Rules:** Includes fields for (prepend), + prefix, and match pattern, along with a Dial Rules Wizards dropdown (pick one) and an Outbound Dial Prefix field.
- Outgoing Settings:** Trunk Name (Avaya CM), and a PEER Details text area containing:

```
host=192.168.2.18
type=peer
trunk=yes
qualify=yes
insecure-port,invite
sendrtp=yes
sendrecv=yes
transport=tcp
deny=0.0.0.0/0.0.0.0
permit=192.168.2.18/255.255.255.255
```
- Incoming Settings:** USER Context and USER Details text areas.
- Registration:** Register String field.

At the bottom of the form are 'Submit Changes' and 'Duplicate Trunk' buttons. A small 'Add Trunk' sidebar on the right lists various trunk types like analog 2 (dahdi), analog 3 (dahdi), analog 4 (dahdi), analog g0 (dahdi), cpc (sip), IP Office (sip), and VOIP.ms (sip).

Outbound Route -

In this example we used an access code of 8 to reach this SIP trunk and then the user can dial the 4 digit extension of the person they wish to reach on the Avaya CM using the previously built SIP trunk.



The screenshot shows the E-MetroTel PBX Configuration interface. The main menu includes System, Fax, PBX, Reports, Extras, My Extension, Security, and Support. The PBX Configuration menu is expanded, showing options like Basic, Outbound Call Control, Inbound Call Control, Settings, and Applications. The 'Edit Route' page is displayed for the route '8_Avaya_CM'. The route settings include:

- Route Name: 8_Avaya_CM
- Route CID: (empty)
- Route Password: (empty)
- Route Type: Emergency, Intra-Company
- Music On Hold?: default
- Time Group: ---Permanent Route---
- Route Position: ---No Change---

Additional settings include:

- Trunk Group ID: (empty)
- Shared Calls Tag: (empty)
- Max. Call Duration: (empty)
- Call Recording: Allow
- PIN Set: None

Dial Patterns that will use this Route:

() + 8 | [XXXX] / []

(prepend) + prefix | [match pattern] / CallerID

Dial patterns wizards: (pick one)

Export Dialplans as CSV: Export

Trunk Sequence for Matched Routes:

- To Avaya Call Manager
- (empty)

Optional Destination on Congestion: Normal Congestion

Buttons: Submit Changes, Duplicate Route

Inbound Route

In the above example, the Avaya CM will also have an access code of 8 to reach the UCx SIP trunk and then dial the 4 digit extension they wish to reach. Since the UCx will be receiving only the 4 digit extension from the CM then no inbound routes are needed. If the CM dials an extension that is not programmed in the UCx then the Catch_All inbound route will route those callers to the Main IVR.