

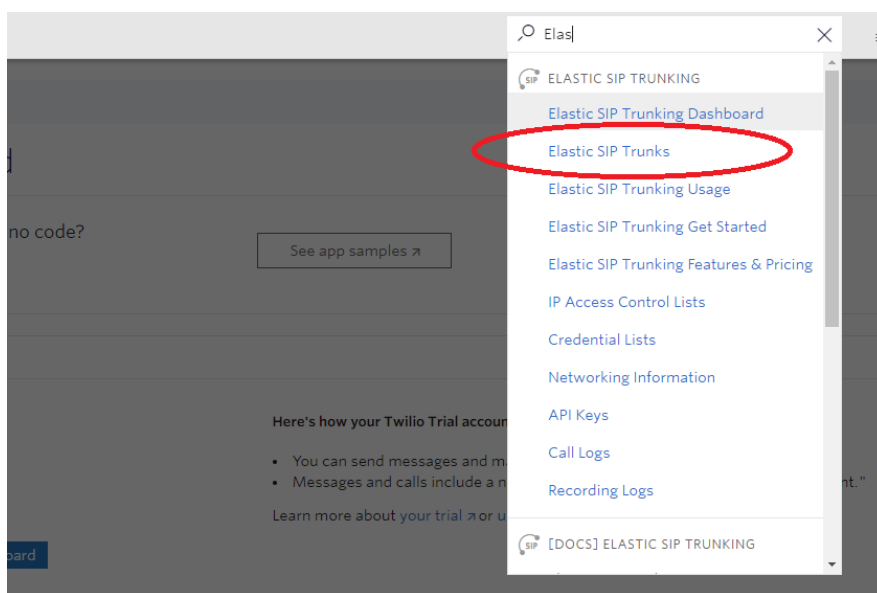
# Setting up an Elastic SIP Trunk on Twilio:

## Introduction:

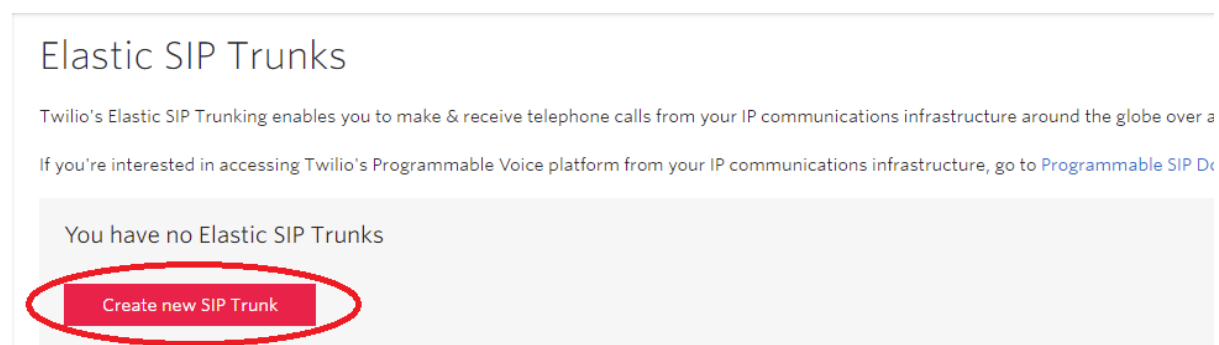
In order to run your IVR on the GP IVR program, you will need to set up an Elastic SIP Trunk for Twilio. This then allows you to set the **SIP Trunk Settings** page and provider telephone number. In this guide you will find out how to do this on Twilio.

## Getting Started:

- Firstly, navigate to the Elastic SIP Trunks page on Twilio by logging in and typing into the search bar.



- Click the button “Elastic SIP Trunks”.
- From this page, you can create a new SIP Trunk by clicking on “Create new SIP Trunk”



- Then give your SIP trunk a name and click “Create”.

Create A New SIP Trunk

Name your new SIP Trunk, then configure it in the following steps.

FRIENDLY NAME

test

Cancel

Create

## Termination Settings:

- Switch to the “Termination” tab on the left-hand menu.

Elastic SIP Trunking

Trunk

General

Termination

Origination

Numbers

< Back

General Settings

Friendly name

test

A human readable descriptive

Trunk SID

TK1e4ed131affd7b4415c11ac

Features

To learn more about SIP Trunking

Call Recording ⓘ

Disabled

Calls will not

Call Recording

Record from ringing

- Create a Termination SIP URI. This can be any domain name that you want. This is how the IVR server will communicate with Twilio. You can also get the localised URIs afterwards for local servers.

TERMINATION SIP URI

testing451

.pstn.twilio.com

Available

Show Localized URIs

- Note that the URI must show as “Available”.

- Now create an IP Access Control List. You can do this by clicking on the “+” sign next to IP Access Control Lists.
- This will bring up a pop-up. Here you should specify a name of your choice. Under “CDR Network Address” you should specify the public IP address of the PC or server running your IVR system.

**New Access Control List**

**Properties**

FRIENDLY NAME: 150.147.67.234

**Add an IP Address Range**

CIDR NETWORK ADDRESS: 150.147.67.234 / 32

IP Address of 150.147.67.234

FRIENDLY NAME: 150.147.67.234

Cancel Create ACL

- Now you should save this page by clicking “Save”.

## Origination Settings:

- To set the origination settings, go to the “Origination” tab on the left-hand menu.

**Elastic SIP Trunking**

test

General

Termination

**Origination**

Numbers

< Back

- From here, click “Add a new Origination URI”.
- This will bring up a popup. In the box “Origination SIP URI” write down the public IP of the PC or server running the IVR, but in this format – “sip: 150.147.67.234:5160”

- Where “sip:” specifies the protocol and “:5160” specifies the port number. By default, we use 5160 on the IVR server and it is advised.
- Now click the “Add” button to add the origination URI.

**Add Origination URL**

ORIGINATION SIP URI:

PRIORITY:   
 Priority ranks the importance of the URI. Values range from 0 to 65535, where the lowest number represents the highest importance.

WEIGHT:   
 Weight is used to determine the share of load when more than one URI has the same priority. Its values range from 1 to 65535. The higher the value, the more load a URI is given.

ENABLED: ☒ ON

- Now make sure you save the settings by clicking “Save” at the bottom of the page.

## Numbers:

- You can navigate to the Numbers page by clicking “Numbers” on the left-hand menu.
- Once there you can click “Add Existing Number” to add a number to the Elastic SIP Trunk.
- Once added, this will be the number that users will call in order to call the IVR call system.

## Finishing Notes:

Now you have your Elastic SIP trunk set up. You can now go to the “GP IVR” application and set the SIP Trunk settings and telephone provider number. Once this is done, users will be able to call your IVR.