

Configure your QuestBlue sip trunk under Elastix PBX 2.4 and Issabel PBX as well

Firewall

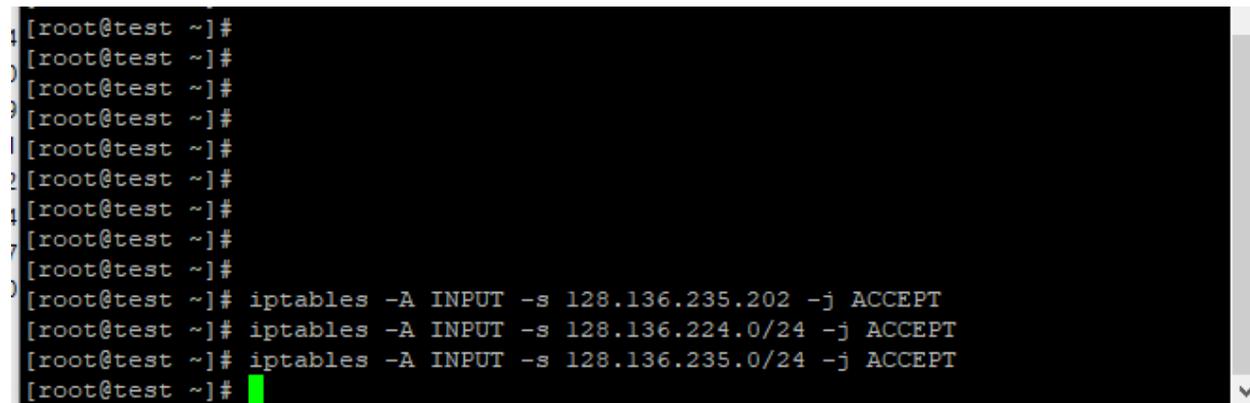
First, we need to make sure that QB IP is whitelist on your PBX

On your console type the below command one line at the time and hit enter after each one

```
iptables -A INPUT -s 128.136.235.202 -j ACCEPT
```

```
iptables -A INPUT -s 128.136.224.0/24 -j ACCEPT
```

```
iptables -A INPUT -s 128.136.235.0/24 -j ACCEPT
```



```
[root@test ~]#  
[root@test ~]# iptables -A INPUT -s 128.136.235.202 -j ACCEPT  
[root@test ~]# iptables -A INPUT -s 128.136.224.0/24 -j ACCEPT  
[root@test ~]# iptables -A INPUT -s 128.136.235.0/24 -j ACCEPT  
[root@test ~]#
```

Other way is adding the lines direct under iptables files usually on Centos all version from 7.8 and below is located on /etc/sysconfig/iptables. In this case, you can use any editor and add the follow lines

```
-A INPUT -s 128.136.235.202 -j ACCEPT
```

```
-A INPUT -s 128.136.224.0/24 -j ACCEPT
```

```
-A INPUT -s 128.136.235.0/24 -j ACCEPT
```

Trunk

Next step Login in your Elastix system and select the option “PBX” of the Menu and after that “PBX Configuration”,

In the left panel, we going to see that we have different options for configuration select the one that says “Trunk”

Under “Trunk” option select “Add SIP Trunk” and complete with the follow parameters under option Outgoing Settings specific “PEER Details”

```
type=peer
host=sbc.questblue.com
qualify=yes
insecure=invite,port
context=from-trunk
nat=no
session-timers=false
```

Edit SIP Trunk

🗑️ Delete Trunk QB

In use by 1 route

General Settings

Trunk Name: QB

Outbound CallerID:

CID Options: Allow Any CID

Maximum Channels:

Asterisk Trunk Dial Options: Override

Continue if Busy: Check to always try next trunk

Disable Trunk: Disable

Dial Number Manipulation Rules

(prepend) + prefix | match pattern

+ Add More Dial Pattern Fields Clear all Fields

Dial Rules Wizards: (pick one)

Outbound Dial Prefix:

Outgoing Settings

Trunk Name: QB

PEER Details:

```
type=peer
host=sbc.questblue.com
qualify=yes
insecure=invite,port
context=from-trunk
nat=no
session-timers=false
```

Incoming Settings

You can check if your trunk is registered to execute Asterisk commands **sip show peers** under “Tolls”, “Asterisk-CLI”.

Routes

Once your trunk is registered you can start creating the local Outgoing under “Outbound Routes” most of the settings below work for US Local and Toll-Free Outbound see the examples

Please don't forget to select your just created QuestBlue SIP Trunk from the list “Trunk Sequence for Matched Routes”

Local Outgoing Example

The screenshot shows the Asterisk SIP Trunk configuration interface. On the left is a navigation menu with categories like 'Outbound Routes', 'Trunks', 'Inbound Call Control', 'Inbound Routes', 'DAHDI Channel DIDs', 'Announcements', 'Blacklist', 'CallerID Lookup Sources', 'Call Flow Control', 'Follow Me', 'IVR', 'Queue Priorities', 'Queues', 'Ring Groups', 'Time Conditions', 'Time Groups', 'Internal Options & Configuration', 'Conferences', 'Languages', 'Misc Applications', 'Misc Destinations', 'Music on Hold', 'PIN Sets', 'Paging and Intercom', 'Parking Lot', 'System Recordings', 'VoiceMail Blasting', 'Remote Access', 'Callback', 'DISA', 'Option', and 'Unembedded FreePBX®'. The main area is titled 'Edit Route' and shows a 'Delete Route Local_Outbound' button. Below this are 'Route Settings' and 'Additional Settings' sections. The 'Route Settings' section includes fields for Route Name (Local_Outbound), Route CID, Route Password, Route Type (Emergency, Intra-Company), Music On Hold (default), Time Group (---Permanent Route---), and Route Position (---No Change---). The 'Additional Settings' section includes Call Recording (Allow) and PIN Set (None). Below these is a section for 'Dial Patterns that will use this Route' with a table of patterns. At the bottom, there is a 'Trunk Sequence for Matched Routes' section with a dropdown menu showing '0 QB'.

Edit Route
Delete Route Local_Outbound

Route Settings

Route Name: Local_Outbound
Route CID: Override Extension
Route Password:
Route Type: Emergency Intra-Company
Music On Hold: default
Time Group: ---Permanent Route---
Route Position: ---No Change---

Additional Settings

Call Recording: Allow
PIN Set: None

Dial Patterns that will use this Route

(<input type="text"/>) + <input type="text"/>	[<input type="text"/> 1NXXNXXXXXX / <input type="text"/>	
(<input type="text"/>) + <input type="text"/>	[<input type="text"/> 311 / <input type="text"/>	
(<input type="text"/>) + <input type="text"/>	[<input type="text"/> 411 / <input type="text"/>	
(<input type="text"/> 1) + <input type="text"/>	[<input type="text"/> NXXNXXXXXX / <input type="text"/>	
(<input type="text"/>) + <input type="text"/>	[<input type="text"/> NXXXXXX / <input type="text"/>	
(prepend) + prefix	[match pattern / CallerID	

+ Add More Dial Pattern Fields

Dial patterns wizards: (pick one)
Export Dialplans as CSV: Export

Trunk Sequence for Matched Routes

0 QB

Toll Free

CallerID Lookup Sources	Route Name: Toll_Free
Call Flow Control	Route CID: <input type="text"/> <input type="checkbox"/> Override Extension
Follow Me	Route Password: <input type="text"/>
IVR	Route Type: <input type="checkbox"/> Emergency <input type="checkbox"/> Intra-Company
Queue Priorities	Music On Hold?: default
Queues	Time Group: ---Permanent Route---
Ring Groups	Route Position: ---No Change---
Time Conditions	
Time Groups	
Internal Options & Configuration	Additional Settings
Conferences	Call Recording: Allow
Languages	PIN Set: None
Misc Applications	
Misc Destinations	Dial Patterns that will use this Route
Music on Hold	(<input type="text"/>) + <input type="text"/> [18XXNXXXXXX] / <input type="text"/>
PIN Sets	(1 <input type="text"/>) + <input type="text"/> [8XXNXXXXXX] / <input type="text"/>
Paging and Intercom	(prepend) + prefix [match pattern] / CallerID
Parking Lot	+ Add More Dial Pattern Fields
System Recordings	Dial patterns wizards: (pick one)
VoiceMail Blasting	Export Dialplans as CSV: Export
Remote Access	Trunk Sequence for Matched Routes
Callback	0 QB
DISA	1
Option	
Unembedded FreePBX	