



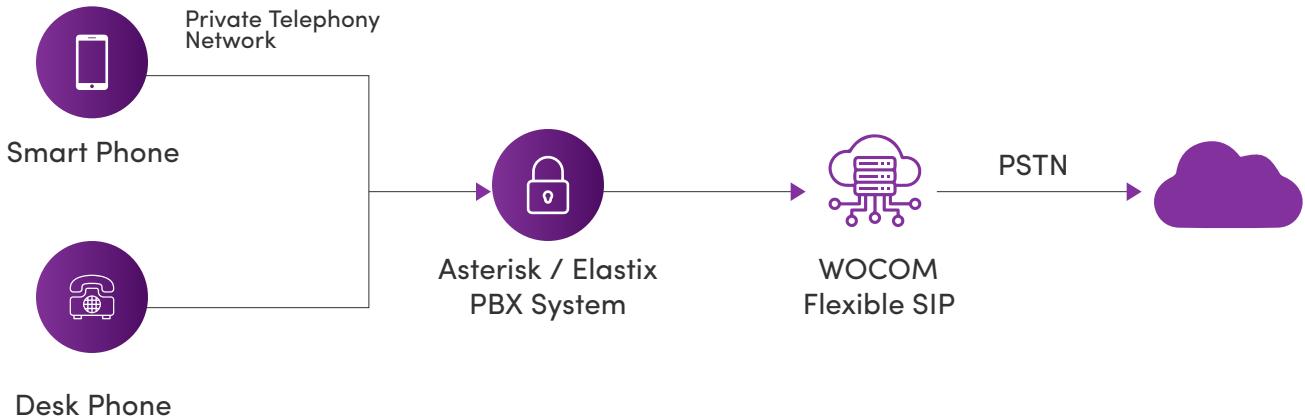
WOCOM Flexible SIP Trunk

Asterisk Quick Configuration Guide



Configuring inbound and outbound SIP trunks for an Elastix PBX involves several steps to ensure seamless communication with your WOCOM Flexible Sip Trunk. Below is a step-by-step user guide to help you set up both inbound and outbound SIP trunks on your Elastix PBX.

WOCOM Flexible Sip Trunk Network



Prior to starting, please ensure that you have the following information:

WOCOM SIP trunk information	Value
Provider Address	voip1.wocomja.com – may vary based on location
Username	Your WOCOM assigned phone number
Authenticate ID	Your WOCOM assigned phone number
Password	Your WOCOM account secret /password

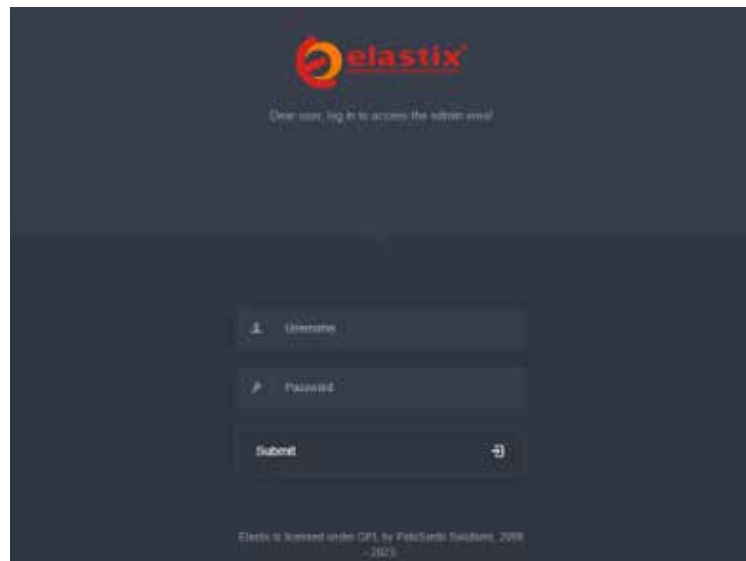
Prerequisites:

1. Access to the Elastix PBX web interface.
2. Ensure that you have the necessary Sip account details, including SIP credentials, server details, and other necessary configurations.

Configuring Outbound SIP Trunk:

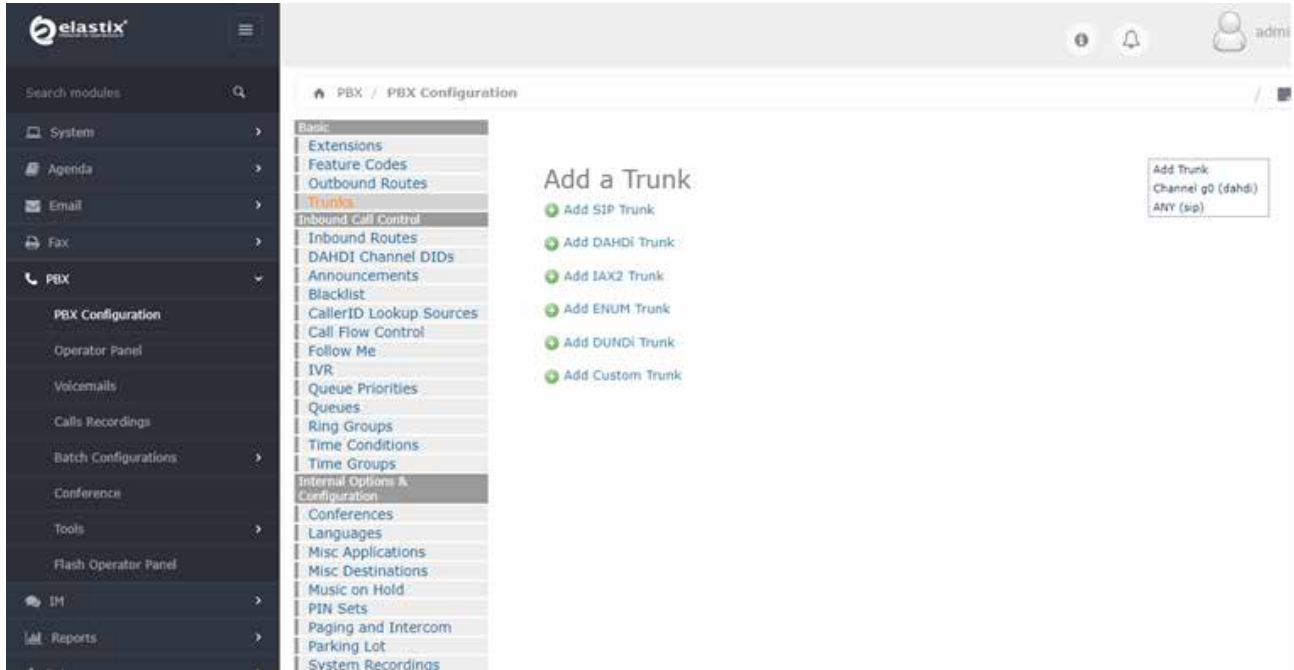
Step 1: Access Elastix Web Interface

1. Open a web browser and enter the IP address of your Elastix server.
2. Log in with your administrator credentials.



Step 2: Navigate to Outbound Trunks

1. In the Elastix web interface, go to "PBX" and select "Trunks" from the dropdown menu.
2. Click on "Add SIP Trunk" to create a new outbound trunk.



Step 3: General Settings

1. Set the "Trunk Name" to a descriptive name for your reference.
2. In the "Outbound Caller ID" field, enter the phone number or name you want to display for outgoing calls.
3. Scroll down to the "Outgoing Settings" section.
4. Enter the following information based on your WOCOM account details:

Add SIP Trunk

General Settings

Trunk Name	WOCOM-SIP
Outbound CallerID	8760000000
CID Options	Allow Any CID
Maximum Channels	
Asterisk Trunk Dial Options	<input type="checkbox"/> Override
Continue if Busy	<input type="checkbox"/> Check to always try next trunk
Disable Trunk	<input type="checkbox"/> Disable

Dialed 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: WOCOM-OUTBOUND

PEER Details

```
username=8760000000
host=voip1jm.wocomja.com
fromuser=8760000000
fromdomain=voip1jm.wocomja.com
secret=myspassword
type=peer
context=WOCOM
insecure=very
qualify=yes
nat=yes
allow=ulaw
allow=alaw
allow=G729
dtmfmode=rfc2833
```


Configuring Outbound SIP Trunk:


1. In the "Registration and Authentication" section, provide the necessary details:

```
username=<Your Assigned 876 Phone Number>
host=voip1jm.wocomja.com
fromuser=<Your Assigned 876 Phone Number>
fromdomain= voip1jm.wocomja.com
secret=<your provided secret>
type=peer
context=WOCOM
insecure=very
qualify=yes
nat=yes
allow=ulaw
allow=alaw
allow=G729
dtmfmode=rfc2833
```

Step 4: Navigate to Incoming Settings


1. Enter a Name into the User Context: e.g. WOCOM-INBOUND
2. In the registration string field, you are required to enter your assigned phone number and password

USER Context  :

USER Details  :

```
secret=***password***
type=user
context=from-trunk
```

Registration

Register String  :

Ensure that you replace the registration string with your assigned phone number and your-secret with the assigned password provided upon service activation.

8760000000:your-secret@voip1jm.wocomja.com:5060

Click "Submit Changes" and then click "Apply Config" to save your inbound route configuration.

Configuring Outbound Calling Permissions

1. Navigate to Outbound Routes & Select Add Routes
2. Enter a Route name: Outbound-Calling
3. Enter a list of Dial Patterns based on the destinations allowed
4. Select the previously configured SIP Trunk as the terminating provider
5. Select Submit Changes & Apply Config using the top red bar that appears

876. – permit numbers beginning with 876 + trailing digits
658. – permit numbers beginning with 658 + trailing digits

1. – permit numbers beginning with 1 followed by training digits, e.g. USA & Canada
011. – per digits beginning with 011 + training digits, e.g. UK & Europe

Add Route

Route Settings

Route Name [?]:

Route CID [?]: Override Extension [?]

Route Password [?]:

Route Type [?]: Emergency Intra-Company

Music On Hold [?]:

Time Group [?]:

Route Position [?]:

Additional Settings

Call Recording [?]:

PIN Set [?]:

Dial Patterns that will use this Route [?]

(prepend)	+	prefix		[876.	/	CallerID]	
(prepend)	+	prefix		[658.	/	CallerID]	
(prepend)	+	prefix		[011.	/	CallerID]	

+ Add More Dial Pattern Fields

Dial patterns wizards [?]:

Trunk Sequence for Matched Routes [?]

0

1

2

Optional Destination on Congestion [?]

Normal Congestion



Step 5: Configuring inbound Routes

1. Navigate to Inbound Routes
2. Enter your WOCOM assigned phone number within the "Description" field
3. Enter the assigned phone number within the "DID Number" field
4. Navigate to Set Destination, and select the destination type from the drop-down menu
5. Choose the appropriate destination and select save. then apply to save the current configuration

Add Incoming Route

Add Incoming Route

Description [?]:

DID Number [?]:

CallerID Number [?]:

CID Priority Route [?]:

Options

Alert Info [?]:

CID name prefix [?]:

Music On Hold [?]:

Signal RINGING [?]:

Pause Before Answer [?]:

Privacy

Privacy Manager [?]:

Call Recording

Privacy Manager [?]:

Call Recording

== choose one ==

Announcements

Call Flow Control

Call Recording

Callback

Conferences

Custom Applications

DISA

Extensions

Feature Code Admin

IVR

Languages

Misc Destinations

Paging and Intercom

Phonebook Directory

Queue Priorities

Queues

Ring Groups

Terminate Call

Time Conditions

== choose one ==

Submit

Clear Destination & Submit



Final Steps:

1. Ensure that your firewall allows traffic on the SIP signaling port (default is 5060) and the RTP media ports. It is highly recommended to disable SIP ALG for more stable operation.

Your Elastix PBX should now be configured with both outbound and inbound SIP trunks. Test the configuration by making and receiving calls to ensure proper functionality. Make sure to consult WOCOM technical support department for additional documentation for any specific requirements or additional configurations.

Step 6: Testing the SIP Trunk

1. Ensure that extensions and phones are registered with your Elastix/ Asterisk PBX.
2. Place test calls to verify the functionality of the newly created Flexible SIP trunk.

Congratulations! You have successfully configured WOCOM Flexible SIP trunk on your Elastix/ Asterisk PBX. For any additional assistance, refer to the Elastix/ Asterisk documentation or contact WOCOM Technical Support Department.

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