Provider SignalWire (US)


Inbound and outbound works globally. Config files also available at: https://www.twilio.com/docs/sip-trunking/sample-configuration#freeswitch.

Add the SignalWire IP addresses into the domain section under `autoload_configs/acl.conf.xml` you can `nslookup sip.signalwire.com`

```xml
<configuration name="acl.conf" description="Network Lists">

Registration: /usr/local/freeswitch/conf/sip_profiles/external/

```xml
<include>
  <gateway name="signalwire-outbound">
    <param name="username" value="---user---" />
    <param name="password" value="---password---" />
    <param name="proxy" value="example.signalwire.com" />
    <param name="register" value="false" />
  </gateway>
  <gateway name="signalwire-inbound">
    <param name="username" value="---user---" />
    <param name="password" value="---password---" />
    <param name="proxy" value="example.signalwire.com" />
    <param name="register" value="false" />
    <param name="dtmf-type" value="rfc2833" />
    <param name="context" value="public" />
  </gateway>
</include>

Inbound calling: /usr/local/freeswitch/conf/dialplan/public/

```xml
<include>
  <extension name="public_did">
    <condition field="destination_number" expression="^\+15550000000$">
      <action application="set" data="domain_name=$${domain}" />
      <action application="playback" data="phrase:greeting" />
      <action application="transfer" data="1000 XML default" />
    </condition>
  </extension>
</include>

Outbound calling: /usr/local/freeswitch/conf/dialplan/default/

```xml
<include>
  <extension name="twilio-outbound">
    <condition field="destination_number" expression="^[1(0,1]\d(10)1]+$">
      <action application="set" data="effective_caller_id_number=+15550000000" />
      <action application="set" data="effective_caller_id_name=${outbound_caller_id_name}" />
      <action application="bridge" data="sofia/gateway/signalwire-outbound/+101" />
    </condition>
  </extension>
</include>

Send any SMS from Dialplan to your smartphone, notifying you of various things that happening.
<extension name="signalwire sms curl">
  <condition field="destination_number" expression="^767$">
    <!-- setup bleg uuid of this call so we we know it before hand -->
    <action application="set" inline="true" data="bleg_uuid=${create_uuid()}"/>

    <!-- setup signalwire credentials -->
    <action application="set" inline="true" data="space_name=XXXXXX"/>
    <action application="set" inline="true" data="project_key=XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX"/>
    <action application="set" inline="true" data="api_token=PTXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"/>

    <!-- not using '+' here, just the 11 digit number itself, see curl line below -->
    <action application="set" inline="true" data="signalwire_number=18005551212"/>
    <action application="set" inline="true" data="cellphone=18885559999"/>

    <!-- urlencode your 'spaces' to '%20' so the text body will work in the url, may need to consider other untested punctuation -->
    <action application="set" inline="true" data="sms_body=${system(printf 'aleg $uuid is calling bleg $bleg_uuid' | sed -r 's/ /%20/g')}"/>

    <!-- We need to base64 encode the basic authorization for curl request-->
    <action application="set" inline="true" data="auth=${system(printf '${project_key}:${api_token}' | base64 --wrap 0)}"/>

    <!-- notice for E.164 formatting we encode the '+' to '%2B' for the 'From' and 'To' params on the URL, and must send as post -->
    <action application="curl" data="https://${space_name}.signalwire.com/api/laml/2010-04-01/Accounts/${project_key}/Messages.json?From=%2B${signalwire_number}&To=%2B${cellphone}&Body=${sms_body} append_headers Authorization:'basic ${auth}' post"/>

    <action application="answer"/>
    <action application="bridge" data="{origination_uuid=${bleg_uuid}}user/1004"/>
  </condition>
</extension>