

Redirecting an audio file to a SIP call using /call/inject_sound

1. For the test we use:

- two SIP accounts;
- a softphone to answer the call;
- the [REST client](#) of the Chrome browser.

2. On the WCS server create a directory: /usr/local/FlashphonerWebCallServer/media. Put a file in the RIFF WAV format there, for example test.wav.

3. Open the [REST client](#). Send the /call/startup query to the WCS server and specify in its parameters:

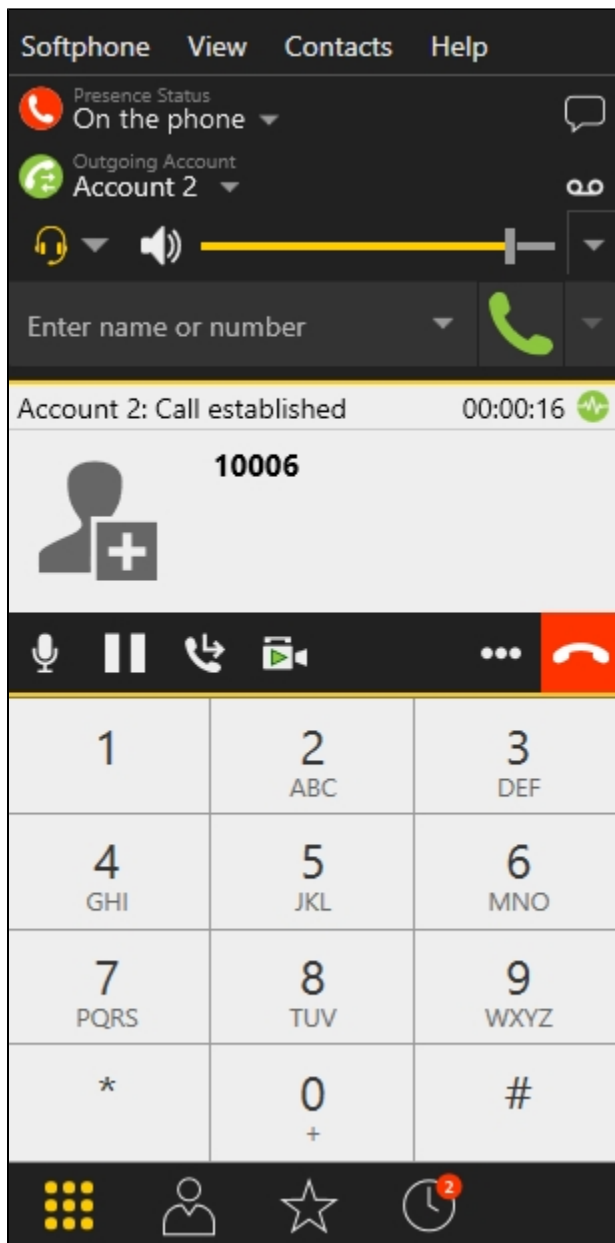
- parameters of your SIP account the call is made from;
- the name of your second SIP account the call is made to.

The screenshot shows a REST client interface with the following details:

- Method:** POST
- Request URL:** http://test2.flashphoner.com:9091/rest-api/call/startup
- Parameters:** Expanded to show Headers, Body, and Variables tabs. The Body tab is selected.
- Body content type:** application/json
- Editor view:** Raw input
- JSON Body:**

```
{
  "callId": "12345678910",
  "callee": "10005",
  "hasAudio": "true",
  "hasVideo": "true",
  "sipLogin": "10006",
  "sipAuthenticationName": "10006",
  "sipPassword": "*****",
  "sipDomain": "yourdomain.net",
  "sipOutboundProxy": "yourdomain.net",
  "sipPort": "5060",
  "appKey": "defaultApp",
  "sipRegisterRequired": "true"
}
```

4. Receive the call in the softphone:



5. From the REST-client send the /call/inject_sound query to the WCS server and specify in the query's parameters:

- the identifier of the call;
- the name of the applied audio file (test.wav).

Method

POST

Request URL

http://test2.flashphoner.com:9091/rest-api/call/inject_sound

SEND

Parameters ^

Headers

Body

Variables

Body content type

application/json

Editor view

Raw input

FORMAT JSON

MINIFY JSON

```
{
  "callId": "12345678910",
  "fileName": "test.wav"
}
```

6. Make sure the softphone plays the test file.

7. To terminate the call, click the corresponding button in the softphone.

Known issues

1. There is no sound when injecting file to a call stream.

Symptoms: REST API query was correct with response code 200 OK, but there is no sound from file in the stream.

Solution:

a) in [flashphoner.properties](#) file set the following parameter

```
generate_av_for_ua=all
```

b) in softphone settings specify a STUN server address, for example

```
stun.l.google.com:19302
```

on the appropriate page of SIP account settings

Account Voicemail **Topology** Presence Transport Advanced

Firewall Traversal

Firewall traversal method:

- ☒ Auto-detect firewall traversal method using ICE (recommended)
- ☐ Discover public IP address (STUN)
- ☐ Use media relay (TURN)
- ☐ None

Server address:

User name:

Password:

Port Ranges

☐ Range of ports used for signaling -

☐ Range of ports used for RTP Audio: -

Video: -