

Redirecting a stream to a SIP call using /call/inject_stream

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Redirecting a stream published on server

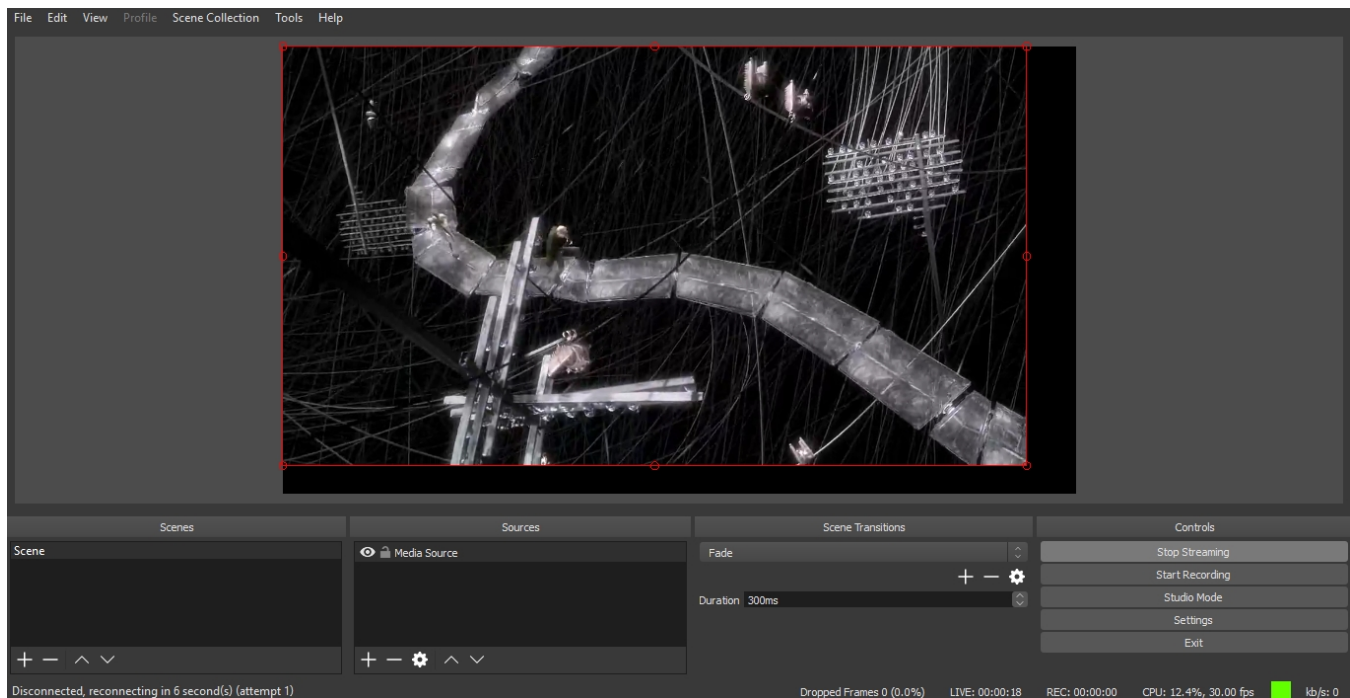
1. For the test we use:

- two SIP accounts;
- a softphone to answer to the call;
- the [REST client](#) of the Chrome browser;
- the program to broadcast an RTMP stream, OBS Studio.

2. Run the RTMP stream broadcast program. Configure and start broadcasting to your WCS server using the following parameters:

URL of the server: <http://demo.flashphoner.com:1935/live/>

Stream key: obsStream



3. Open the REST client. Send the /call/startup query to the WCS server, and in the query parameters specify the following:

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

Method

Request URL

POST

http://p12.flashphoner.com:9091/rest-api/call/startup

SEND

Parameters ^

Headers

Body

Variables

Body content type

application/json

Editor view

Raw input

FORMAT JSON

MINIFY JSON

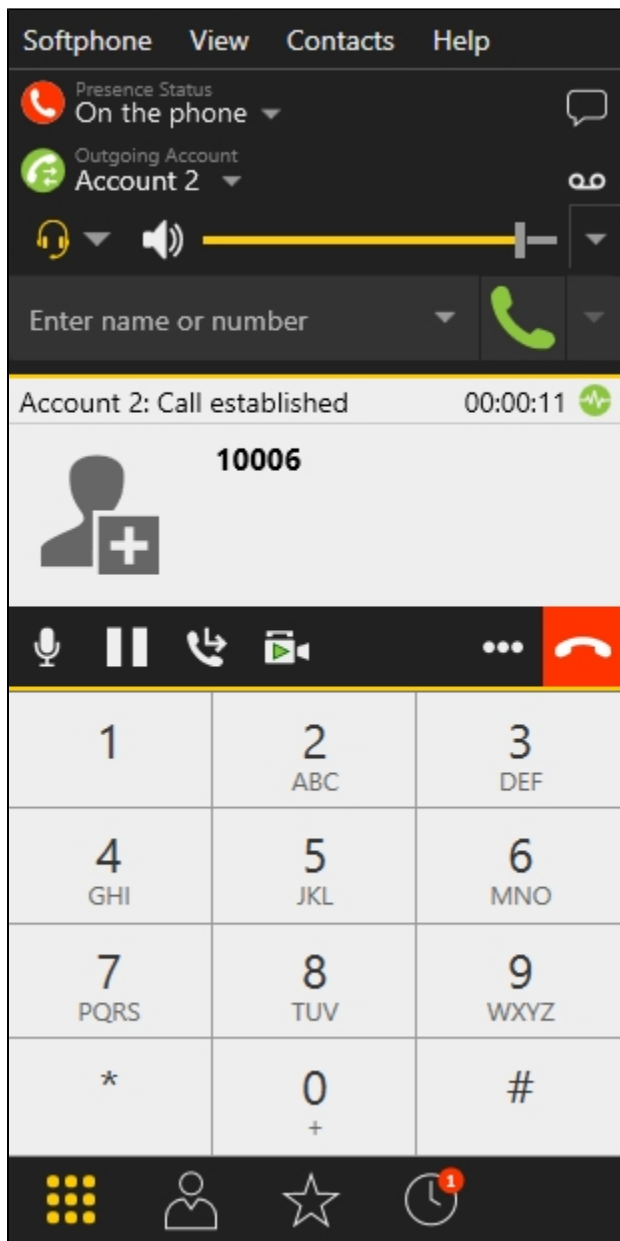
```
{  "callId": "12345678913",  "callee": "10005",  "toStream": "call_stream1",  "hasAudio": "true",  "hasVideo": "true",  "sipLogin": "10006",  "sipAuthenticationName": "10006",  "sipPassword": "*****",  "sipDomain": "domain.net",  "sipOutboundProxy": "domain.net",  "sipPort": "5060",  "appKey": "defaultApp",  "sipRegisterRequired": "true"}
```

200 OK

28.50 ms

DETAILS v

4. Receive the call in the softphone:



5. From the REST client send the /call/inject_stream query to the WCS server and specify the following parameters:

- the identifier of the call;
- the name of the broadcast stream (obsStream).

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

- Method:** POST
- Request URL:** http://p12.flashphoner.com:9091/rest-api/call/inject_stream
- Parameters:** A tabbed interface with three sections: Headers, Body (selected), and Variables.
- Body content type:** application/json
- Editor view:** Raw input
- Body content:**

```
{  "callId": "12345678913",  "streamName": "obsStream"}
```
- Buttons:** FORMAT JSON and MINIFY JSON are located above the body editor.
- Actions:** A blue SEND button and a three-dot menu icon are in the top right corner.

Make sure the audio track of the broadcast can be heard in the softphone.

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

Injecting stream from file

[VOD stream](#) from file can be injected to SIP call. If there is video in file, and hasVideo parameter set for the call, video also will be injected. To do this, file name should be set as stream name:

```
{  "callId": "123456711",  "streamName": "vod://file.mp4"}
```

Stopping stream injection

To stop stream injection to SIP call, send the followin REST query

```
/call/inject_stream/terminate{  "callId": "123456711"}
```