

# Republishing to Youtube

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## Preparing to the test

1. For the test we use:

- the demo server at [demo.flashphoner.com](http://demo.flashphoner.com);
- the [Two Way Streaming](#) web app to publish streams;
- the Chrome browser and the [REST-client](#) to send REST queries.

## Preparing to broadcasting to Youtube

2. Create a broadcast on Youtube (we assume you have activated the corresponding section in your Youtube account and successfully verified and approved the account). Copy the URL of the server and the stream key from the "Encoder settings" section:

The screenshot shows the YouTube Live Stream setup interface. The 'BASIC INFO' tab is active, displaying the following fields:

- Title:** Test
- Description:** Live stream test
- Schedule next stream:** ☐
- Category:** Howto & Style
- Privacy:** Unlisted
- Advanced settings:** (link)

The 'ENCODER SETUP' tab is also visible, displaying the following fields:

- Server URL:** rtmp://a.rtmp.youtube.com/live2
- Stream name/key:** (masked with dots)

3. In the WCS settings file, flashphoner.properties, add the following line:

rtmp\_transponder\_stream\_name\_prefix=


Restart WCS.

## Running a broadcast from a web camera to the WCS server


4. Open the Two Way Streaming web application. Click the Connect button, then specify the stream key from Youtube under the "Local" window, then click Publish:

### Two-way Streaming

Local



Player



PUBLISHING

ESTABLISHED

## Stream republishing configuration

5. Open the [REST client](#). Send the /push/startup query to the WCS server and in the query parameters specify the stream key in the "streamName" parameter and the Youtube server URL in "rtmpUrl":

Method

POST

Request URL

http://test1.flashphoner.com:9091/rest-api/push/startup

SEND

Parameters ^

Headers

Body

Variables

Body content type

application/json

Editor view

Raw input

FORMAT JSON MINIFY JSON

```
{
  "streamName": "r2xs-4dvh-d9ct-72ec",
  "rtmpUrl": "rtmp://a.rtmp.youtube.com/live2"
}
```

200 OK 160.80 ms

DETAILS

```
{
  "mediaSessionId": "mh6feila80ejkdrp46njttvui",
  "streamName": "r2xs-4dvh-d9ct-72ec",
  "rtmpUrl": "rtmp://a.rtmp.youtube.com/live2",
  "width": 320,
  "height": 240,
  "muted": false,
  "soundEnabled": false,
  "options": {}
}
```

## Checking if Youtube receives the stream

6. On the broadcast settings page click "Advanced". On the advanced settings page, in the right corner click "View on Watch page" button:

 Info and Settings

 Cards

 Live Dashboard

View on Watch Page



Test

Cancel

Save changes

7. The watch page opens:



YouTube<sup>RU</sup>

Search



Test

Unlisted