



# LIVEKIT OBS CONFIGURATION



## INFO:

- The document describes the primary configuration process (encoding, bitrate, resolution, and framerate settings) for streaming using OBS Studio;
- Additionally, the document includes information on configuring a plugin that enables restreaming to multiple streaming platforms;

## PREREQUISITES:

- Installed OBS Studio with version no lower than 30.1 [Download link](#)
- Installed restreaming plugin [Download link](#)

## GENERAL INFORMATION

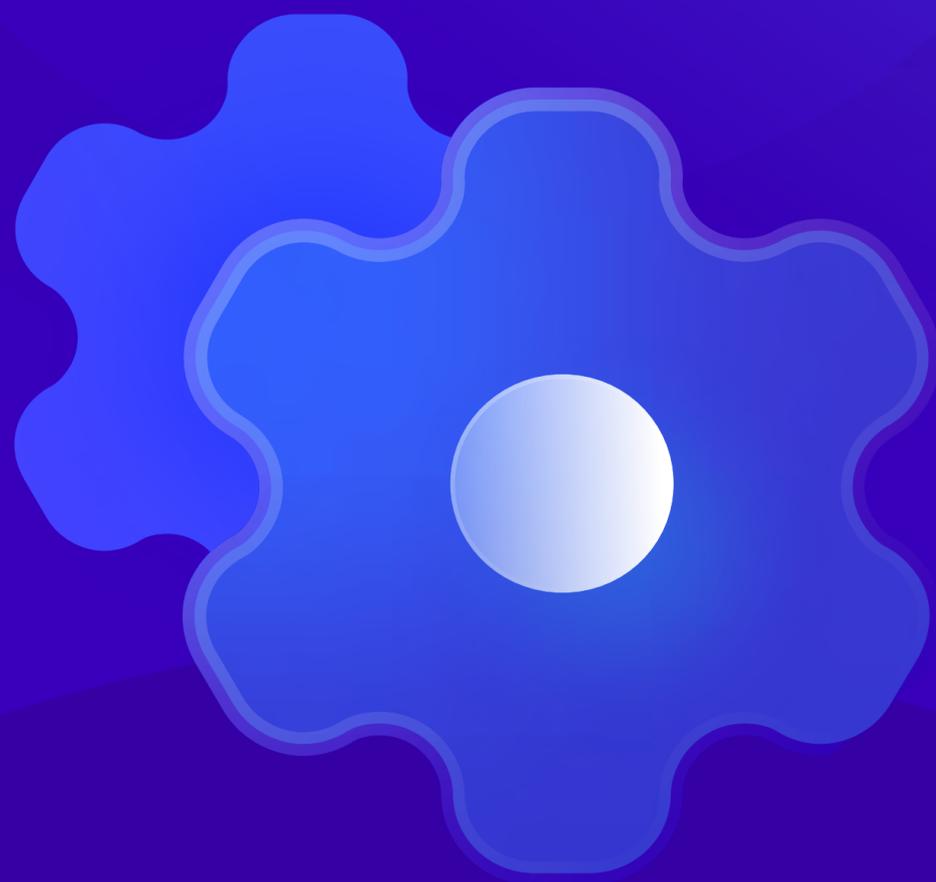
CopyStake as a product can be used without involving external streaming platforms, however, restreaming to popular platforms provides an opportunity to attract new participants to the operator's website.

The main OBS Studio configuration is specifically related to streaming platforms in the below combinations. This ensures a smooth transition for the streamer to additional activities such as streaming in CopyStake.

## COPYSTAKE PARAMETERS

Parameter	Value
Video Encoder	x264/NVIDIA NVENC
Resolution	1280x720
Bitrate	1500 kbps
Rate Control	CBR
Framerate	30 fps
Keyframe Interval	0 seconds
Preset	veryfast
Profile	Main
Tune	zerolatency
Audio Bitrate	160 kbps

# CONFIGURATION



## TWITCH & COPYSTAKE

Twitch configuration recommendations: [Broadcasting Guidelines](#)

As an example will be considered the most popular configuration profile:

Parameter	Value
Video Encoder	x264/NVIDIA NVENC
Resolution	1980x1080
Bitrate	4500 kbps
Rate Control	CBR
Framerate	30 fps
Keyframe Interval	2 seconds
Preset	veryfast
Profile	Main

## KICK & COPYSTAKE

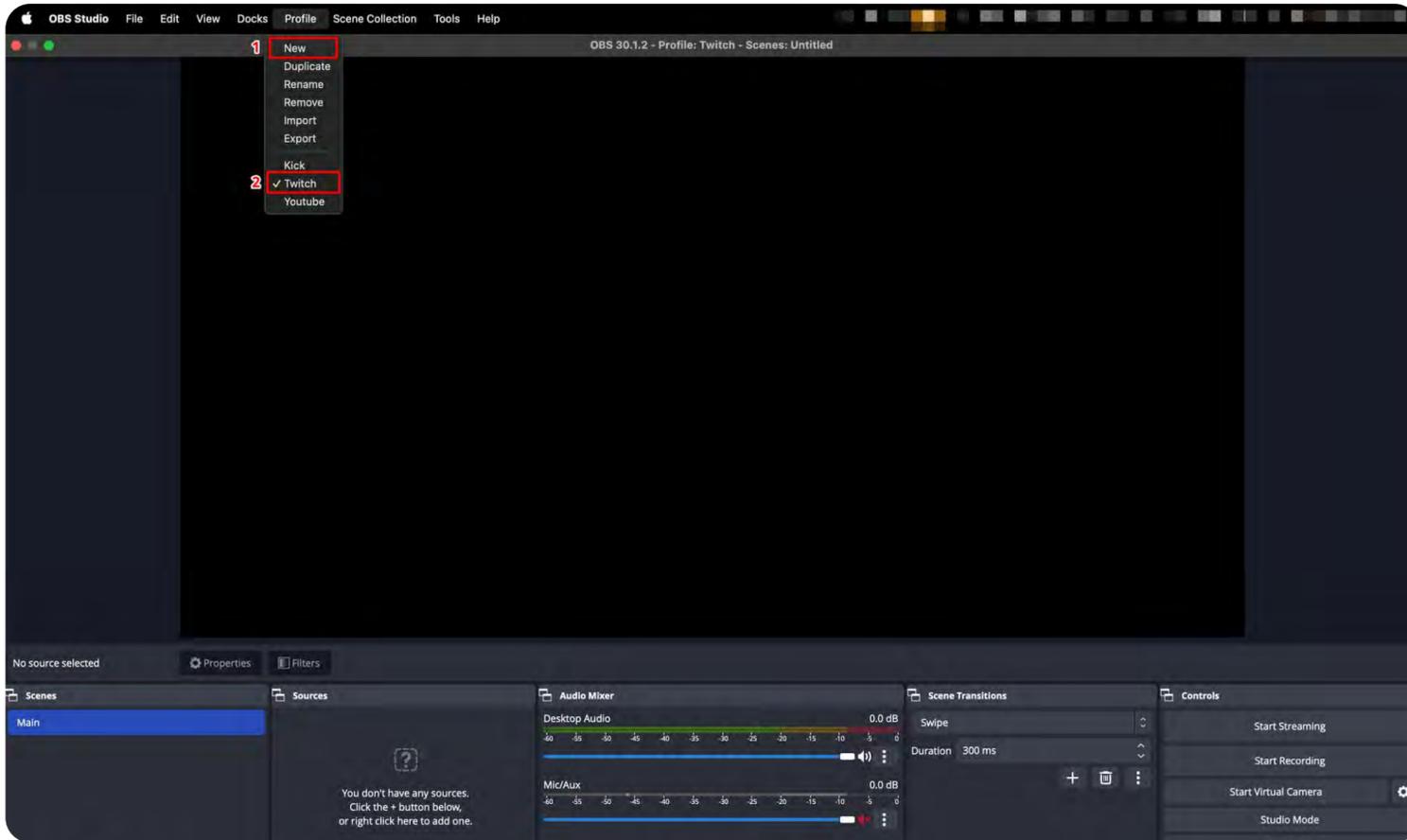
Kick configuration recommendations: [Broadcasting Guidelines](#)

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## Step 0 (recommendation)

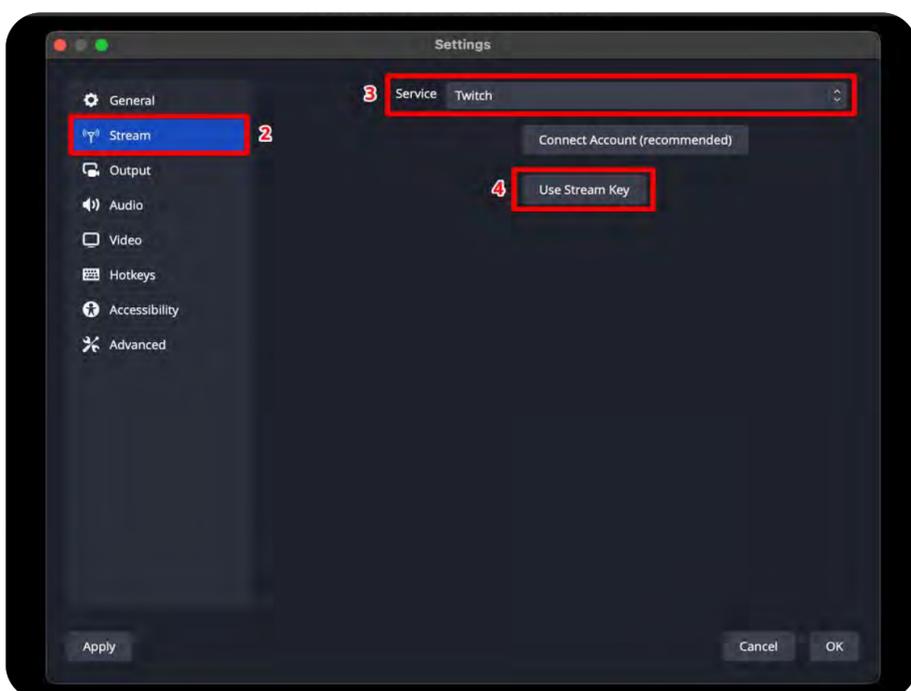
Create a new OBS Studio profile for easy switching between different streaming platforms.



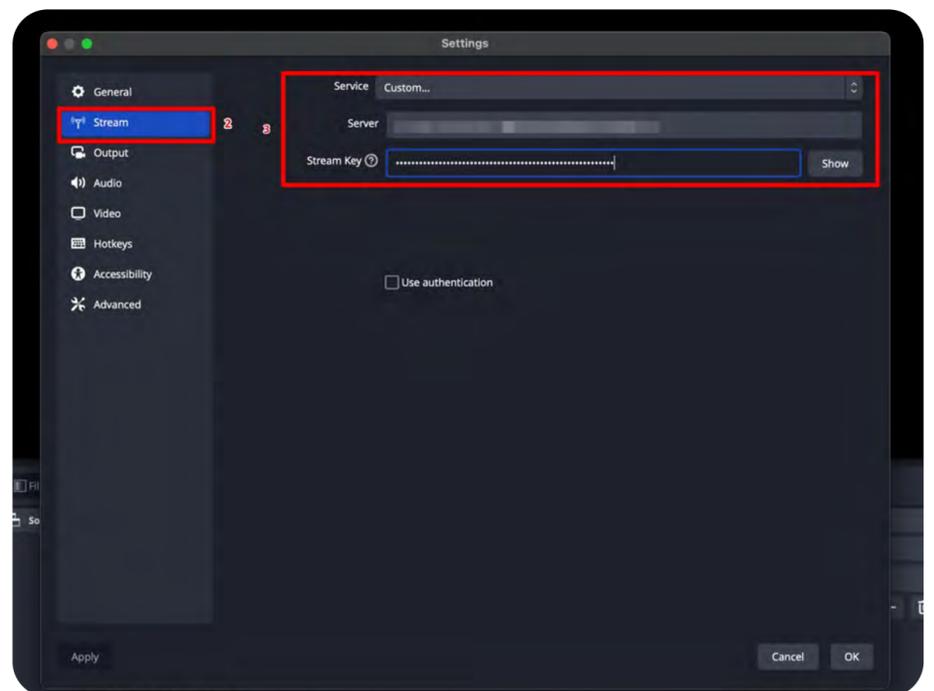
## Step 1

Navigate to the settings page and select the streaming service

For Twitch

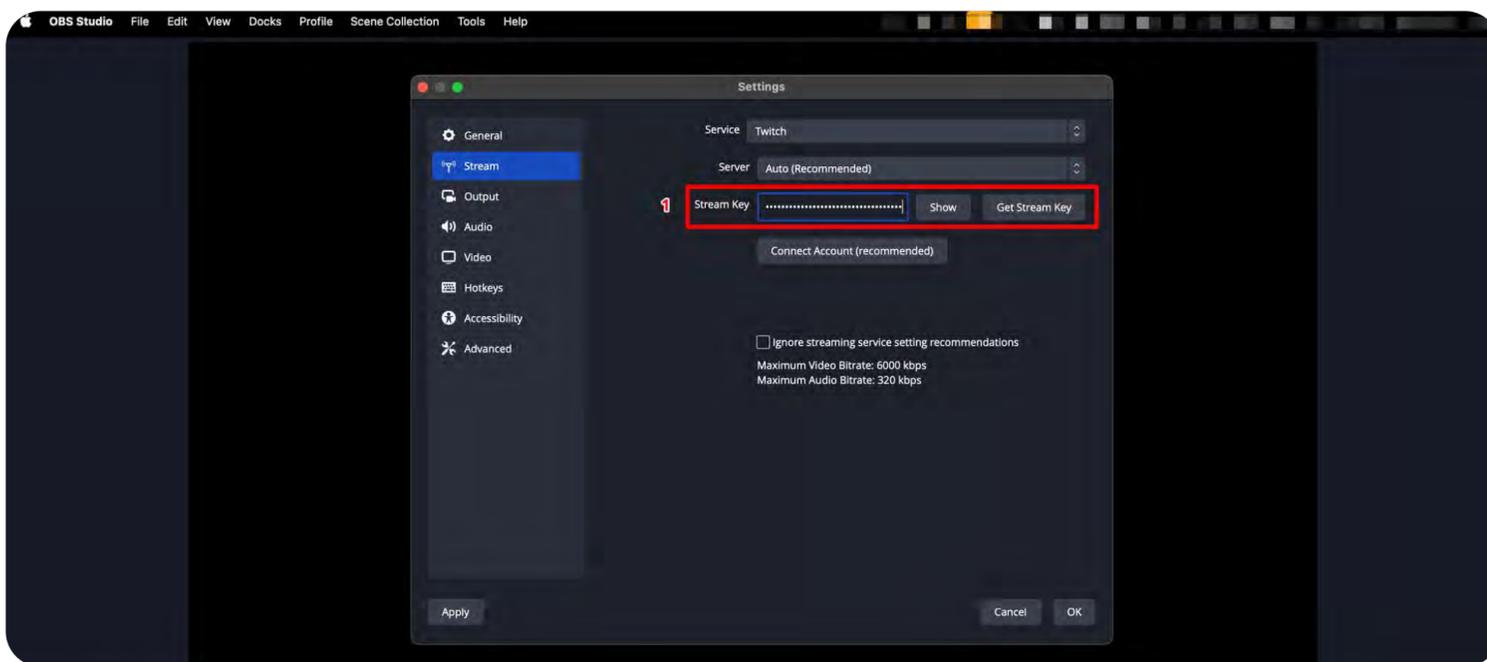
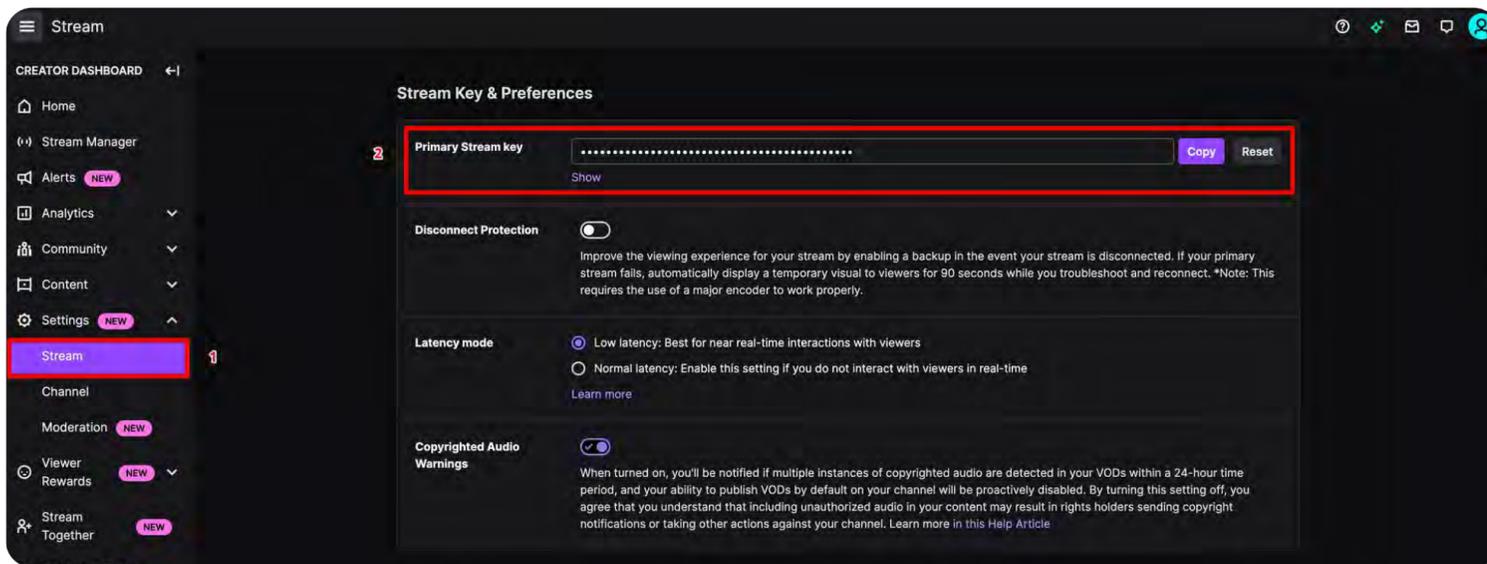


For Kick



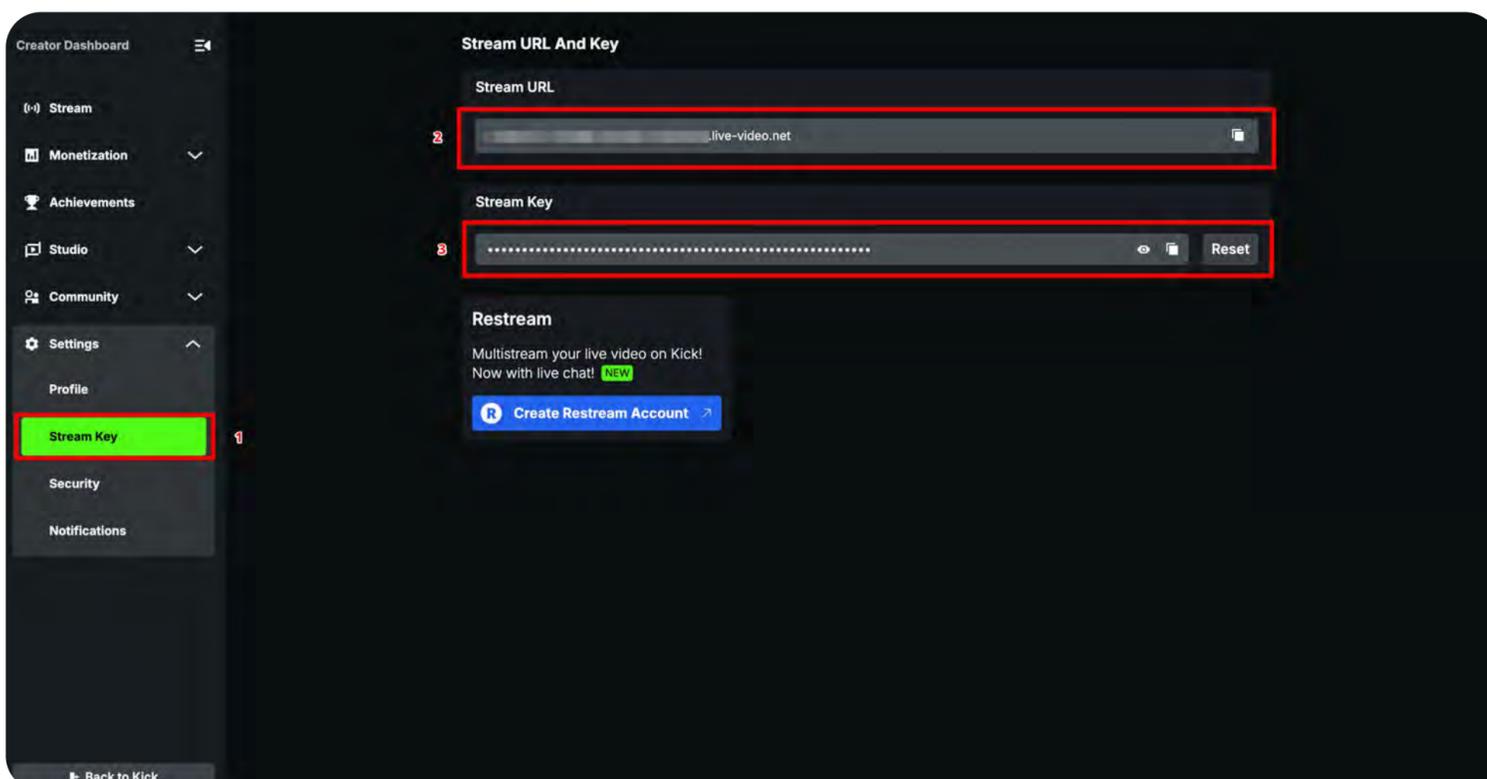
## Step 2.1 For Twitch

Retrieving the stream key from the Twitch platform



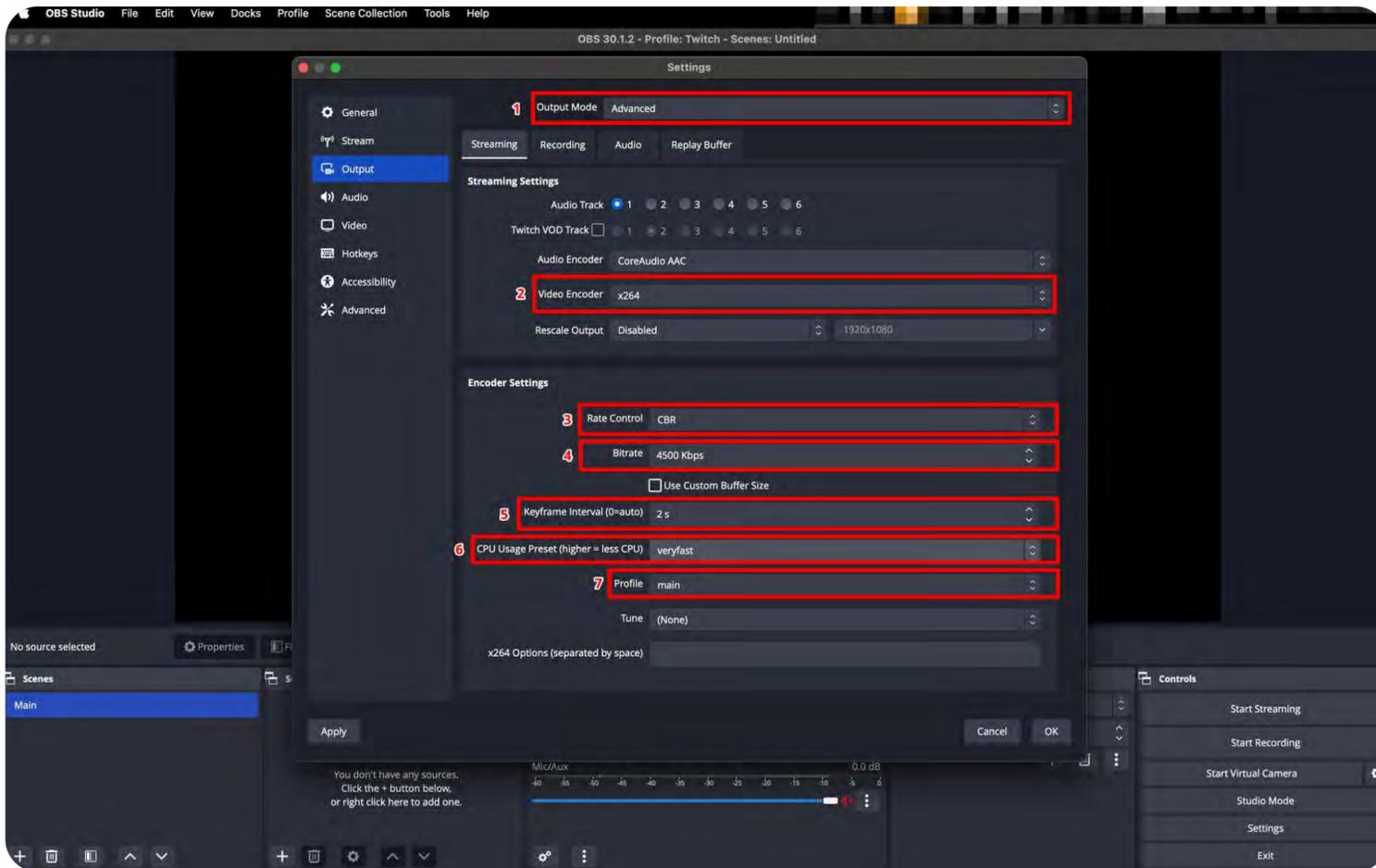
## Step 2.2 For Kick

Retrieving the stream key from the Kick platform and set into Stream configuration (see above)



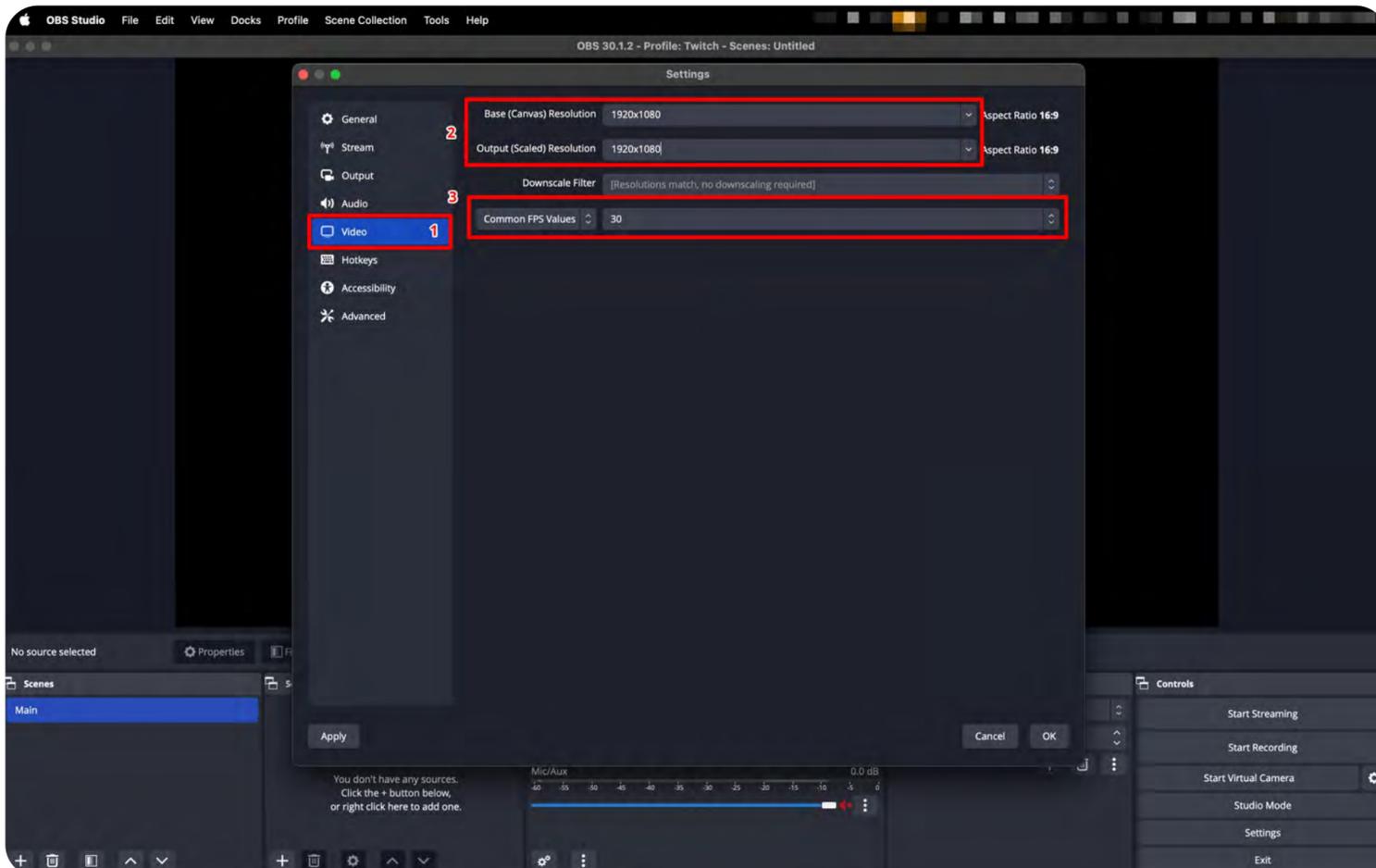
### Step 3

Setting the recommended Output parameters (Bitrate, Rate Control, Keyframe Interval, Preset, Profile)



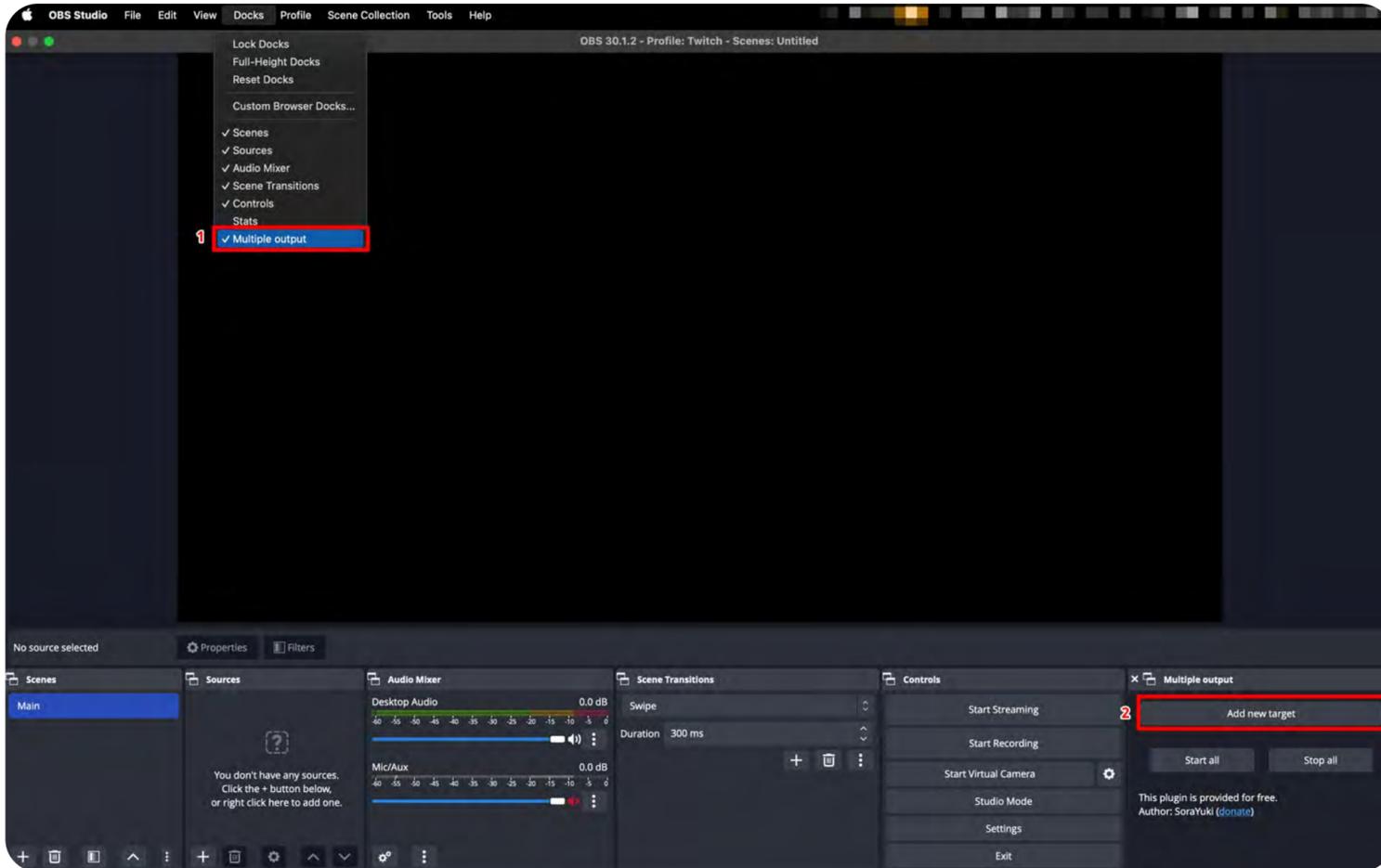
### Step 4

Setting the recommended Video parameters (Resolution, Framerate)



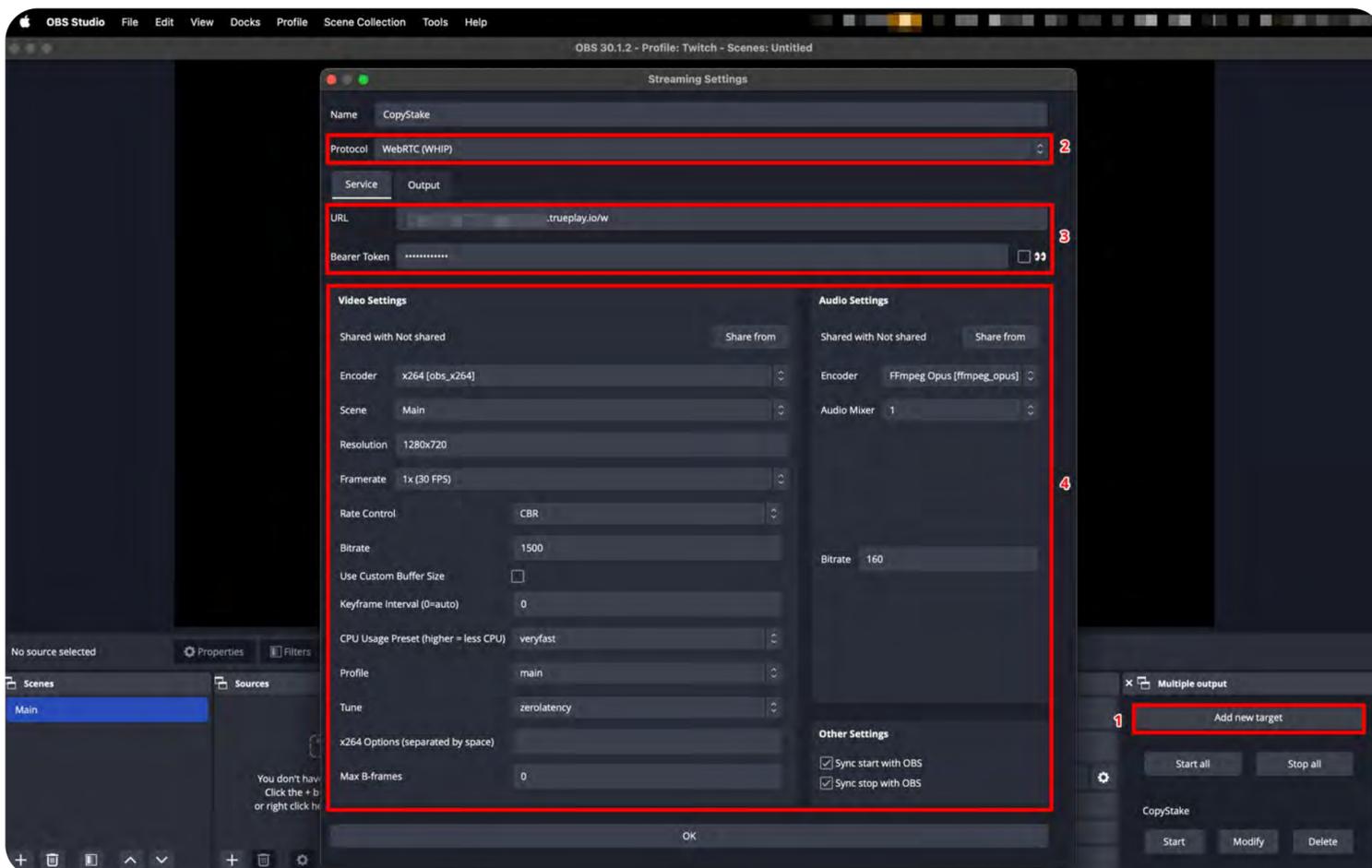
## Step 5

To set the video stream parameters for CopyStake, we will need to enable an OBS Multi RTMP plugin



## Step 6

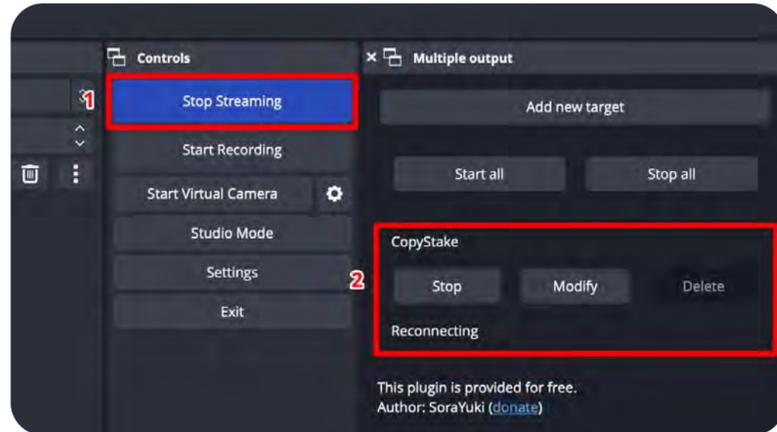
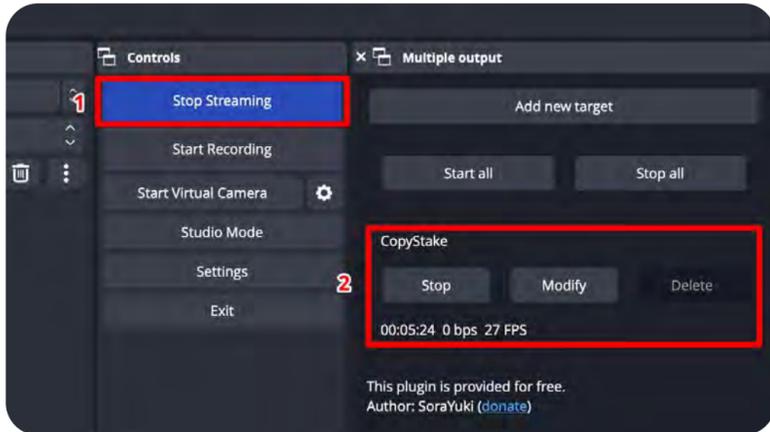
Setting the recommended CopyStake parameters in OBS Multi RTMP



# COMMON ISSUE

## 1. Reconnecting message

**Description:** after starting the stream in OBS Studio, information about reconnecting is constantly displayed, alternating with frame rate information (an example is shown in the image);

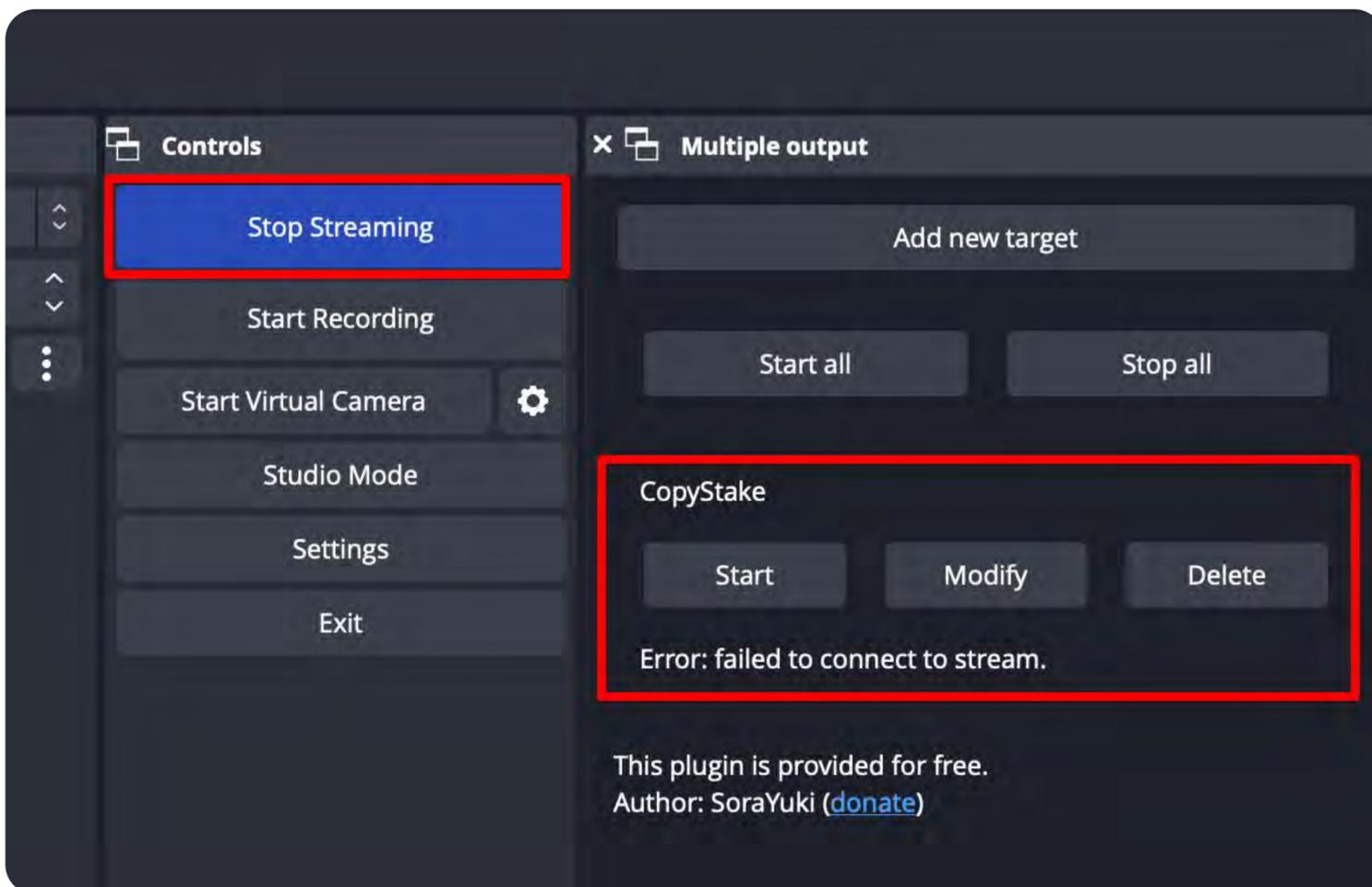


**Cause:** the stream is not started in the CopyStake application;

**Solution:** open the profile page in CopyStake and click "Start Stream".

## 2. Failed to connect to stream

**Description:** after starting the stream in OBS Studio, a connection issue is displayed;



**Cause:** the most likely reason is an incorrect URL or Stream Key (Bearer Token);

**Solution:** contact the operator's support team.