

onnetwork.tv

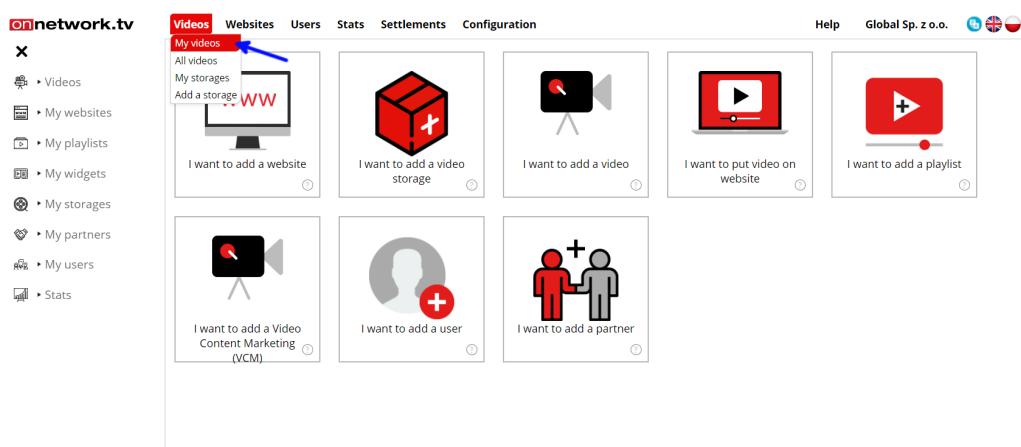
Live stream

Live stream broadcast means displaying to the users picture or sound delivered by operator from the camera or multimedia console with minimum delay (few second usually).

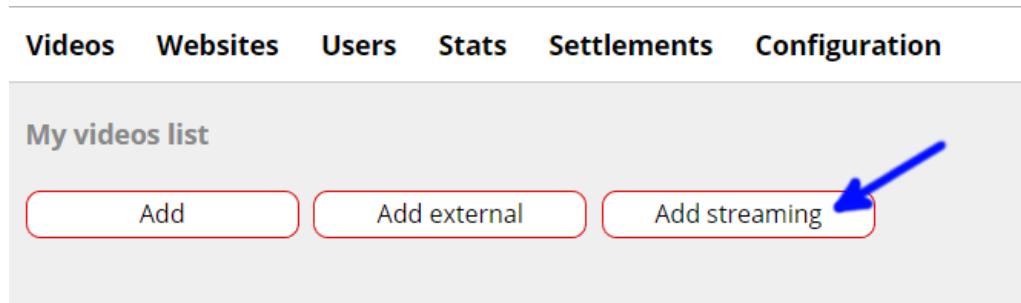
To activate live stream option on your account get in touch with your Onnetwork contact person. After activation live stream option to start working with it embed tag of Onnetwork's player on the website.

1. First, please select tab My Videos.

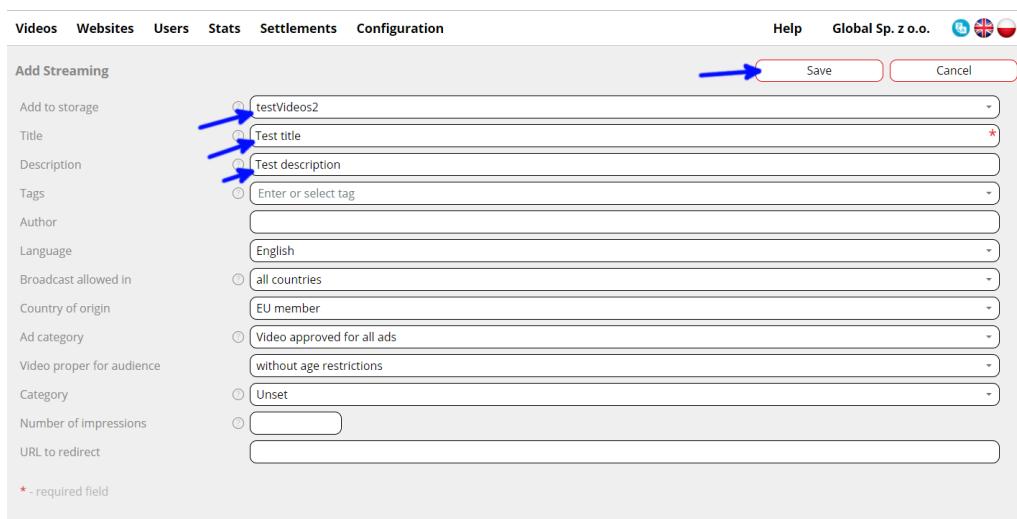
Click here to scroll to the livestream with timeshift and video cut.



2. In My Videos click ADD STREAMING



3. After that fill in the mandatory fields (shown by arrows) and click SAVE



Videos Websites Users Stats Settlements Configuration Help Global Sp. z o.o. 

Add Streaming

Add to storage: testVideos2

Title: Test title

Description: Test description

Tags: Enter or select tag

Author:

Language: English

Broadcast allowed in: all countries

Country of origin: EU member

Ad category: Video approved for all ads

Video proper for audience: without age restrictions

Category: Unset

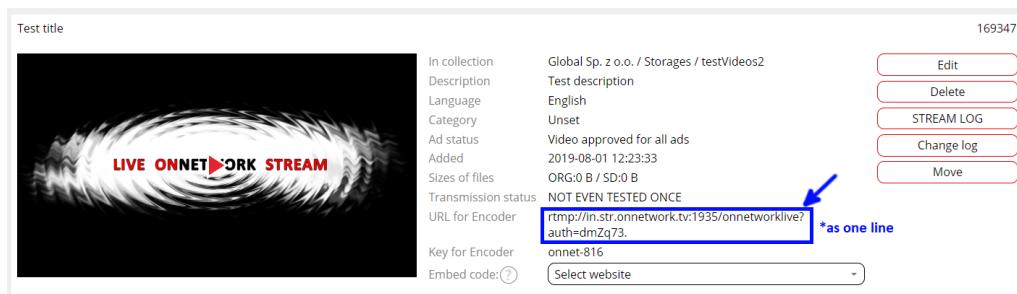
Number of impressions:

URL to redirect:

* - required field

4. Material for streaming is ready and you can get two mandatory parameters needed for encoder: url and key (as marked on the picture)

URL for Encoder (it is enough for majority of encoders, copy/paste it)



Test title 169347

In collection: Global Sp. z o.o. / Storages / testVideos2

Description: Test description

Language: English

Category: Unset

Ad status: Video approved for all ads

Added: 2019-08-01 12:23:33

Sizes of files: ORG:0 B / SD:0 B

Transmission status: NOT EVEN TESTED ONCE

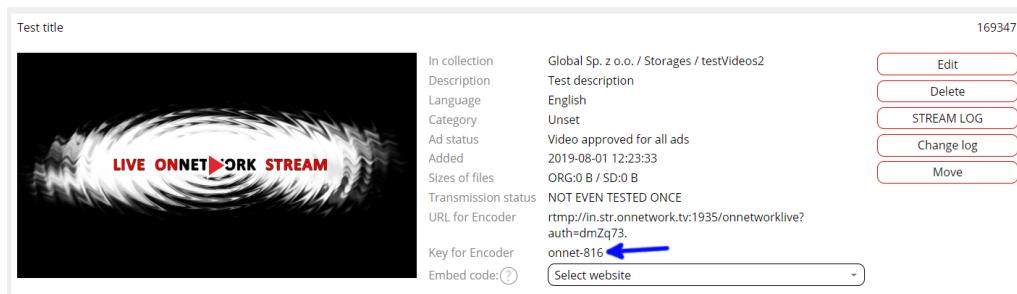
URL for Encoder: *as one line

Key for Encoder:

Embed code: 

Select website

Key for encoder (not always needed, if yes just copy/paste it)



Test title 169347

In collection: Global Sp. z o.o. / Storages / testVideos2

Description: Test description

Language: English

Category: Unset

Ad status: Video approved for all ads

Added: 2019-08-01 12:23:33

Sizes of files: ORG:0 B / SD:0 B

Transmission status: NOT EVEN TESTED ONCE

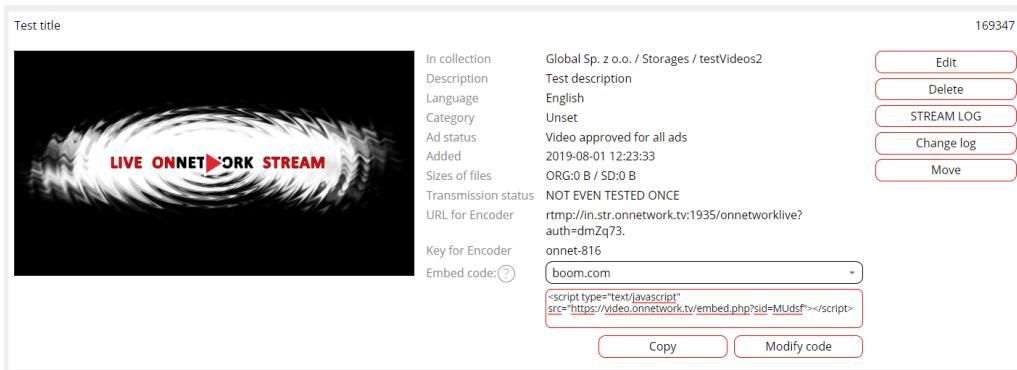
URL for Encoder:

Key for Encoder: 

Embed code: 

Select website

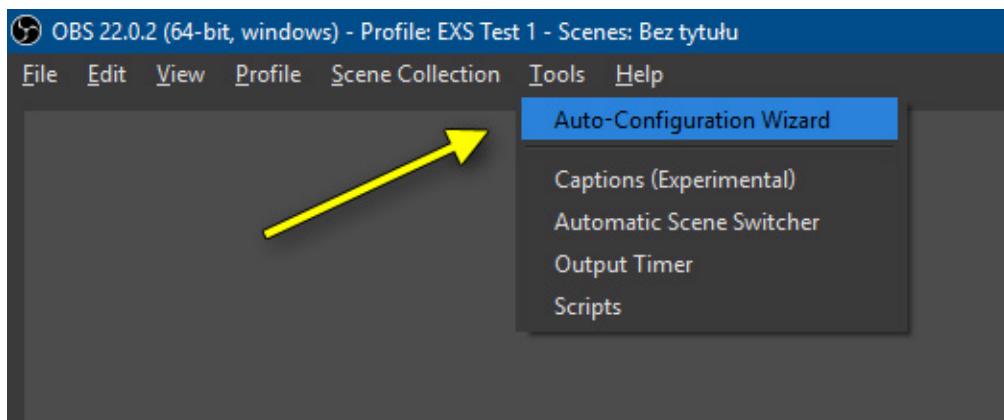
To embed player on the website generate code for the material (as shown below)



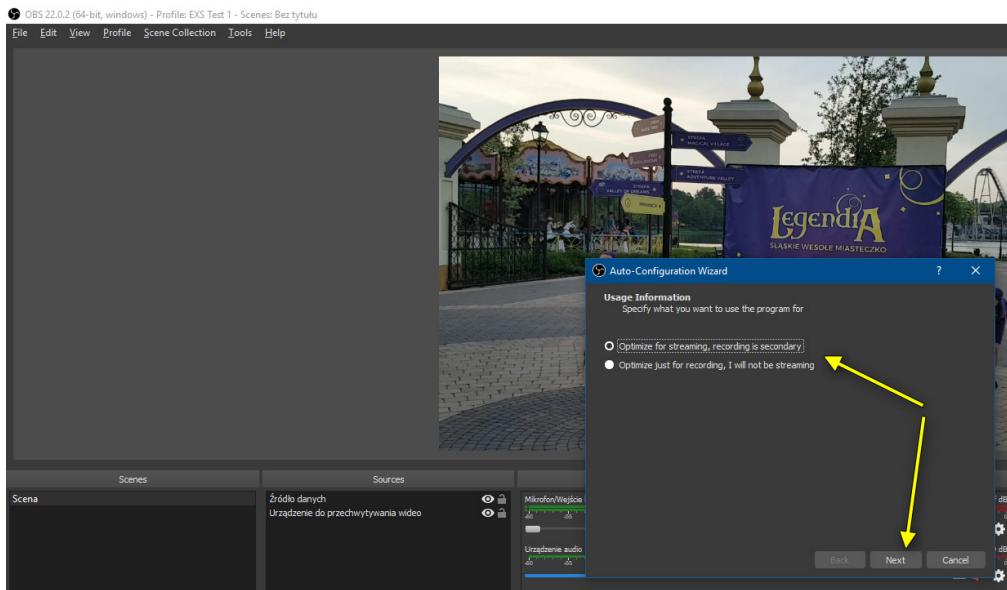
5. Points 1-4 describe all steps required to start streaming. If you are new to the video streaming we recommend OBS Studio Software for learning, available on www.obsproject.com

6. **Below You can find simple, default OBS Studio configuration**

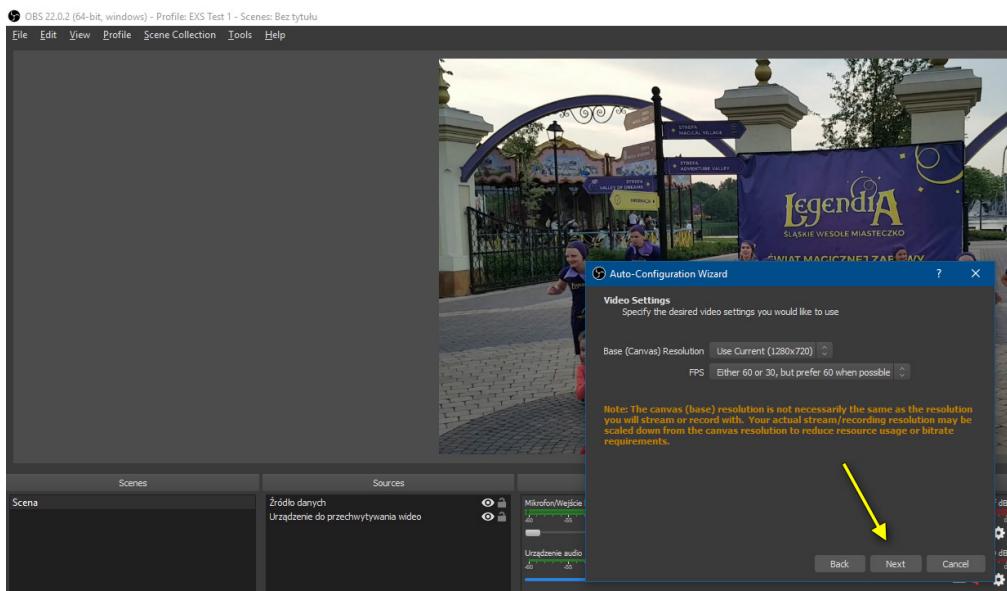
1. Install OBS Studio from this webpage www.obsproject.com
2. Run OBS Studio
3. Select tools / Auto-Configuration Wizard



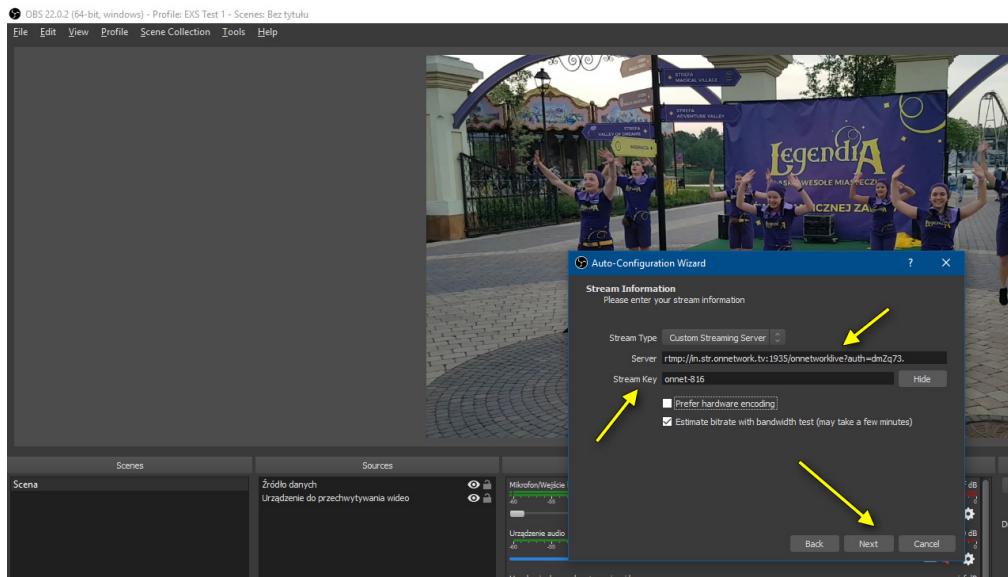
4. Select Optimize for streaming, click Next



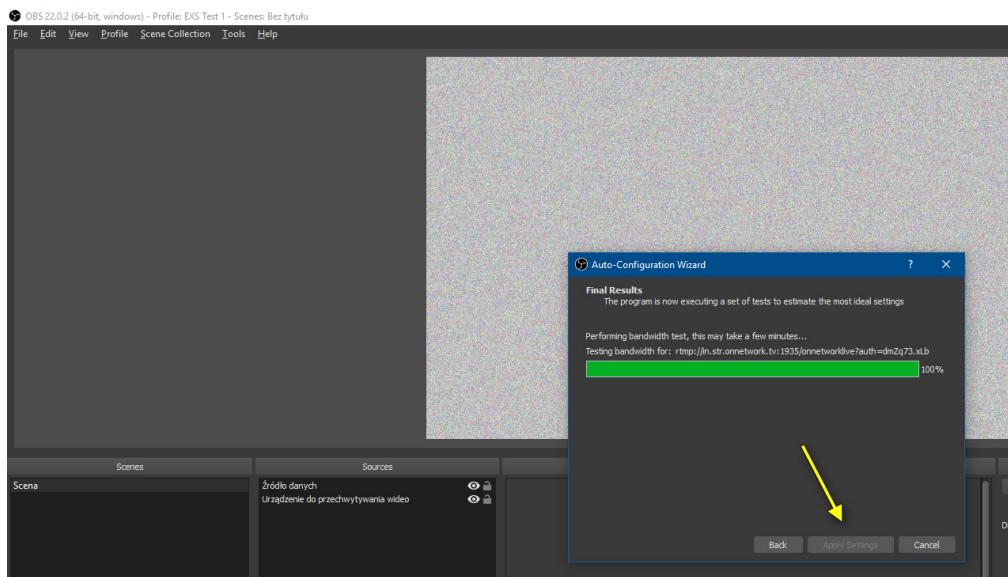
5. Select resolution, (suggestion: let system do it for You for the begining) and click Next



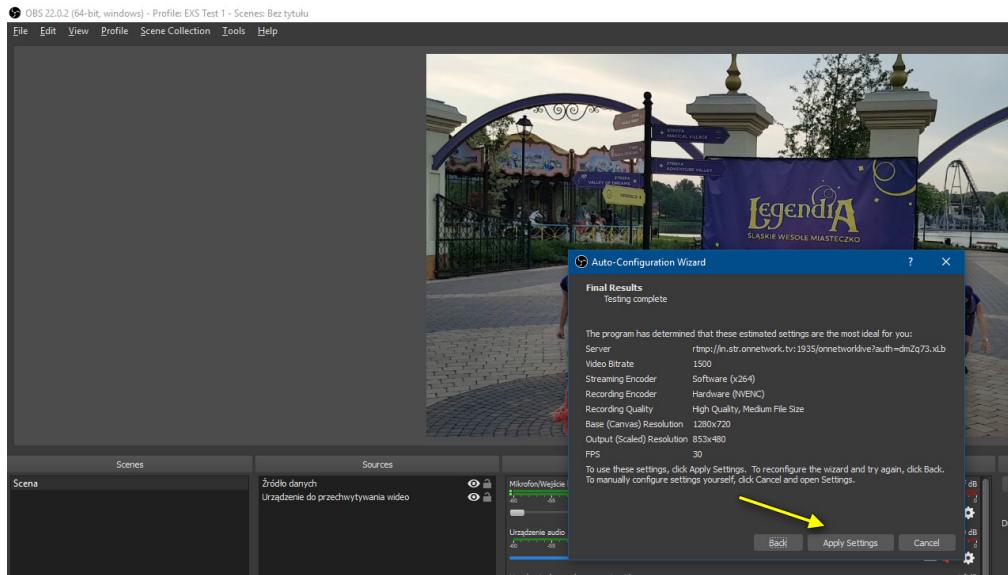
6. Select "Custom Streaming Server", paste params from material(encoder url and stream key) and click next



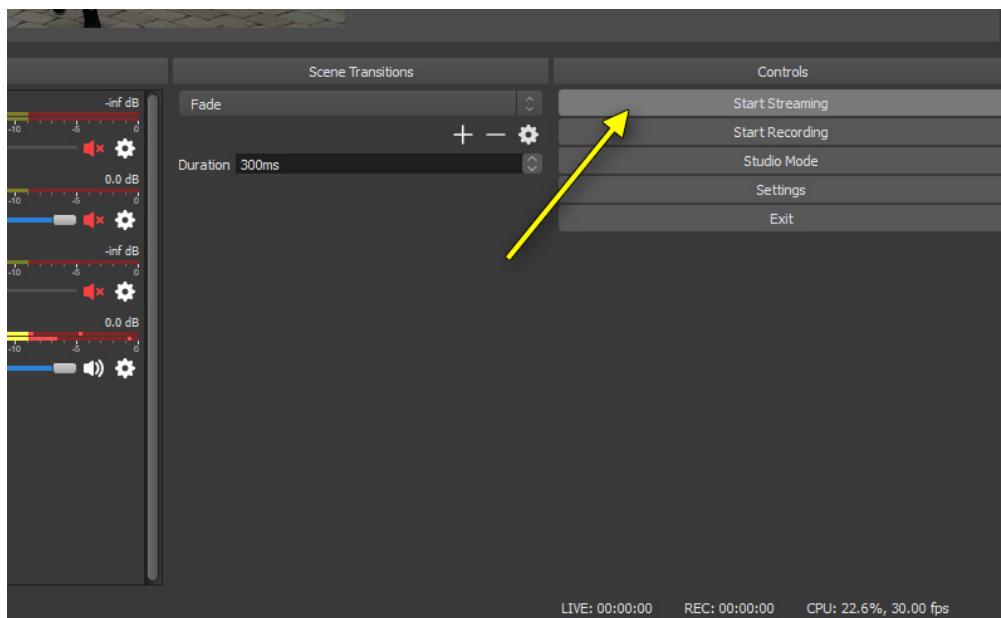
7. Start bandwidth testing, then click Apply (Apply button will be clickable after tests)



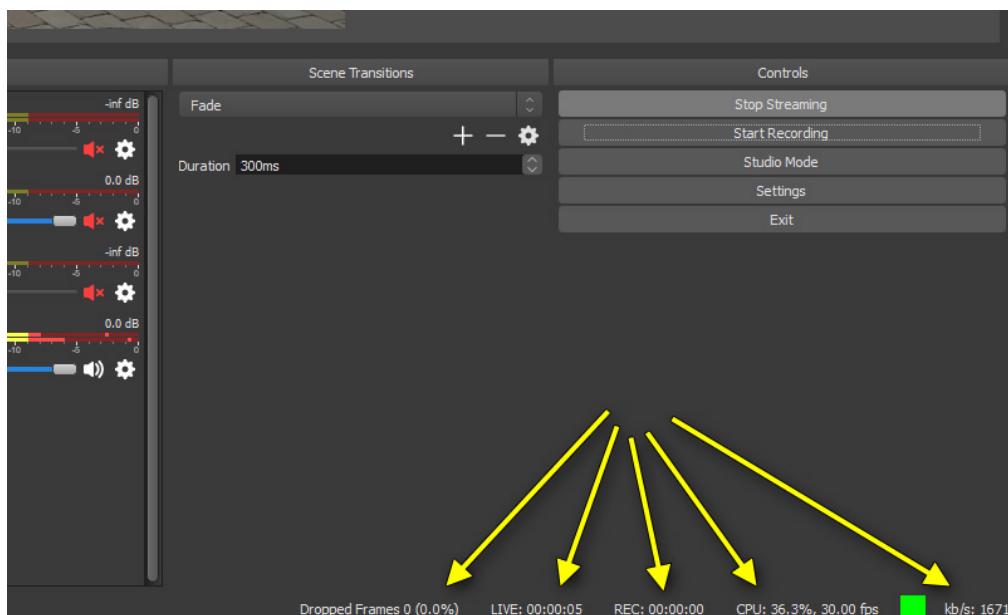
8. Program will show params, Apply them



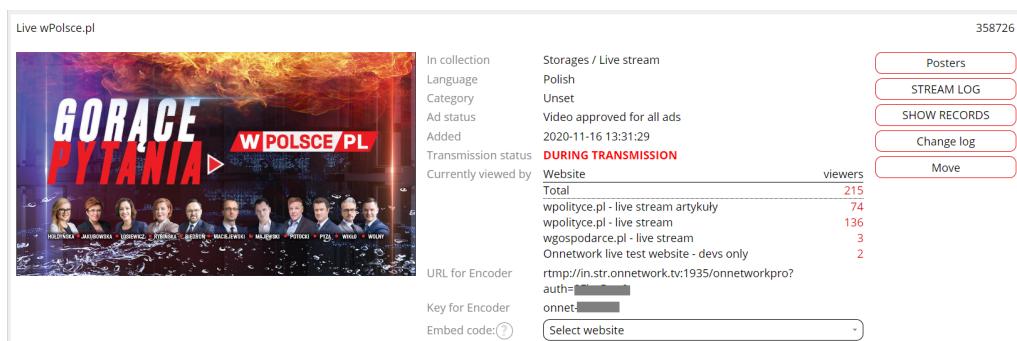
9. To start encoding - click Start Encoding



10. Track params of streaming in status bar



7. How it looks on the platform while the live stream is being broadcast

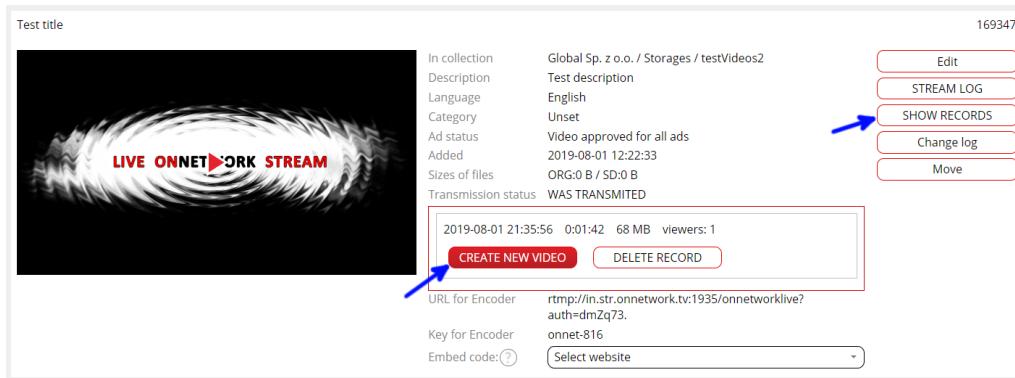


When live stream is during the broadcast then on the material appears information in "Transmission status" that live stream is "DURING TRANSMISSION".

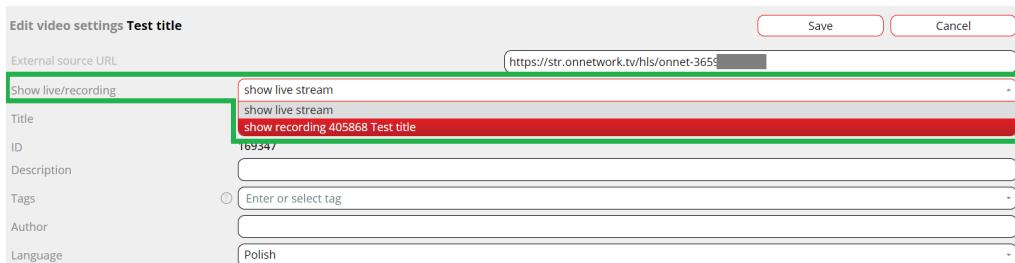
Below will be information with the current number of viewers at each website. This information is updated every 5 seconds.

One of the positions on this list may be "Other website", under this name there are technical sites that monitor the correct working of the transmission.

8. Saving the finished stream as video. Video will be located in the same storage.



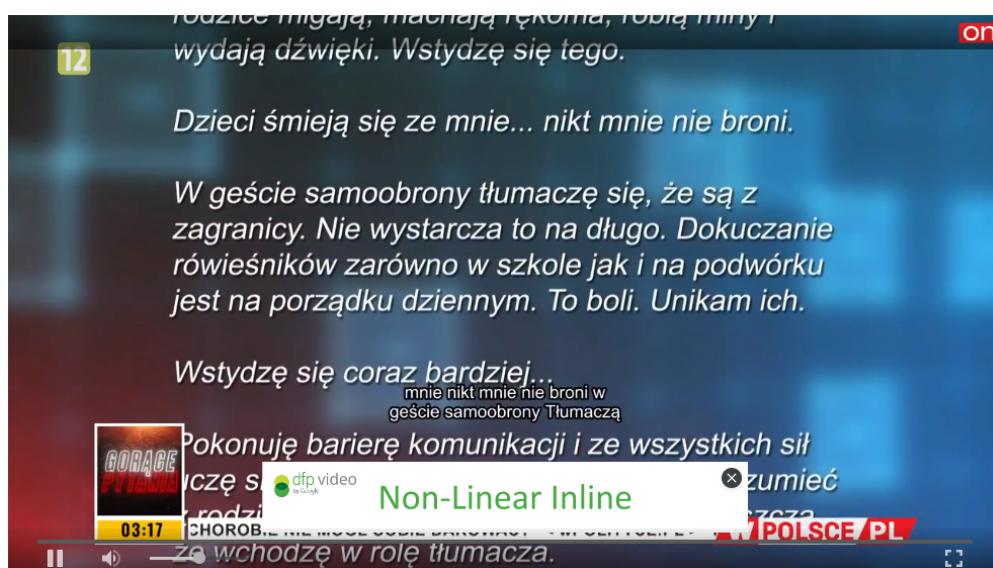
9. Material in place of the live stream after it is finished



After pressing the Edit button in the "Show live/recording" field you can select one of the materials created in step 8 to be displayed instead of the live stream.

10. **Types of ads for live stream and their configuration**

1. Pre-roll ads - their configuration is no different from those for regular materials. These ads are delivered to the user after the player starts.
2. Overlay ad every XX seconds - small banners over video



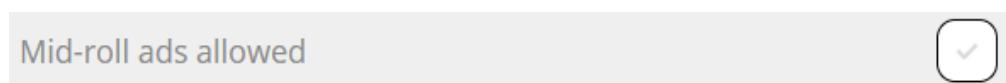
In order for an overlay ad to be displayed it cannot be higher than 90px and at the same time it cannot be higher than 1/3 of the player height

Overlays configuration:

A separate website on the platform is required,

*Regular or prebid ad codes added for pre-rolls (only linear),

In the website edit, make sure that mid-roll ads are enabled:



Regular ad codes added for mid-rolls which must be configured to deliver only overlay ads. When adding an ad code, make sure to select it to be used only for mid-rolls:

Pre-roll



Mid-roll



This ad code must be added under the Vast Provider, which is marked "only for non-liner ads" - ask an administrator for help,
 Overlays are displayed every XX seconds (min 60s) – this time is set in the website Edit under "Time space between mid-roll ads" field, first attempt to display an ad after half of this time. The "Minimal length of video material for mid-rolls" option is ignored:

Minimal length of video material for mid-rolls	600
Time space between mid-roll ads	120

3. TV ad breaks using SCTE-35 ad signals with MPEG-TS or EXT-X-CUE-xxxxx with HLS

Ad break timing should be passed using stream "time" and not real time. And it is not possible to obtain current stream time outside of encoder. So such functionality should be included into encoder. For this you should choose one of these 2 protocols:

-MPEG-TS is very popular (those are stream used for any TV transmission: satellite, terrestrial, cable tv) but it is much more difficult technically (it is send via UDP and this type of transmission is very delicate for internet).

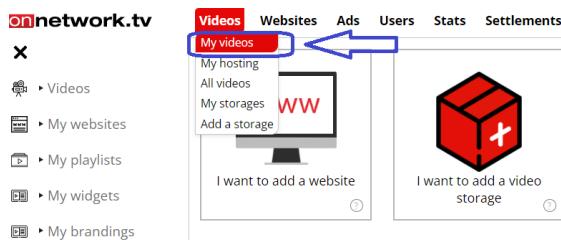
-HLS is more popular in internet and widely used. Every "big" cloud (Amazon AWS, Microsoft Azure) use HLS with EXT-X-CUE signals to stream video with ad break information.

Usage of proper protocol depends on hardware available – it is always done by hardware encoders (in TV stations).

11. **Livestream with timeshift - this option is not available by default**

This is a very simple option to change, simply select under Live stream type when creating a live stream - "Live with 120 minutes timeshift, recording max 6 hours".

With timeshift we can pause the livestream and after pausing it we will return to the moment we stopped and we can go back up to 2h back. A normal livestream after pausing will rewind to real time and we cannot rewind it.



It is also important to remember when livestreaming with timeshift to delete the previous recording because the user will be able to rewind the broadcast, e.g. to a test broadcast which was started before the official one.

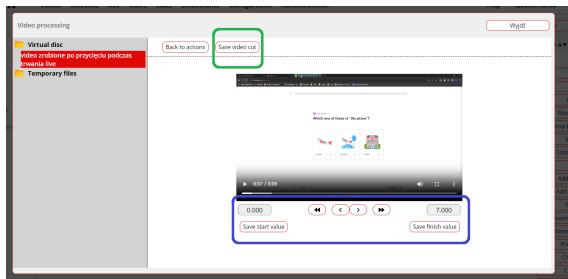
12. Video cut

It supports 3 types of material:

- regular video - can be cut immediately
- livestream - you need to convert the file before trimming
- livestream with time shift - can be cut immediately, works up to 2h backward

To use this option with livestream we recommend using timeshift. Timeshift livestream can be cut straight away without converting the file, a normal livestream file has to be converted first and appears in temporary files and can be cut from these files. Material from temporary files is deleted after 24h.

This is where you specify the moments at which the video is clipped, at which point the clipping should start and at which point it should end.



Once saved, the cropped video shows up in temporary files.



Once a temporary video has been selected, it can be further trimmed or saved as a video.



After clicking save, you are redirected to the video creation option, where you have to select a magazine, add a title, etc.

