

DaCast Live Streaming with Presentation Recorder

I. DaCast Configuration

1. Live stream setup

Go to Live Channels (Fig. 1)

Create a channel, if none exists yet or edit channel configuration

We will not cover all the options and features of DaCast in this tutorial. Default settings are sufficient for starting a live stream

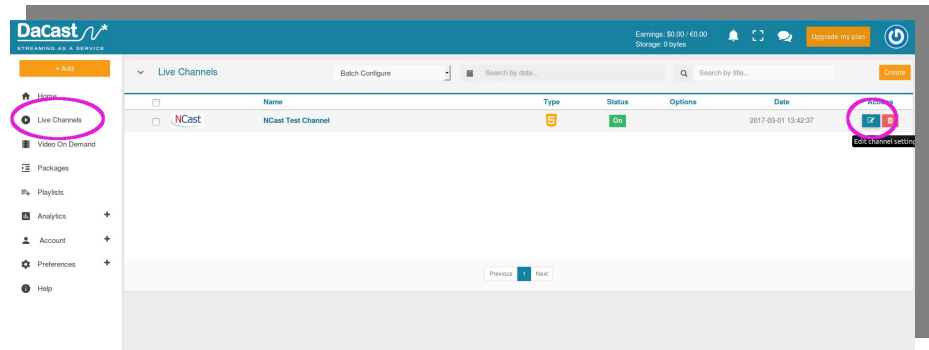


Fig. 1

2. Encoder configuration

Go to 'Encoder settings' (Fig. 2)

Settings needed for NCast Presentation Recorder setup (Fig. 3)

Login (1)

Password (2)

Stream URL (3)

Stream names (4)

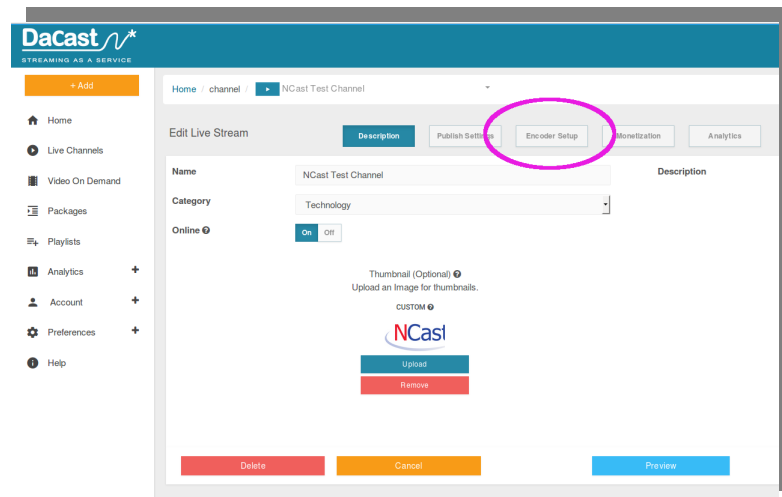


Fig. 2

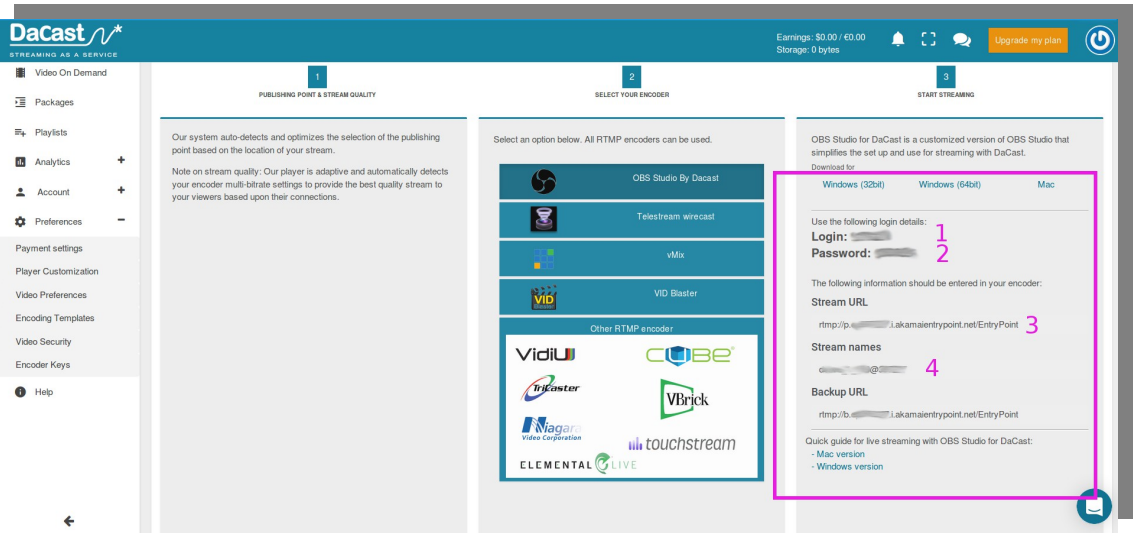


Fig. 3

II. Presentation Recorder configuration

1. Go to 'Channels' Tab (1) and edit settings of the desired channel (2) (Fig. 4)

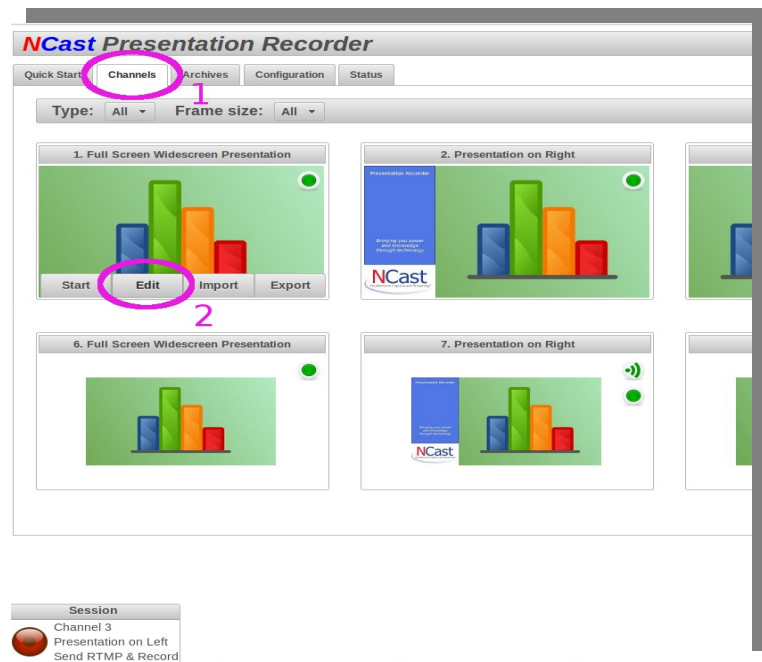


Fig. 4

2. Set channel scenario

Select 'Send stream' or 'Send stream and record to file' (Fig. 5)

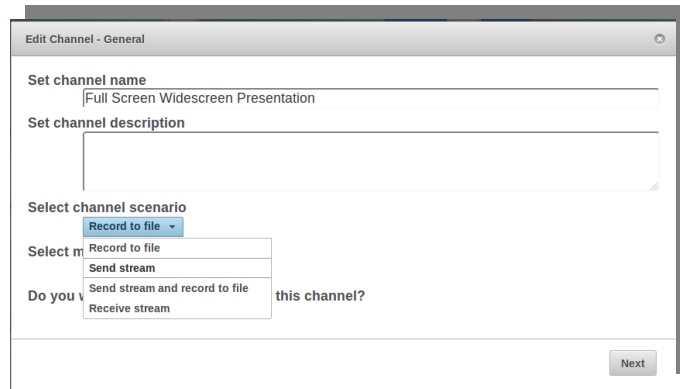


Fig. 5

3. Set encoder parameters

Resolution (Fig. 6), bitrate and framerate (Fig. 7 and Fig. 8).

Typical parameters:

720p: 30 fps, 2.5 Mbps

1080p: 30 fps, 5 Mbps

Audio: 48 kHz, Stereo, 128 kbps

Select 'Custom' to enter parameters manually (Fig. 8).

Please refer to Ustream docs to enter correct values.

<https://support.ustream.tv/hc/en-us/articles/207852117-Internet-connection-and-recommended-encoding-settings>

Key frame interval is set to 2 seconds.



Fig. 6

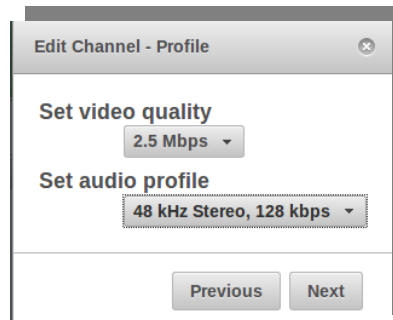


Fig. 7

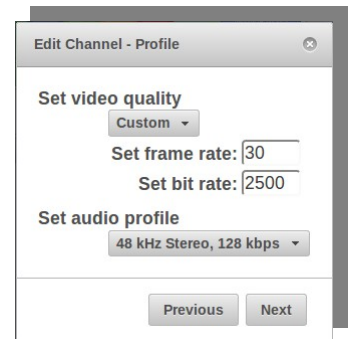


Fig. 8

4. Set stream parameters (Fig. 9)

Streaming protocol: **'RTMP'**

RTMP server type: **'Remote'**

Address: copy from **Fig. 3 (3)**

Port: **1935**

Username: **Fig. 3 (1)**

Password: **Fig. 3 (2)**

Stream name: copy from **Fig. 3 (4)**

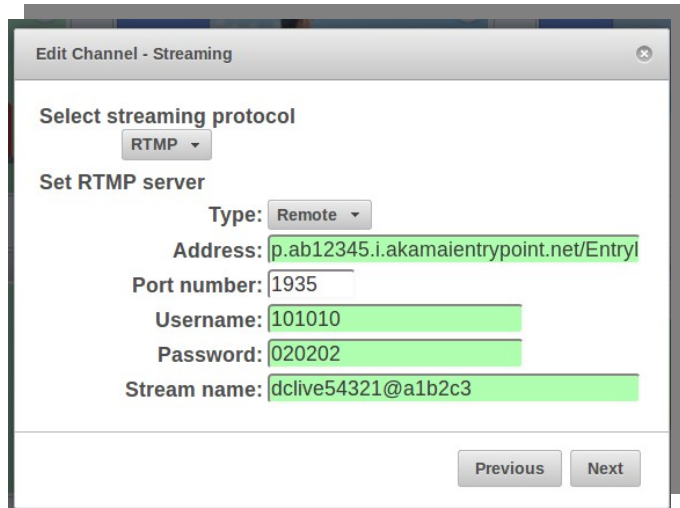


Fig. 3 (3)

Fig. 3 (1)

Fig. 3 (2)

Fig. 3 (4)

Fig. 9

III. Start live streaming

1. Start a live session in the Presentation Recorder (Fig. 10)

Load channel by clicking on the channel icon (1) and accept popup dialog with 'OK'
 Verify channel (2)
 Start encoder (3)

2. Verify connection status (Fig. 11)

Green icon – Connection OK
 Red, blinking icon – Connection error

Red icon will blink while establishing connection, this is normal behavior. If it does not turn green after 15 seconds there is a connection error

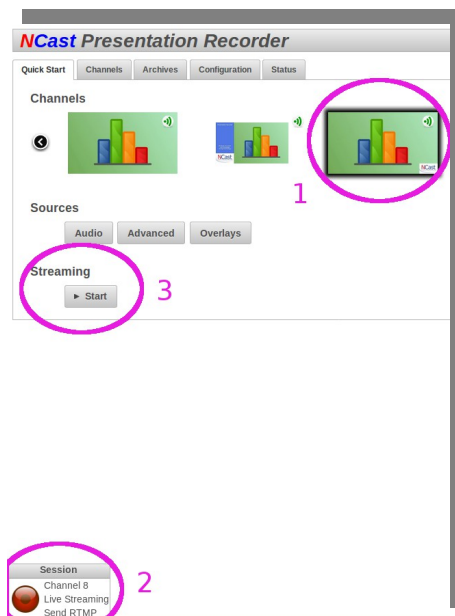


Fig. 10

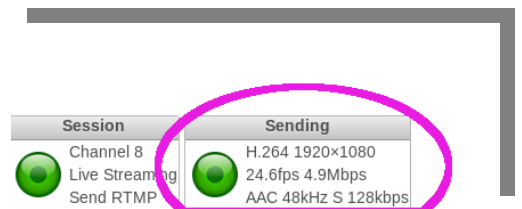


Fig. 11

3. Verify DaCast stream

Open the DaCast channel preview (Fig. 12)

Stream preview will be available

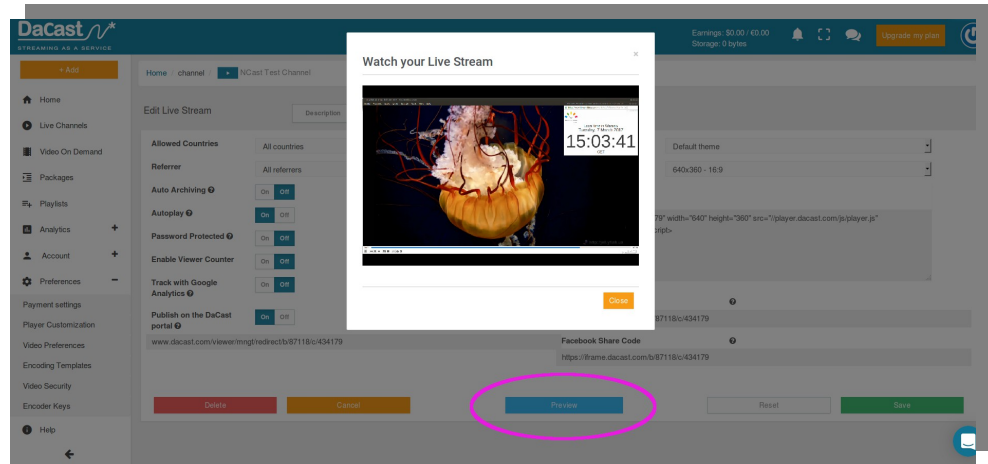


Fig. 12