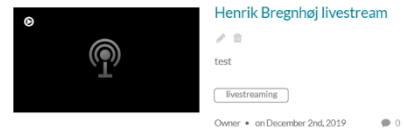# OBS Studio: one-way livestreaming from your desktop

Guide for teachers

Unlike many other web conferencing tools, OBS studio is created for one-way livestreaming, which makes the tool a lot more stable – even with many users. You can combine this solution with a discussion in Absalon or a Padlet that enables the students to ask questions or make comments before/during/after the livestreamed session. After the session, you can share the video recording of the livestreamed event.
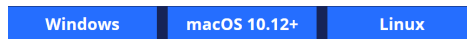
### 1. Get your own personal livestreaming channel in Absalon

- Write to absalon@sund.ku.dk and ask for a personal livestreaming channel in "Kaltura". You will get quick response!
- When the channel is ready, you can see it in My media in Absalon.
- Click on the small pencil ✎ next to your livestreaming and click the tab Live Stream Details
- Here are two things you need, once you have installed OBS Studio: Primary URL and Stream Name .
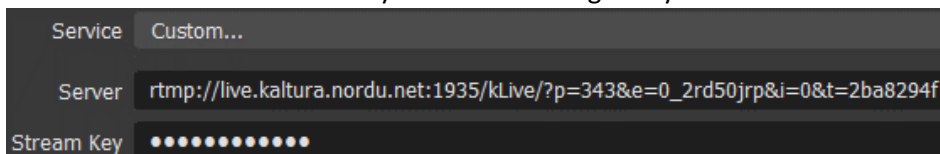
2. Download and install OBS Studio

- Download OBS Studio (free program) from https://obsproject.com/.
  There is a version for all platforms.

  | Windows | macOS 10.12+ | Linux |

- Install and open the program.

- From the lower-right corner, open Settings / Indstillinger -> Stream .
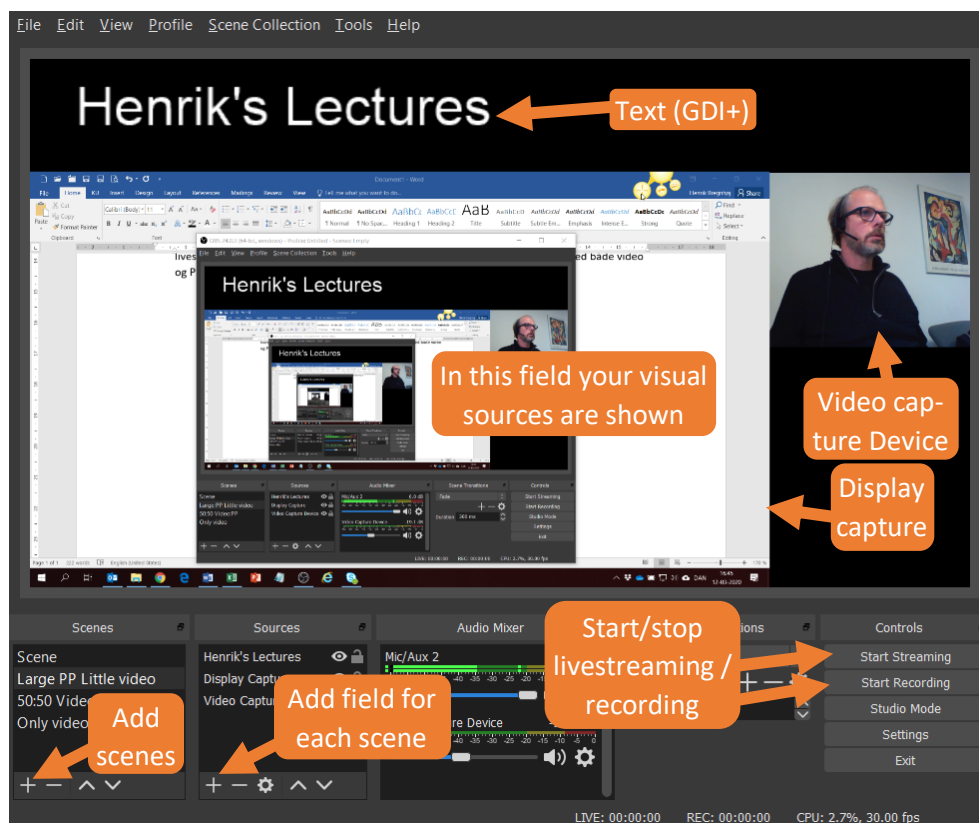 Make the following settings:
  - Service = Custom...
  - Server = Primary URL from your livestreaming in My Media
  - Stream Key = Stream Name from your livestreaming in My Media. It should look like this:

Service	Custom...
Server	rtmp://live.kaltura.nordu.net:1935/kLive/?p=343&e=0_2rd50jrp&i=0&t=2ba8294f
Stream Key	●●●●●●●●●●●

- Open Settings / Indstillinger -> Audio

- Next to Mic/Auxiliary Audio / Mic/Aux Lydenhed , choose the microphone you want to use.

- Now, you must create your Scenes – the things you want to show, e.g. slides, video, text. In the lower-left corner, you will find `Scenes`. Click `+` to add the scenes you want, e.g. Scene1 with both video and PowerPoint, Scene2 with only PP, and Scene3 with just video... You can resize the fields as you prefer.

- For each scene, you must select `Sources` / `Kilder`:
  - To select your webcam, open Video Capture Device / Videooptageenhed
  - To add capture of your display, open Display Capture/Skærmoptagelse or Window Capture/Vinduesoptagelse
  - To add a text field: Text (GDI+)/Tekst (Freetype 2)
  - To add your microphone, open Audio Input Capture/Lydinputoptagelse.

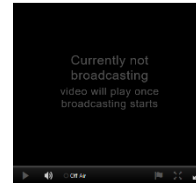## 3. Set up your livestreaming video link in a course in Absalon

- In Absalon, go to your course, open My Media and click on your livestreaming

- Below the video, open the tab ◄ Share

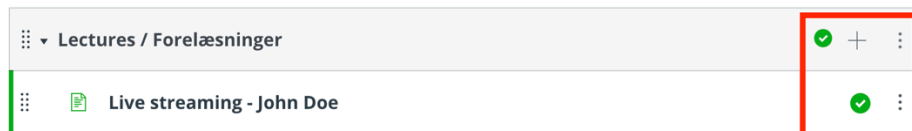- Copy the embed code: `<iframe id="kaltura_player" src="https://api.kaltura.nordu.net/p/343/sp/34300/embedIframeJs/uiconf_id/23451035/partner_id/343?iframeembed=true&playerId=kaltura_player&entry_id=0_2rd50jrp&flashvars[streamerType]=auto&flashvars[localizationCode]=en&flashvars[Kaltura.addCrossoriginToIframe]=true&&wid=0_r8j8gy3m" width="400" height="285" allowfullscreen webkitallowfullscreen mozAllowFullScreen allow="autoplay *; fullscreen *; encrypted-media *" sandbox="allow-forms allow-same-origin allow-scripts allow-top-`

- Go to Modules and add a new page. Give it meaningful title, e.g. "Livestreaming of lectures".

- Open the page, click Edit and then ▦ HTML Editor . Paste the embed code into the page (must be in HTML-mode!)

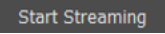- Click ▦ Rich Content Editor . Now you see the empty livestreaming pod.

- Click **Save**

- Remember to check that both the module and the page is published:

- Inform your students about when you will give your lecture via the livestream link and let them know where they can find the page (you can insert a link to the page – copy from the browser url). Also let your students know if you will make the recorded live session available afterwards (see how below).

4. Give your lecture

- Open your PP or whatever you want to share.

- Start the OBS Studio program and click **Start Streaming**

- Go to PP, click on presenter mode [icon] , and give your lecture.

- When you are done, wait 10 secs before your click **Stop streaming**

- Afterwards, you will find the recording in My Media. Depending on the duration of your video, it will take several minutes before the video can be played.

- Click the small pencil ✎ next to the video. Fill in the required meta data fields: Name, Description, Tags, Copyright license, and click **Save**

- Now, you can publish the video in the course Media Gallery, so the student watch it (again).

Please note!
- When you test livestreaming, you must record **at least 1 minute**! Otherwise, the recording enters an almost unstoppable loop!
- When you broadcast your livestreaming there is a **delay of 30-50 seconds** in the signal – in other words, the students see and hear what you do and say 30-50 secs later. This is important to consider if you use a quiz tool like **Shakespeak, Socrative** or **Kahoot**: The students' responses will arrive with delay! (You can use this "break" to look through incoming questions and comments, if you use **Padlet/discussion in Absalon** as a feedback channel)
- We have encountered some difficulties using PP presentations and OBS Studio on MAC… (updates will follow)