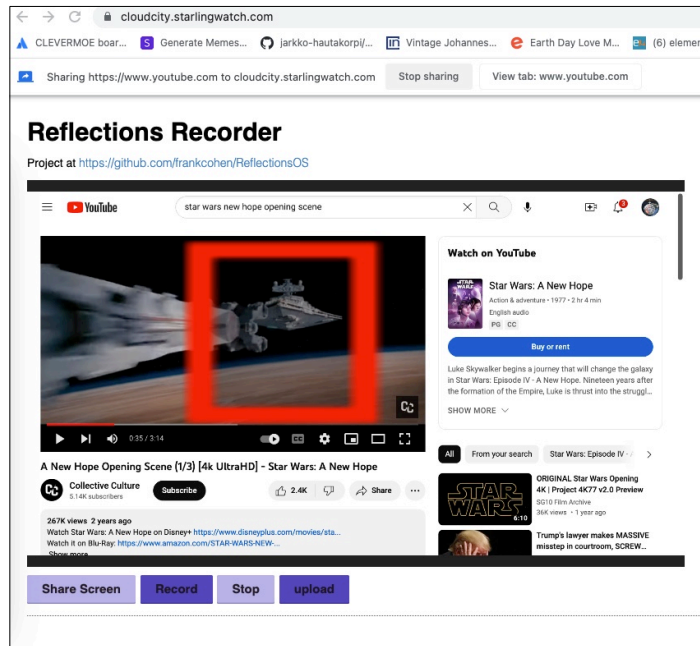


# Reflections Recorder 5

Version: August 8, 2023

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Recorder 4 selection box.

Reflections Recorder is a utility to capture and create media archive files for playing on the Reflections entertainment platform.

Changes for Recorder 5:

- 1) Implement visual improvements to selection box.
- 2) Browser-based log viewer.

## Background

Recorder records video and audio using WebRTC in a browser window and uploads it to a server over HTTPS. Recorder's server side component processes the video into 240x240 pixel uncompressed mjpeg format, packs the video and audio into a TAR file, creates a Show manifest, and provides file transfer services to the Reflections device.

Recorder source is in Github at <https://github.com/frankcohen/ReflectionsOS/tree/main/CloudCity/Recorder> and on the AWS EC2 server at <https://github.com/frankcohen/ReflectionsOS/blob/main/CloudCity/Recorder/README.md> for details.



Recorder 5 new selection area styling and control

Selection box appears at 40 x, 40 y, and 240 height and 240 width by default.

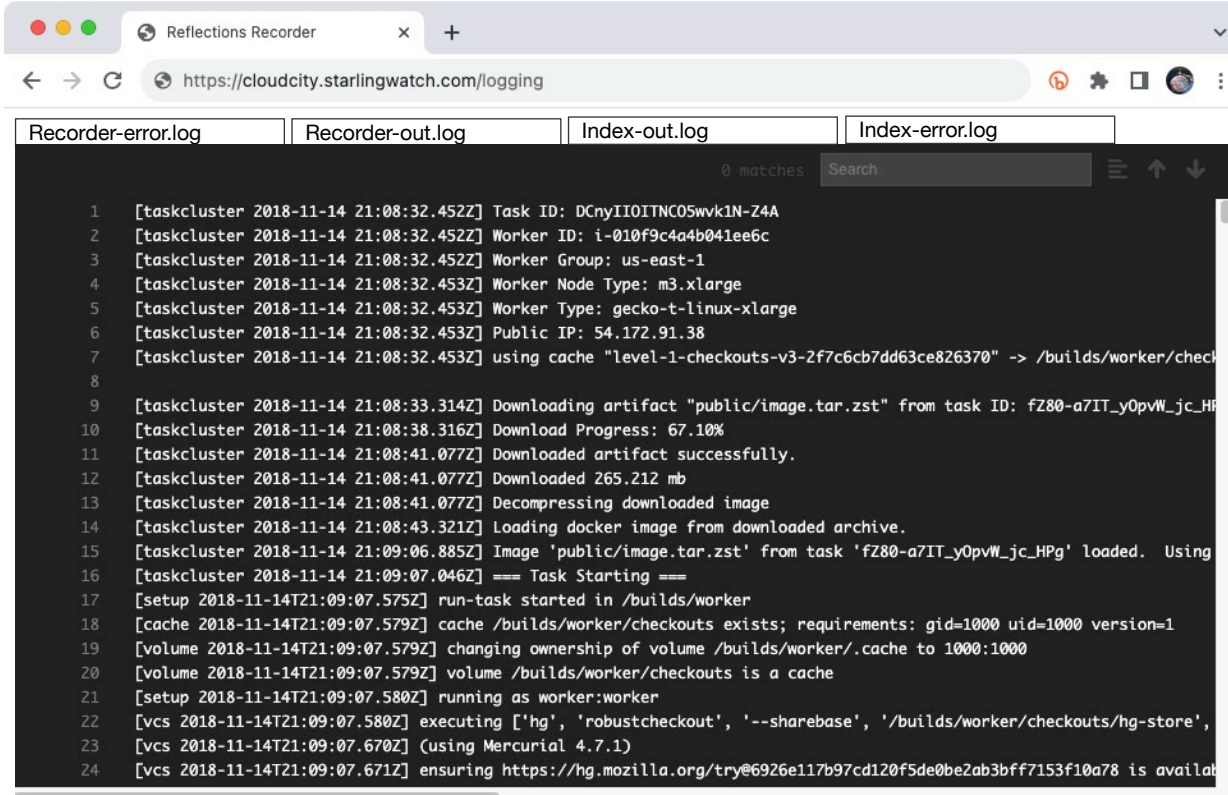
Area outside selection box is fill 25% opaque black, so that everything outside the selection box appears darker.

Selection box has stroke of 3 pixels of #FEFACD. Selection box size values sent to the server include the 3 pixels.

Click within the selection box to drag to new x and y position.

Click and drag sizing icon (lower right) to change selection area size. Sizing icon is always 20 x 20 pixels, and always appears in the lower right corner of the selection box.

Selection box is always a square. Always recognizes the aspect ratio of the shared media canvas.



```
Recorder-error.log | Recorder-out.log | Index-out.log | Index-error.log
0 matches Search
1 [taskcluster 2018-11-14 21:08:32.452Z] Task ID: DCnyII0ITNC05wvk1N-Z4A
2 [taskcluster 2018-11-14 21:08:32.452Z] Worker ID: i-010f9c4a4b041ee6c
3 [taskcluster 2018-11-14 21:08:32.452Z] Worker Group: us-east-1
4 [taskcluster 2018-11-14 21:08:32.453Z] Worker Node Type: m3.xlarge
5 [taskcluster 2018-11-14 21:08:32.453Z] Worker Type: gecko-t-linux-xlarge
6 [taskcluster 2018-11-14 21:08:32.453Z] Public IP: 54.172.91.38
7 [taskcluster 2018-11-14 21:08:32.453Z] using cache "level-1-checkouts-v3-2f7c6cb7dd63ce826370" -> /builds/worker/check
8
9 [taskcluster 2018-11-14 21:08:33.314Z] Downloading artifact "public/image.tar.zst" from task ID: fZ80-a7IT_yOpvW_jc_HP
10 [taskcluster 2018-11-14 21:08:38.316Z] Download Progress: 67.10%
11 [taskcluster 2018-11-14 21:08:41.077Z] Downloaded artifact successfully.
12 [taskcluster 2018-11-14 21:08:41.077Z] Downloaded 265.212 mb
13 [taskcluster 2018-11-14 21:08:41.077Z] Decompressing downloaded image
14 [taskcluster 2018-11-14 21:08:43.321Z] Loading docker image from downloaded archive.
15 [taskcluster 2018-11-14 21:09:06.885Z] Image 'public/image.tar.zst' from task 'fZ80-a7IT_yOpvW_jc_HP' loaded. Using
16 [taskcluster 2018-11-14 21:09:07.046Z] == Task Starting ==
17 [setup 2018-11-14T21:09:07.575Z] run-task started in /builds/worker
18 [cache 2018-11-14T21:09:07.579Z] cache /builds/worker/checkouts exists; requirements: gid=1000 uid=1000 version=1
19 [volume 2018-11-14T21:09:07.579Z] changing ownership of volume /builds/worker/.cache to 1000:1000
20 [volume 2018-11-14T21:09:07.579Z] volume /builds/worker/checkouts is a cache
21 [setup 2018-11-14T21:09:07.580Z] running as worker:worker
22 [vcs 2018-11-14T21:09:07.580Z] executing ['hg', 'robustcheckout', '--sharebase', '/builds/worker/checkouts/hg-store',
23 [vcs 2018-11-14T21:09:07.670Z] (using Mercurial 4.7.1)
24 [vcs 2018-11-14T21:09:07.671Z] ensuring https://hg.mozilla.org/try@6926e117b97cd120f5de0be2ab3bff7153f10a78 is availab
```

Logging uses React-Viewer to show log files in a Web browser.

<https://github.com/melloware/react-logviewer>. Create fork of this for our own use in the <https://github.com/frankcohen/ReflectionsOS/tree/main/CloudCity> repository.

Wraps react-log viewer in the Reflections Recorder node.js application at `/var/www/node-api`.

Serves from `/logging` URL over HTTPS protocol. Displays logs from `/home/ec2-user/.pm2/logs`. Clickable tabs change view between log files. Expands to fill browser window width/height. Lazy loads. Live/streamed view of logs, no reload of page needed.

Logs support clickable URLs, search (case insensitive), multi-line copy, search next/previous.

Update <https://github.com/frankcohen/ReflectionsOS/blob/main/CloudCity/Recorder/README.md> with instructions on how to install and configure Recorder with Logger.