Reflections Recorder 5

Version: August 8, 2023

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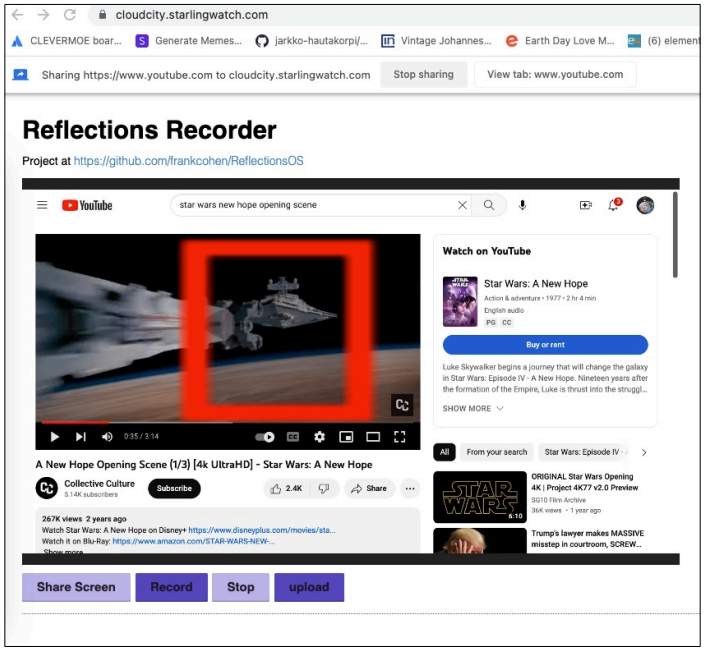

Recorder 4 selection box.

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.

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.

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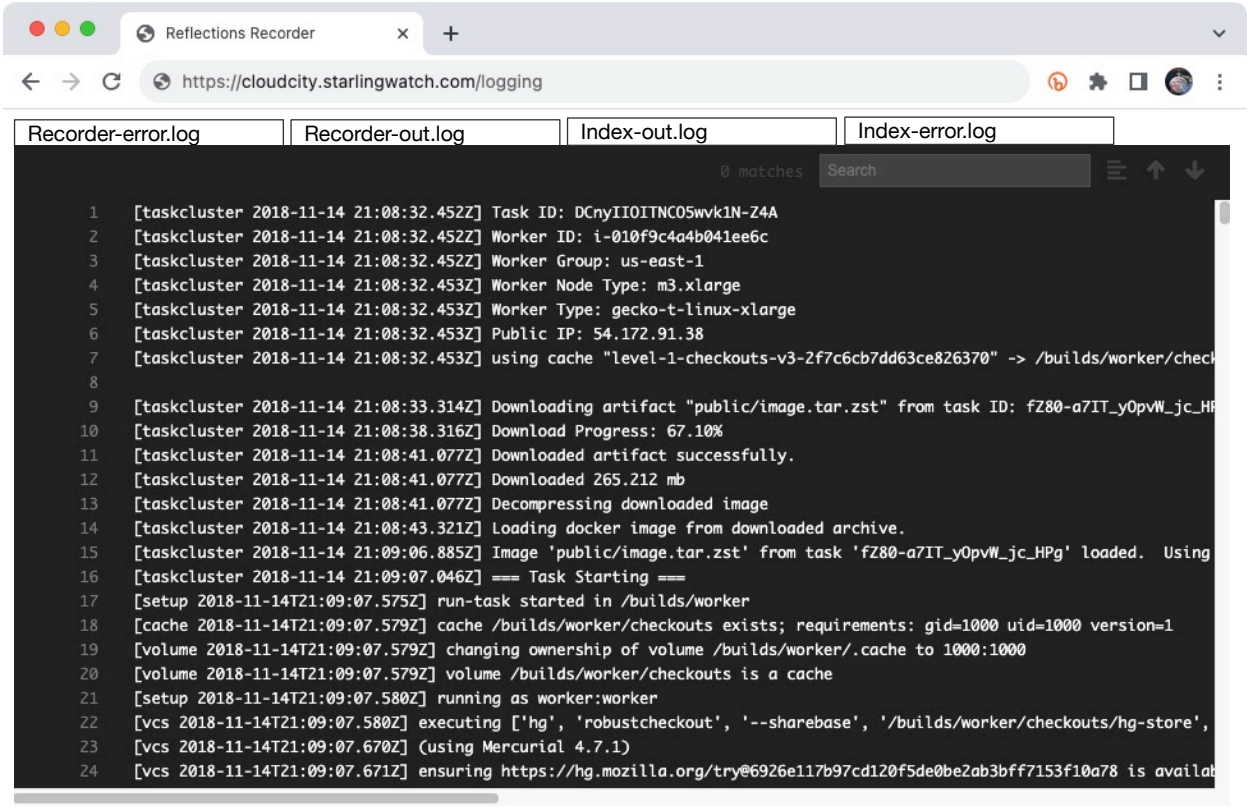

Logging uses React-Viewer to show log files in a Web browser.

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.