

Weekly report: Week 17 of dissertation for Uninett AS on authentication in IoT

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Activities

Monday April 22

We worked on the execution report and launched an AWS instance for the production server. We changed the name servers to AWS' DNS and installed prerequisites. Caddy is having issues because they've transitioned to using Go modules instead of plugins, or something along those lines. Therefore, their download page is not working, and we are unable to build the latest version.

Tuesday April 23

Instead of trying to solve our problems building the latest version (others are having the same problem, while the repo admins are saying there is no problem), we downloaded a prebuilt binary of the latest version. After having done this successfully, we set up the rest of the production server, which is now available at <https://audiopolis.info>. The testing server is available at <https://magnusbakke.com>. We are going to make some changes to the frontend to get rid of the initial redirect. We also have to move the development server from GitHub to somewhere else, as GitHub will not import the `_locals.js` file that is ignored in `.gitignore`.

Wednesday April 23

We moved the development version of the frontend from GitHub to a VM set up by Uninett. This way, we were able to locally specify a backend URL (127.0.0.1:8000). We made the frontend responsive, meaning the HTML document's content will not be too large for a mobile screen.

During the meeting (which Liang attended), Uninett gave us some feedback. Based on this feedback, we removed the email input field on the frontend and now use the email address associated with the Feide identity instead. We changed the datetime format used in the usernames stored in HiveManager to the ISO format, but without the "T" separator between the day and hour. We still do not include the microsecond.

We updated the execution report to reflect these changes and continued working on it.

April 29, 2019
Magnus Bakke & Liang Zhu

Thursday April 24

We decided to scrap the security measure planned in the progress plan, as it should not be necessary given the uncertainty of the times at which requests are received and processed, as well as sent to HiveManager and processed by it.

Work on the execution report continued.

Friday April 25

Work on the execution report continued.

Remarks

Because of unexpected circumstances, we were not able to complete the task of handling errors on the frontend this week.