

March 4, 2019
Magnus Bakke & Liang Zhu

Weekly report: Week 9 of dissertation for Uninett AS on authentication in IoT

by Magnus Bakke & Liang Zhu at Informatics with specialization in network administration at the Norwegian University of Science and Technology

Activities

Monday February 25

We received two access points from Aerohive. The model is AP122. With this information, we can finish the hardware chapter of the design report. We experimented with the APs, but could not figure out how to get PPSK to work. Hopefully the meeting on Wednesday will clear things up. Work on the design report continued, and we clarified some aspects of the system's architecture.

Tuesday February 26

After a mandatory workshop at the university, we researched how to set up a new Django server and mapped out the dependencies. We wrote about using Django in the design report.

Wednesday February 27

We attended an online meeting with Aerohive representatives, who showed us how to use HiveManager and explained that the API indeed allows us to devise a custom onboarding screen with custom authentication (as expected, the Feide authentication must be separate from PPSK system itself).

After the meeting, we generated a PPSK in HiveManager and tested it. It works. What remains is to figure out the API and program the frontend and backend.

Jørn set up a VM for us, on which we installed Django. We set up a Git repository and a rudimentary Django project. We ran into some problems, and we will have to set up the repository again on Monday.

March 2–3

We worked on user interfaces and the design report.

March 4, 2019
Magnus Bakke & Liang Zhu

Remarks

No remarks.