

Weekly report: Week 7 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 11 - Monday February 17

We worked hard to finalize the prestudy report. It is now approximately 99% done and it should be fully done on Monday February 18. This week we completed a stakeholder analysis, a financial feasibility analysis, finished the 'Scope and progression of the project' chapter, defined success criteria, completed the risk analysis and defined guidelines and standards.

We also worked on configuring a laptop as a hotspot (the exact same way as we did with the Raspberry Pi), but for some reason, we cannot get hostapd to start. We have decided to try a different operating system. We need to do this in case Aerohive's solution does not work for us, as hostapd supports multi-PSK, so we can simulate a multi-PSK solution that works for our purposes.

On that note, an online meeting with Aerohive was set up for February 27. They have given us a license key for HiveManager as well, and because Aerohive is used by Surfnet, we feel confident that this will be a good multi-PSK-solution.

Remarks

We will begin working on the design report on Monday, one week behind schedule. One of our process goals is to not be more than three days late on a deadline, so we will have to work extra hours the coming couple of weeks to stick to that goal.