Exercise 4

4.1 Tracking through email and by cars (6pt)

Choose one of the following two papers, read it, and write a summary in your own words, focusing on what you found most important (length: at least half a page).

– Steven Englehardt, Jeffrey Han, Arvind Narayanan: *I never signed up for this! Privacy implications of email tracking.* Proc. Priv. Enhancing Technol. 2018(1): 109-126 (2018). `https://doi.org/10.1515/popets-2018-0006`

– Daniel Frassinelli, Sohyeon Park, Stefan Nürnberger: *I Know Where You Parked Last Summer: Automated Reverse Engineering and Privacy Analysis of Modern Cars.* IEEE Symposium on Security and Privacy 2020: 1401-1415. `https://doi.org/10.1109/SP40000.2020.00081`

4.2 Am I unique? (4pt)

The website *AmIUnique*, `https://amiunique.org`, was created by a team of researchers at INRIA [LRB16] and lets you explore how unique your browser fingerprint is among the sample that the site has recorded.

The goal of this task is to figure out which steps are needed to make your browser hide among others. Take one of your desktop browsers that permits you to change the configuration (you may want to save the original configuration so you can get it back). Modify the configurations according to instructions on the site until your browser is no longer unique.

References

[LRB16] P. Laperdrix, W. Rudametkin, and B. Baudry, *Beauty and the beast: Diverting modern web browsers to build unique browser fingerprints*, IEEE Symposium on Security and Privacy, SP 2016, San Jose, CA, USA, May 22-26, 2016, IEEE Computer Society, 2016, `https://doi.org/10.1109/SP.2016.57`.