Seminar:
Ethics in network security

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Contents

1   Aims

The aim of this assignment is to

- Reflect and discuss the importance of network security, or consequences of lack thereof, in society.

2   Reading instructions

Before starting this assignment you should have read Chapter 14 (online chapter) in "Network Security Essentials" [1], or Chapter 24 (online chapter) in "Cryptography and Network Security" [2].

3   Tasks

Select one of the topics listed below and reflect on the ethical implications.

- Face-recognition in enormous databases, like those of Google or Facebook.

- Accessing sensitive information in closed systems (patient journals, bank transactions records et cetera).

- Trackable banknotes.

- Performing wiretapping ordered by a company or government.

- Publishing information about other people's activity on Facebook or Twitter (this covers everything from tagging a person in a picture on Facebook, Twittering about visiting that person, to publishing sensitive information).

- As an operator storing and logging all activity in a phone or computer network.

- As a person having knowledge of secret Internet surveillance programmes, e.g. like Edward Snowden [3, 4].

4   Examination

This assignment is examined through active participation in a seminar. To prepare for this seminar you must write your discussion in a PM. The title page on your PM shall only contain the following information:

- The author's full name and email address.

- A suitable title that also contains the name of the assignment, e.g. *Seminar on ethics in network security: Ethics regarding trackable banknotes.*

- A 200–300 word abstract of your PM.

The pages that follows shall follow the instructions given in section 3. Your text must contain clear citations based on the Vancouver system.

The scope of the PM shall be at least 1500 words, abstract not included.

This PM shall then be posted in the course platform and be read by another student, and of course you should then read another student's PM. You must therefore publish your PM in the course platform at the latest a week before the seminar!

References

[1]   William Stallings. *Network security essentials : applications and standards.* 5th ed. International Edition. Pearson Education, 2013. ISBN: 978-0-273-79336-6.

[2]   William Stallings. *Cryptography and network security : principles and practice.* 6th ed. Pearson Education, 2013. ISBN: 978-0-273-79335-9.

[3]   Susan Landau. "Making Sense from Snowden: What's Significant in the NSA Surveillance Revelations". In: *IEEE Security & Privacy* 11.4 (2013), pp. 54–63. ISSN: 1540-7993. DOI: http://dx.doi.org/10.1109/MSP.2013.90.

[4]   Susan Landau. "Highlights from Making Sense of Snowden, Part II: What's Significant in the NSA Revelations". In: *IEEE Security & Privacy* 12.1 (2014), pp. 62–64. ISSN: 1540-7993. DOI: http://dx.doi.org/10.1109/MSP.2013.161.