

# Reflections about IT

Values in Design, Computer Ethics and Surveillance

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Characters

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# Introduction

# Computer Ethics

# Surveillance

## Cryptography

# Values in Design

# Case Study: FBI Vs. Apple

Ethical choice made by Apple. What thoughts lie behind the decision. Protection from a panoptical society. Protection of the privacy of the innocent (Snowden). Values in design (encryption). They value privacy and so they implement encryption (and updated the system further for compared to older systems).

Idéer:  
Brug fremgangsmåden for at identificere values in design. Hvilke værdier ligger der I produktet og hvilke ligger I konflikt?

Is apple protecting the villains? – Actor-network-theory

Apple’s etik vs. FBI’s etik (se pårørende I øjnene)

Panoptikon, oligoptikon, synoptikon, Sousveillance, Participatory surveillance

Free will versus technological determinism

Ethics. Cryptography as an expression of the privacy value in design to protect individuals from mass surveillance. In order to protect this value, Apple has to deny FBI. Technical experts claim that weakening encryption is arguably a bad thing, and a master key ‘for FBI eyes only’ is impossible.

FBI asks for this because they feel they have a moral responsibility to the families of the victims. However, it could be argued that FBI had an ulterior motive for their “request”. They want access to phones by court order, whenever it is deemed necessary. Since it turned out that they had an alternative way of breaking in to the phone, one may wonder why it was necessary to involve Apple in the first place.

# Sources:

<http://arstechnica.com/tech-policy/2016/02/judge-apple-must-help-fbi-unlock-san-bernardino-shooters-iphone/>

<https://www.documentcloud.org/documents/2714001-SB-Shooter-Order-Compelling-Apple-Asst-iPhone.html>

<https://www.documentcloud.org/documents/2714000-SB-Shooter-MOTION-Seeking-Asst-iPhone.html>

<https://www.apple.com/business/docs/iOS_Security_Guide.pdf>

<http://www.apple.com/customer-letter/>

[We Could Not Look the Survivors in the Eye if We Did Not Follow this Lead](https://www.lawfareblog.com/we-could-not-look-survivors-eye-if-we-did-not-follow-lead)

[Apple CEO Tim Cook Sits Down With David Muir](https://youtu.be/tGqLTFv7v7c)

[Safe and Sorry – Terrorism & Mass Surveillance](https://youtu.be/V9_PjdU3Mpo)

[Last Week Tonight with John Oliver: Encryption](https://youtu.be/zsjZ2r9Ygzw)

# Reading:

## Computer Ethics:

**Mandatory Readings:**

Moor, J. H. (1985). "What is computer ethics?" Metaphilosophy 16(4): 266-279. <http://www.ccsr.cse.dmu.ac.uk/staff/Srog/teaching/moor.htm>

**Suggested Optional Readings:**

Bynum, T. W. (2008). "Computer and Information Ethics." Retrieved 24.03.2011, from <http://plato.stanford.edu/entries/ethics-computer/> .

Tavani, H. (2003). Ethical Concepts and Ethical Theories: Establishing and Justifying a Moral System. Ethics and Technology: Ethical Issues in an Age of Information and Communication Technology. H. Tavani, John Wiley and Sons Publishers: 27-43.

Values in Design

**Mandatory Readings:**

Friedman, B., P. H. Kahn, et al. (2006). Value Sensitive Design and Information Systems. Human-Computer Interaction in Management Information Systems: Foundations. P. Zhang and D. Galletta. New York, M.E. Sharpe: 348-372.

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Brey, P. (2010). Values in Technology and Disclosive Computer Ethics. The Cambridge Handbook of Information and Computer Ethics. L. Floridi. Cambridge, Cambridge University Press: 41-58.

Friedman, B. and H. Nissenbaum (1997). Bias in Computer Systems. Human Values and the Design of Computer Technology. B. Friedman. Cambridge, Cambridge University Press: 21-40.

## Surveillance

**Mandatory Readings:**

Lyon, D. (2015). "The Snowden Stakes: Challenges for Understanding Surveillance Today." Surveillance & Society 13(2): 139-152. <http://library.queensu.ca/ojs/index.php/surveillance-andsociety/article/view/snowden_stakes/stakes>

**Suggested Optional Readings:**

Gad, C. and P. Lauritsen (2009). "Situated Surveillance - An Ethnography of Fisheries inspection." Surveillance & Society 7(1): 49-57. <http://library.queensu.ca/ojs/index.php/surveillance-and-society/article/view/3307/3270>

Greenwald, G. (2014). The harm of surveillance. No place to hide. G. Greenwald, Metropolitan Books: 170-209.