



When Cyber Security threatens the values we aim to protect

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Two topics



- 1. Privacy and cybersecurity**
- 2. Local information security with privacy implications**

**Both topics cries
for your attention**

What is data protection all about?



- Greatest possible degree of self-determination and control of personal data
- Least interfering way of processing
- Information about what is registered
- Right to access the same information
- Good internal procedures for handling the information.
- and good information security
- Respect for the autonomy of the person



What is data protection all about? ...



- Information security is a prerequisite for privacy
- Good information security alone is not good privacy
- The dilemma: Good information security will in many cases involve a form of control operations and interfere with privacy
- And good information security may be an excuse to not attend to other important privacy considerations.



1. Privacy and cybersecurity

A challenging world of today



- We do have challenging security issues
 - 9/11, Madrid, London, 22th July, Paris ...
- We strive for actions at national and international level
 - Monitoring procedures
 - Terror laws
 - Interception and backdoors
 - Anti-encryption
 - Data retention
 - Mass surveillance shown by the Snowden affair
- All with a cost of reduced privacy

The effect



- Does this affect us negatively?
 - Are we afraid to communicate?
 - Are we afraid to send an email to our psychologist or old girlfriend
 - Are we afraid to communicate with a little weird political organization or an organization for those with the different sexual attitude.
- The day we say YES to these questions, we have lost a very significant social value.

The effect



- Those voices first silenced are those that are most important to protect in a free and democratic society

The answer – a balanced approach



- That's why we must constantly strive for a balance between privacy and surveillance,
- ...and between privacy and information security.

- We must secure our society, but we must not create a society that is so safe that we lose our freedom

Your responsibility



- We need research, academic voices and engineering expertise that calls for this balance
- ... and gives us the tools to obtain this balance
- The money and drive often comes from justice, police and military and those with high need of security
- Security research will have greater legitimacy and greater impact if the interests of privacy and civil society are listened to. Herein also included privacy



- Center for Cyber and Information Security ([CCIS](#)) is a partnership with national cyber security public and private stakeholders, with Gjøvik University College as the hub
- The center has from the start worked on setting up privacy as one of the key research topics. The funding in the start has however not been directed at privacy research
- Finally a professorate in privacy and information security is now set up [Apply here](#) 😊
- In the eyes of the DPA this is a milestone



2. Local information security with privacy implications



Don't create bad privacy when you work hands-on with information security

Tools with negative implications



- Logging
 - Log analysis
 - MDM
 - DLP
 - DPI
 - Etc.
-
- The use can either be balanced, unbalanced, or just plain terrible



- Respect the right of privacy at the work place
- Use your technical strength to choose, configure or even create tools that both respect privacy and give sufficient information security
- At a technical level and at an organisational level
- PIA, DPIA, PbD, PETs
- PIA & PBD is soon to be requirements

The future



- The security specialist without understanding of privacy is as useless as ...
...the engine engineer with no understanding of environmental issues
- Sell security – but sell it with privacy safeguards

The end



- This was not a call for less security
- It was a call for the lot of you (politicians, management, academics and engineers) to strive for a more balanced approach.
- Can we please have both?

Thank you!



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