



Privacy, Security and Surveillance

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Overview

- Individual and Societal Security
- Security of Communications
- Security Technology
- Secret States
- Conclusions



Individual and Societal Security

- Privacy: the Freedom to be Left Alone
- Security: Freedom from *Unwarranted* Intrusion
- The Right to Dissent
- Safety Valves
- Assumption of Innocence
- Conspiracy, Risk, (Potential for) Abuse of Power
- David Petraeus Scandal

Security of Communications



- Warrants: Check and Balance: Principle of Targetting
Resource limitation; technology multiplies power imbalances
- US Katz case
- Declarations of Human Rights:
Private and Family Life \Rightarrow communications security
- Spying on Merkel? Isn't that their job?
- Spying on all Germans? Wasn't that the Stazi's job?
- Snowden accessed Meta-data on NSA/GCHQ ops?
Who has access to operational data?



Security Technology

- Money and Power: Buying Security?
- Prisoners' Dilemma and Network Effects:
Your security is only as good as *my* security
- Reducing the effectiveness of encryption algorithm standards.
- Security tech is hard enough to do already (Heartbleed)
- Buying exploits:
creating a market — creating supply/suppliers — who else is buying?
- The DRM fallacy again?



Secret States

- “You can’t handle the truth”?
- Prevention of legal advice
- Full force of the state on one sysadmin (one sysadmin struck back)
- Lavabit: Complete Transparency, not Warranted Access
- Whistleblowing to Oversight?
Subject to Surveillance (UK HMRC)

Conclusions



- Life is risky
- Surveillance creates problems as well as solves them
- Do secret states drive out democracy?
- Measure of Success?
 - Self-denying prophecies or self-perpetuating oligarchies?
 - What we achieve or how we achieve it?
 - No prevention, investigation or prosecution linked to telephone (meta-)data program
- We know the police investigate people, we sometimes know it's us and sometimes not, why are spooks any different?
- One World, One NSA (and one GCHQ), One Bucket of Bits?