

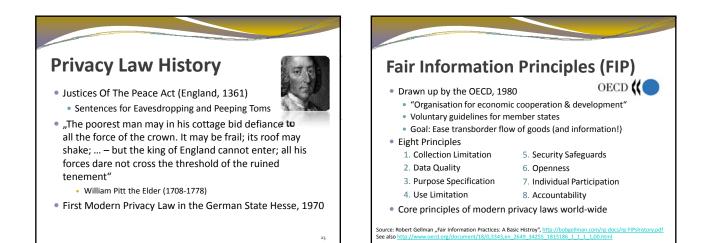




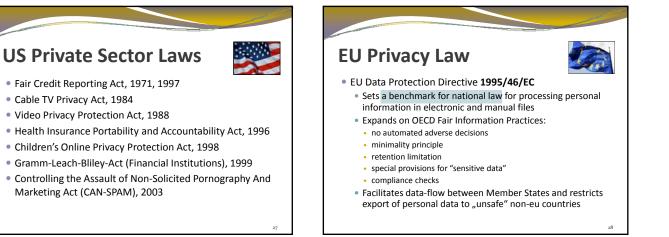
- Natural
- Physical limitations (doors, sealed letters)
 Social
- Group confidentiality (doctors, colleagues)
- Spatial / Temporal
- Family vs. work, adolescence vs. midlife
- Transitory
 - Fleeting moments, unreflected utterances



















- Telecommunications Directive 97/66/EC
 Added specific rules for telecommunications systems
- Privacy & Electronic Comm. Directive 2002/58/EC
 - Updates 97/66 to cover "electronic communications"
- Data Retention Directive 2006/24/EC
 - Adds provisions for retaining {call, email, Web}-logs
 - Data must be stored for 6-24 months
 - Member states can go beyond what 2006/24 mandates

for curr



Why Privacy?

 "A free and democratic society requires respect for the autonomy of individuals, and limits on the power of both state and private organizations to intrude on that autonomy... privacy is a key value which underpins human dignity and other key values such as freedom of association and freedom of speech..."



- Preamble To Australian Privacy Charter, 1994
 "All this secrecy is making life harder, more expensive, dangerous and less serendipitous"
 Peter Cochrane, Former Head Of BT Research
- You have no privacy anyway, get over it
 Scott Mahaphy CEO Sup Microsystems 1005
- Scott McNealy, CEO Sun Microsystems, 1995



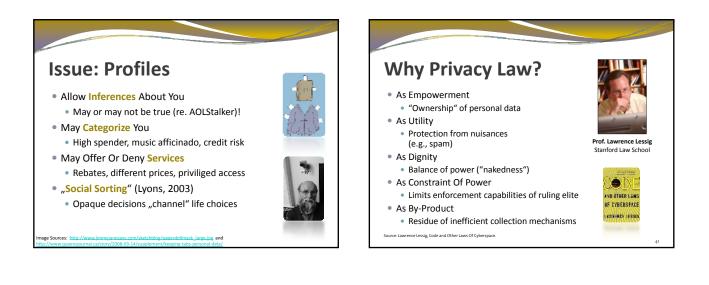
- · 60.00
- "If you've got nothing to hide, you've got nothing to fear"
 - UK Gov't Campaign Slogan for CCTV (1994)
- Assumption
- Privacy is (mostly) about hiding (evil/bad/unethical) secrets
- Implications
 - Privacy protects wrongdoers (terrorists, child molesters, ...)
 - No danger for law-abiding citizens
 - Society overall better off without it!





 "Give me six lines written by the most honorable of men, and I will find an excuse in them to hang him"

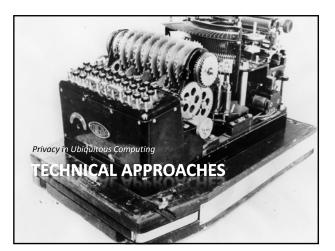
> Armand Jean du Plessis, 1585-1642 (a.k.a. Cardinal de Richelieu)













Ubicomp Privacy Implications Changing the Playing Field • Data Collection ("more transactions") Ubicomp: The Reversal of Defaults Scale (everywhere, anytime) What was once hard to copy is now trivial to duplicate Manner (inconspicuous, invisible) What was once forgotten is now stored forever Motivation (context!) What was once private is now public Data Types ("not without computers") Observational instead of factual data Challenges for Society Data Access ("more easily accessible") New ways of public/private life? "The Internet of Things" New balance between the individual and society? • Who is in charge?



