

Privacy

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What's different about the home?

- Greater expectations of privacy
- Vulnerable populations
- Home-specific technologies/devices

“A home is a place of residence or refuge and comfort. It is usually a place in which an individual or a family can rest and be able to store personal property.” [Wikipedia]

Sample home scenarios

- Toy robot with a camera that advertises an open ad-hoc wireless network
- Data collection for smart grid applications
- Monitors for chronic health conditions

What can we do as technologists?

- Create **usable** technologies that enable
 1. Awareness
 2. Prevention
 3. Deterrence
- Advocate for appropriate public policy that
 - ...defines what data is considered private
 - ...restricts uses of data to those explicitly agreed on

A promising technology?



Promising research areas

- Data repository that is owned and controlled by individuals (e.g., Virtual Individual Server, Personal Data Vault, Purple)
- Active monitoring/auditing of data leaks and data aggregation (e.g., MyBigBrother)
- Usable languages for specifying privacy preferences