

## Embed Privacy Into Your Business Practices: Positive-Sum, Not Zero-Sum

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### **Presentation Outline**

#### 1. The Future of Privacy: Positive-Sum NOT Zero-Sum

### 2. The Next Wave: From PETs to PETs Plus, ... to Transformative Technologies

3. Privacy by Design: Focus for 2009

4. Conclusions





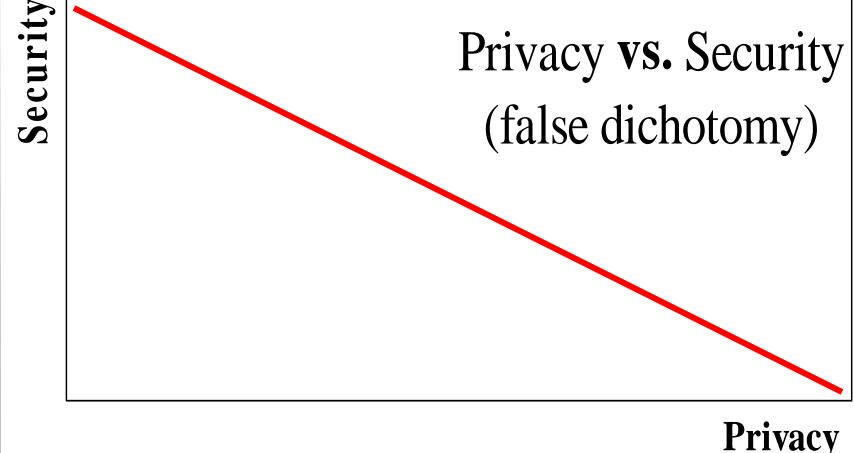
## The Future of Privacy:

## Positive-Sum NOT Zero-Sum





### **Privacy OR Security:** *A Zero-Sum Game*





# We Need to Change The Paradigm





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### **Positive-Sum Paradigm**

- A Zero-Sum Paradigm describes a concept or situation in which one party's gains are balanced by another party's losses win/lose; either/or; enhancing security often comes at the expense of privacy the more you have of one, the less you can have of the other;
- A **Positive-Sum Paradigm**, in contrast, describes a situation in which *all* participants may gain together (win-win);
- To achieve a positive-sum model, privacy must be proactively built into the system so that privacy protections are engineered directly into the technology, right from the outset;
- The effect is a minimization of the unnecessary collection and use of personal data by the system, while at the same time, strengthening data security, and empowering individuals to exercise greater control;
- This can result in technologies that achieve strong security *and* privacy, delivering a "win-win" outcome.



### **Positive-Sum Model**

Change the paradigm from a zero-sum to a positive-sum model: Create a "win-win" scenario, not an "either/or" involving unnecessary trade-offs



## Privacy by Design: "Build It In"

- I first developed the term "Privacy by Design" in the 1990's, as a response to the growing threats to online privacy that were beginning to emerge;
- "Privacy by Design" seeks to build in privacy up front, right into the design specifications; into the architecture; embed privacy right into the technology used *bake it in*;
- Data minimization is key: minimize the routine collection and use of personally identifiable information – use encrypted or coded information whenever possible;
- Use privacy-enhancing technologies (PETs) where possible: give people maximum control over their own data.





## The Next Wave: From PETs to PETs Plus, to **Trans Tech**



### Background: Privacy-Enhancing Technologies (PETs)

- The IPC coined the concept and methodology recognized around the world today as *privacy-enhancing technologies* (PETs);
- In 1995, the IPC and the Dutch Data Protection Authority published the landmark study, *Privacy-Enhancing Technologies: The Path to Anonymity* (Vols. I & II).

Vol. I - <u>www.ipc.on.ca/index.asp?layid=86&fid1=329</u> Vol. II - <u>www.ipc.on.ca/images/Resources/anoni-v2.pdf</u>





### **Time For A Change...**

### ... from PETs to PETs Plus, to ... Transformative Technologies





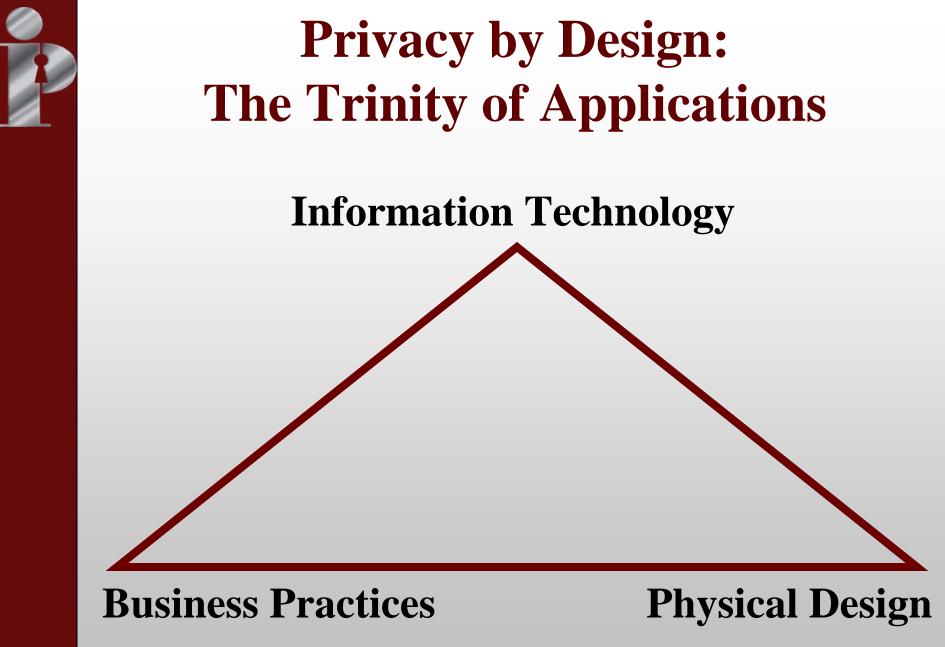
### **Transformative Technologies**

#### Surveillance Technology + Positive-Sum Paradigm + Privacy-Enhancing Technology = <u>Transformative Technology</u>

#### **Common characteristics of Transformative Technologies:**

- Minimize the unnecessary collection, disclosure, use and retention of personal data;
- Empower individuals to participate in the management of their own personal data;
- Enhance the security of personal data, if collected/used;
- Promote public confidence and trust in personal data governance structures;
- Promote/facilitate the commercialization and adoption of these technologies.









### Privacy by Design: Focus for 2009

- **Technology** Building privacy directly into technology at the developmental stage;
- **Business Practices** Incorporating privacy into competitive business strategies;
- **Physical Design** Ensuring privacy and security in health care settings.





### Conclusions

- Let's lead with privacy by design change the paradigm from a zero-sum game to a positive-sum model, where both privacy and security are embedded directly into the technology;
- Change the paradigm and you think differently: Make it privacy AND security, not the mutually exclusive "either/or;"
- Let's make sure that privacy lives well into the future!





### How to Contact Us

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