Organizations, Privacy, and You

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What are we talking about?

- Quick overview of data security and privacy
- Crash course on cloud communications
- Law vs. Technology

Knowledge is power... Knowledge is happiness.

Thomas Jefferson, 1817

The Tor Project, Inc.

501(c)(3) non-profit organization dedicated to the research and development of technologies for online anonymity and privacy

Some scary thoughts

- What information do you collect?
- Who has access to it?
- Where do you access it?
- How do you access it?

Some scary thoughts

- What information do you collect?
- Who has access to it?
- Where do you access it?
- How do you access it?
- Are you sure?

Crashing into data security

> **"** *Data security is the means of ensuring that data is kept safe from corruption and that access to it is suitably controlled. Thus data security helps to ensure privacy.*

https://secure.wikimedia.org/wikipedia/en/wiki/Data_security

Crashing into data security and privacy

- Encryption

Crashing into data security and privacy

- Encryption
- Access controls

Crashing into data security and privacy

- Encryption
- Access controls
- Backups

Crashing into data security and privacy

- Encryption
- Access controls
- Backups
- Masking

Crashing into data security and privacy

- Encryption
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- Erasure

Crashing into data security and privacy

- Encryption
- Access controls
- Backups
- Masking
- Erasure
- ISO/IEC 27002 Standard

Crashing into data security

Follow the data itself. Ignore the technology used to touch it.

Contracts are just wishful thinking...

- "You can't prove it was me!"

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Vendors and Contracts

Run from these phrases

- "Industry standard"

Run from these phrases

- "Industry standard"
- "Best practices"

One example...

We encrypt all data with industry standard encryption using best practices for key management.

Follow the bouncing data

Contracts vs. Reality

Let's go back through the bouncing data, except with a different view.

OMG nevar goin' on dar Internets again!

- Risk assessment

OMG nevar goin' on dar Internets again!

- Risk assessment
- minimization of harm

OMG nevar goin' on dar Internets again!

- Risk assessment
- minimization of harm
- containment

OMG nevar goin' on dar Internets again!

- Risk assessment
- minimization of harm
- containment
- work with your vendors

Questions?

Copyrights

- bouncing data, http://c3-ssi.com/?p=33
- toilet paper, Wikipedia,
  https://secure.wikimedia.org/wikipedia/en/wiki/File:Toiletpapier_%28Go
  cc-by-sa 2.5
- question mark, http://how-to-do-it.net/