Organizations, Privacy, and You

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August 8, 2011
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
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?
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.

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
- Access controls
- Backups
- Masking
- 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!"
Contracts are just wishful thinking...

- "You can’t prove it was me!"
- "Promise you won’t look"
Contracts are just wishful thinking...

- "You can’t prove it was me!"
- "Promise you won’t look”
- "Promise you won’t remember"
Contracts are just wishful thinking...

- "You can’t prove it was me!"
- "Promise you won’t look"
- "Promise you won’t remember"
- "Promise you won’t tell"
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?
bouncing data, http://c3-ssi.com/?p=33

toilet paper, Wikipedia, 
cc-by-sa 2.5

question mark, http://how-to-do-it.net/