



Connecting People With Technology



Data Security Training

8 Things to know about the MA Data Security Law

March 31, 2015



Welcome!

- **Thank you** for joining us today.
- Our training sessions are now quicker – just **30 minutes**
- If you want to follow from your office, go to www.ekaru.com / Go to “What’s New” on the right side of the page. The Presentation will open in a browser, click the down arrow in nav bar to advance slides.

Format

- For call clarity, this is a “listen only” call.
 - (Reason, cut down on ambient noise, avoid “call on hold music” – a bit tough though, because I can’t hear you!)
- If you have questions, please eMail to info@ekaru.com and we will try to include Q&A or we’ll follow up after.
- Call 978-692-4200 for help.

Workshop Mission

- Help you get more from the technology you already have.
- Introduce you to new technologies you need to know about.
- **GROW** your business and **PROTECT** your business

Data Security

- MA Data Security Law, HIPAA, other industry regulations ***require ongoing employee training.***
- Re-vamped on-line training to help keep training requirements up to date

Why?

TECH 30

Internet Explorer bug lets hacker control your PC

CNNMoney



Target Data Breach: It gets worse

Microsoft Patch Tuesday brings critical Explorer, Outlook fixes



CryptoLocker's crimewave: A trail of millions in laundered Bitcoin

Update Flash, Shockwave ASAP!
Adobe also patches Acrobat and Reader

In Wake of Home Depot Breach, Report Says 43% of Companies Are Victims

Everything you need to know about Yahoo's security breach

'Master key' to Android phones uncovered

A "master key" that could give cyber-thieves unfettered access to almost any Android phone has been discovered by security



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End Users

- Often lack of knowledge is the weakest link... **"Endpoints"**
 - Bromium Report: 75% say end users are the biggest security problem
 - Verizon Data Breach Intelligence Report: 71% of breaches were the result of an attack on end user devices.

Massachusetts Data Security Law

- Applies to all businesses (and non profits)
- Personal Information
 - First Name or Initial + Last Name
 - Identifying information
- Your industry may have additional requirements (HIPAA, etc)

Technology requirement #1

1. **“Secure user authentication protocols including:**

- (a) control of user IDs and other identifiers;
- (b) a reasonably secure method of assigning and selecting passwords, or use of unique identifier technologies, such as biometrics or token devices;
- (c) control of data security passwords to ensure that such passwords are kept in a location and/or format that does not compromise the security of the data they protect;
- (d) restricting access to active users and active user accounts only; and
- (e) blocking access to user identification after multiple unsuccessful attempts to gain access or the limitation placed on access for the particular system;”

... Technology Requirement #1

- ***Strong Passwords:*** include 8 or more characters, include uppercase letters, lowercase letters, numbers, and symbols. Never use a word in the dictionary.
 - *123456: Most popular password = bad idea!*
- *90 Day Password Policy.*
- *Domain authentication should be used for businesses with a server.*
- *"Technically feasible" – not all applications have password policies*

Technology requirement #2

- **“Secure access control measures that:**
- (a) **restrict access** to records and files containing personal information to those **who need** such information to perform their job duties; and
- (b) assign **unique identifications plus passwords**, which are not vendor supplied default passwords, to each person with computer access, that are reasonably designed to maintain the integrity of the security of the access controls;”

Technology requirement #3

- **“(3)Encryption of all transmitted records and files containing personal information** that will travel across public networks, and encryption of all data containing personal information to be transmitted wirelessly.”
- *Do not email personal information. Instead use encrypted email or encrypted file transfer.*
- *Maintain wireless network encryption.*
- *WPA NOT WEP Encryption*
- *Password protection is NOT encryption!*

eMail Encryption

- Sign up for a free trial at <http://voltage.ekaru.com/>

Voltage security | **SecureMail Cloud™** | **Ekaru**

contact | **cloud login**

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On-Demand Encryption

Rapid and cost-effective options to secure collaboration with business partners and clients

- ▶ Rapid project ramp up and get going fast
- ▶ Lowest cost on-demand service
- ▶ Minimized IT overhead
- ▶ Full integration with on-premise solution
- ▶ Email, Files and Documents protected wherever they go

View the Voltage SecureMail experience ▶

Easy to Use Email, File and Document Encryption

Protect client confidentiality with easy to use, on-demand email, file and document encryption

- ▶ Designed for Business Professionals
- ▶ Easy to use, no setup required
- ▶ No software and no purchase needed for recipients
- ▶ Integrates with Microsoft Office 2007
- ▶ Low cost subscription

View the Voltage SecureFile experience ▶

SecureMail Cloud Demo

See how users experience SecureMail Cloud
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Free Trial

Try Voltage SecureMail Cloud for 30 days
Click to Try **FREE**



Technology requirement #4

- “Reasonable **monitoring of systems, for unauthorized use** of or access to personal information”;

Technology requirement #5

- **“Encryption of all personal information stored on laptops or *other portable devices**;”** (*hard drives, USB sticks, tapes, DVDs, etc*)
 - Newer laptops – Hard drive encryption built in – need to set up.
 - Trucrypt**, PGP
 - *If technically feasible*

Technology requirement #6

- **“For files containing personal information on a system that is connected to the Internet, there must be reasonably up-to-date firewall protection and operating system security patches, reasonably designed to maintain the integrity of the personal information.”**

Technology requirement #7

- “Reasonably **up-to-date versions of system security agent software** which must include malware protection and reasonably up-to-date patches and virus definitions, or a version of such software that can still be supported with up-to-date patches and virus definitions, and is set to receive the most current security updates on a regular basis.”

Technology requirement #8

- **“Education and training** of employees on the proper use of the computer security system and the importance of personal information security.”
- *Users often break basic rules for “convenience”. Education is needed to prevent this.*
- Risk analysis is an ongoing process
 - Business changes, Technology changes

Things to think about...

MA Data Security law requires a
**WRITTEN INFORMATION
 SECURITY PLAN (WISP)**

Do you have a policy?

- BYOD – Bring Your Own Device
- BYOA – Bring Your Own APP
- Can you measure your compliance?
- Think “Layers”

THANK YOU!

- For more info:
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 - <https://www.youtube.com/user/EkaruIT>
- Please send us your questions!
- Call any time: 978-692-4200