


Safekeeping Data: Beyond Password Protection

Presented by Joe Howland
Session # 7



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Grand Prize - iPad Mini

Life's hard, it's fixed

All day, every day

Touch ID fingerprint sensor


Don't forget to fill out your card!



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Overview

We are storing more and more information each year and our reliance on electronic data has become critical.



NEWS - SHOWS - LIVE -

Florida city pays \$600,000 to hackers who seized its computer system



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Security Breach Statistics

2019 Verizon Data Breach Investigations Report...

- The **Public Sector** was attacked and breached more often than any other vertical
- **95%** of successful attacks started in email

2018 Annual Breach Survey from the Ponemon Institute

- Average cost of data breach for a public sector organization was **\$2.3 million**, averaging \$75 per record.
- Mean time to **identify a breach** was **190 days** and the mean time to **contain a breach** was **57 days**.



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Multi-Factor Authentication (MFA)

Protection when a password is compromised

- A second form of validation in addition to a password
- Validation can be accomplished through any of the following:
 - Mobile app – via code or “push to confirm”
 - Specialized key fob
 - Smart Card
 - Finger print
 - Text message – (Not the best option.)



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Data Access Controls

Principle of least privilege

Old Model

- Users can access data they don't need

New Model

- Grant users access *only* to the data they need to do their job

A user can't encrypt data they can't access!



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Data Loss Prevention

Sharing data has never been easier.

Make sure you don't share too much.

- It is likely that SS #s, CC #s, bank routing #s, PII are all stored on your network
- Data can be shared through any of the following:
 - Cloud data shares – OneDrive, SharePoint Online, DropBox, Google Drive, ShareFile, Box.com
 - E-Mail
- Software solutions can prevent confidential data from being shared from the cloud or sent via email



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Backing up your data

Regardless of solutions you put in place, it is possible someone will bypass your security measures

- Ensure all data is backed up by a reputable backup solution (Not just a data copy to an external drive)
- Maintain multiple retentions of your backups
- Separate backup data and production data
 - IE. Replicate to the cloud, take a drive off site, etc.
- Know how long it will take to restore your data



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Thank You!

Stop by our booth to learn more.

Joe Howland

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Saturday

9:45 a.m. - Crafting a Social Media Policy

11:45 a.m. - Streamlining Business License Applications

1:10 p.m. - Text Messaging Archiving Basics

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Don't forget to turn in your card!

LESS than a pinch

Windows Work

Client

Windows work

any question?

How do you feel about family instead of our client? Please a card would be nice. We need an idea. Windows Work (2018) with the business?

Touch ID fingerprint sensor

All day in my life

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