





"The Cyber ID Thief"

On a "black hat" website, Myra learns how to write a SQL Injection script that allows her to gain access to PP&P's databases through their website.

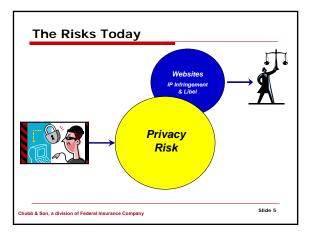
She is able to access and download over the Internet names, addresses and Social Security numbers of 1,500 PP&P clients. She then sells the information to mobsters in Eastern Europe.

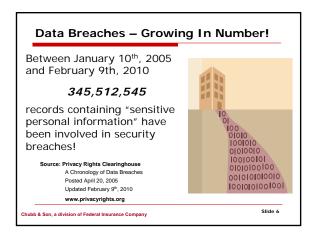
PP&P notifies their clients of the "breach" and some join a class action suit against PP&P.



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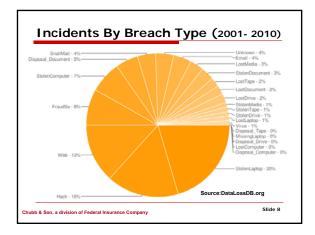
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Rank or Sale	Rank Requested	Goods and Services	Percentage for Sale	Percentage Requested	Range of Prices
1	1	Bank account credentials	18%	14%	\$10-\$1,000
2	2	Credit cards with CVV2 numbers	16%	13%	\$0.50-\$12
3	5	Credit cards	13%	8%	\$0.10-\$25
4	6	Email addresses	6%	7%	\$0.30/MB-\$40/MB
5	14	Email passwords	6%	2%	\$4-\$30
6	3	Full Identities	5%	9%	\$0.90-\$25
7	4	Cash-out services	5%	8%	8%-50% of total value
8	12	Proxies	4%	3%	\$0.30-\$20
9	8	Scams	3%	6%	\$2.50-\$100/week for hosting: \$5-\$20 for desig
10	7	Mallers	3%	6%	\$1-\$25



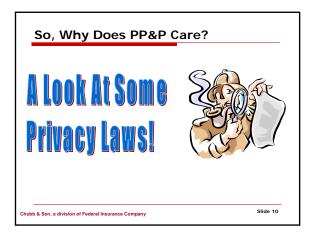




The EMiami Heralb Miami hacker accused of record credit card theft Mages 18th, 2001 Wrob Barkty, Michael Sallah and Nirky Shah RadrygmanhireRad Com And Shaharyaman Ferance Com And Shaharyaman Ferance Com And Shaharyaman Herald Com

government informant who broke records last year in the largest credit card fraud case in U.S. history, shattered his own mark this week, prosecutors say. The 28-year-old hacker who launched his career cruising Dike Highway with a laptop to break into the security systems of box stores was indicted Monday in New Jersey in an elaborate scheme to steal more than 130 million credit cards – reselling them on the worldwide black market.

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Developing State Laws

- Massachusetts Effective March 1, 2010
 - Requires encryption of confidential data when it is on a mobile device
 - Includes additional, robust security requirements for holders of personal information of Massachusetts residents
- Nevada Effective January 1, 2010
 - Requires encryption of personal information held by any "data collector" doing business in Nevada when such data is transmitted or transported on a mobile device, off the collector's premises.

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Gramm-Leach-Bliley Act

Financial Services Modernization Act of 1999 requires that financial institutions:

- "ensure the security and confidentiality of customer records and information;
- protect against anticipated threats or hazards to the security or integrity of such records;
- and protect against unauthorized access to or use of such records or information which could result in substantial harm or inconvenience to any customer."

Generally criticized by privacy advocates because enforcement rests solely with Federal regulators and the individual has no private right of action.

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ΗΙΡΑΑ

Health Insurance Portability and Accountability Act of 1996

- Health care organizations must "maintain reasonable and appropriate technical and physical safeguards to prevent intentional or unintentional use or disclosure of protected health information.
- □ Safeguards must apply to both transmission of information, as well as storage.

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HIPAA Update - 2009 Requires notification within 60 days of a privacy breach involving an individual's HIPAA-covered personal health information Requires business associates to meet most security requirements that previously applied only to covered entities. Authorizes state attorneys general to bring suit for HIPAA violations Requires notification of the Department of Health & Human Services and the media in

Requires notification of the Department of Health & Human Services and the media in privacy breaches involving 500 or more individuals.

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Other Federal Regulators & Legislation

Security & Exchange Commission

Sarbanes-Oxley Act

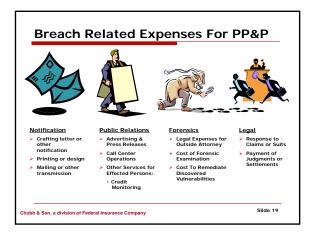
Federal Trade Commission

Section 5 of The Federal Trade Commission Act prohibits unfair methods of competition and unfair or deceptive trade practices.

In August 1994, Congress amended the Act to provide that an act or practice is unfair if the injury it causes or is likely to cause to consumers is 1) substantial; 2) not outweighed by countervailing benefits to consumers or to competition; and 3) not reasonably avoidable by consumers themselves."

http://www.ftc.gov/opp/gpra/append1.shtm

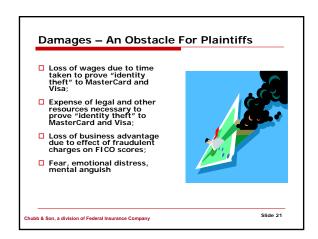
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Activity	Percent	Dollar
vestigation & Forensics	8%	\$16
udit & Consulting Services	12%	\$24
Outbound Contact	6%	\$12
nbound Contact	5%	\$10
ublic Relations/Communications	1%	\$2
egal Services - Defense	14%	\$29
egal Services - Compliance	2%	\$4
ree or Discounted Services	1%	\$2
dentity Protection Services	2%	\$4
ost Customer Business	40%	\$82
sustomer Acquisition Cost	9%	\$18
Total	100%	\$204

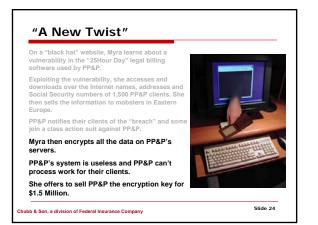


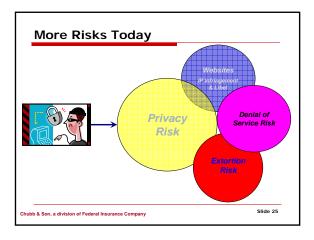


Traditional Insurance Coverage?

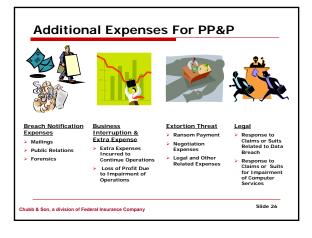
ISO Commercial Property?	Electronic Data Extension only addresses loss or damage to data which has been <i>destroyed or</i> <i>corrupted</i> by a covered cause of loss.
Commercial Crime Form?	No coverage due to the Definition of "Other Property" and the Exclusion of "Indirect Loss".
General Liability Policy?	Addresses only physical injury to persons or tangible property, as well as the Insured's publication of material that violates a person's right to privacy.
Professional Liability Policy?	May be limited by the description of "Professional Services" or by Exclusions for "Invasion of Privacy".
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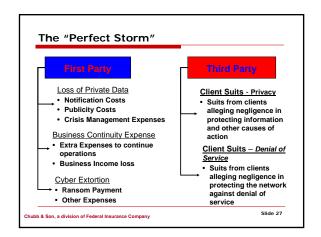














Don't Think That This Can Happen?

The Bloomberg Scenario

AU9057 22, 2000 SECURITY NET By Alex Salkever



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Slide 29

Cyber-Extortion: When Data Is Held Hostage d a payoff to keep their ions hackers who den

Under most circumstances, a business decision invekting \$200,000 wouldn't be importent enough to require a personal appearance from the CEO of a \$2 billion component, let alone appearail top is Landon from New York. But media stars Michael Boumberg made such a top Aug. 10 And the did it to prove that cyberentotico will not go urganished it his company.

ed Oleg Zezov, 27, and Igor Yasimaka, 37, who were allegedly demanding \$200,000 in "consulting" lees. For this, they ad the Byzertine Bioonberg computer systems, an exploit the Kazakhu allegedly proved by a-mailing Bioonberg the here wert to meet with two Kazahki ould reveal how they had allegedly compro coograph from his own corporate ID badge

With thousands of financial institutions and other customers trading billions of dollars daily in stocks and bonds based on information from Bloomberg term of a hacked protom could have some capacitophic to both the media company and its Wall Street customers. inals, the threa

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e facing more and more e-b

The Boston Globe

By Kelly Olsen Associated Press Writer / July 8, 2009

SEOUL, South Korea—North Korea, which has been firing missiles and spewing threats against the United States, has been identified by South Korea's main spy agency as a suspect in the cyber attacks targeting government and other Web sites in the U.S. and South Korea.

The attacks began paralyzing Web sites in the U.S. over the July 4 U.S. Independence Day holiday weekend and in South Korea on Tuesday and Wednesday. A South Korean computer security company said that another wave of cyber attacks was expected in South Korea later Thursday.

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"Phishing" E-Mail Example Bank of America Higher Standards **Restore Your Online** Access Because of unusual number of invalid login attempts on you account, we had to believe that, their might be some security problem on you account. So we have decided to put an extra verification process to ensure your identity and your account security. and your account security. sick on sign in to Online Banking rule to the verification process ure your account security. It is t your security. Thank you, and ruletome securice section. Slide 30 Chubb & Son, a division of Federal Insurance Company

What's "Social Engineering"?



Spear Phishing

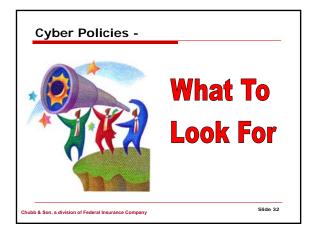
An employee in Zircon Manufacturing's treasury department receives an e-mail, purportedly from the client liaison at Zircon's bank, saying that some of the bank's files have been corrupted and asking the employee to send the client representative Zircon's correct account numbers and passwords.

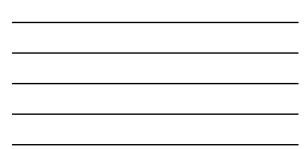
The employee complies.

Over the following weekend, \$500,000 is fraudulently transferred out of Zircon's account.

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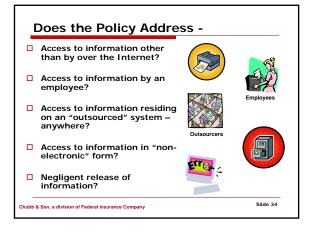
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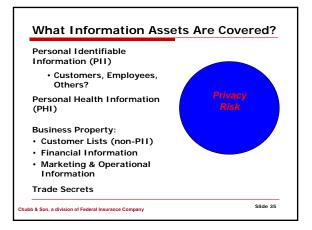












Crisis Management Considerations -

- Notification Expenses When required by law or on a voluntary basis? Insurer pre-approval required?
- Credit Monitoring Expenses
 For a stipulated period of time and/or under specified
 circumstances?
- Crisis Management Expenses (including legal analysis expense) Including expenses related to legal analysis, as well as public relations?

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