

Why is this National Cyber Security Month?

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National Cyber Security Awareness Month

Created as a collaborative effort between government and industry to ensure every American has the resources they need to stay safer and more secure online.

STOP.THINK.CONNECT

www.StaySafeOnline.org

JP Morgan Chase Hacking Affects 76 Million Households

The Washington Post | 10/3/14

- Cyberattacks this summer compromised the accounts of 76 million households and 7 million small businesses
- Unlike retailers, JP Morgan has financial information in its computer systems that goes beyond customers' credit card details and potentially includes more sensitive data

“We’re making good progress on these and other efforts, but cyberattacks are growing every day in strength and velocity across the globe.”

-Jamie Dimon

JPMorgan’s Chairman and Chief Executive



Home Depot Confirms Data Breach, Investigating Transactions From April Onward

Forbes | 9/8/14

- According to Forbes, The Home Depot breach compromised as many as 56 million customer cards – 16 million more than the Target breach late last year which costs the retailer cumulative expenses of \$236M
- The Home Depot breach began at the end of April and continued for four months before being discovered. During the four months, cardholder data moved inside The Home Depot IT infrastructure and was transferred outside the company without anyone noticing

An Expensive Hack Attack: Target's \$148 Million Breach

WSJ | 8/5/14

- The massive breach of Target's computer systems in late 2013 was a costly one:
 - Financial institutions alone spent more than \$200 million in response, replacing millions of credit cards
 - Chief Information Officer and Chief Executive Officer both left their posts in its wake
 - Q2 results included \$148 million in expenses related to the breach
 - Total costs of the hack across all parties involved is likely over \$350 million

Japan Airlines Reports Hacker Attack

Wall Street Journal | 9/30/14

Japan Airlines Co. said it has become the latest target of hackers, with the possible theft of information linked from up to 750,000 of its frequent-flier program members.

Airline confirmed it found evidence of unauthorized access to its Customer Information Management System due to a virus attack on computer terminals within its network.

Interpol Opens Singapore Center to Fight Cyber Crime

Reuters | 10/2/14

- Interpol, the world's largest police organization, is opening a center in Singapore focused on fighting cyber crime
- China and the United States regularly trade accusations over cyber espionage
- **“Cyber crime is a truly transnational crime in nature,”** said Noboru Nakatani, executive director of Interpol's Global Complex for Innovation
- Computer security experts say developed, technology-rich Asian countries like Japan, South Korea, and Taiwan are particularly vulnerable to attacks.

Key Findings

The Global State of Information Security Survey 2015

www.pwc.com/gsiss2015

- The compound annual growth rate of detected security incidents has increased 66% since 2009.
- Average financial loss for cyber-security incidents across the globe is estimated at \$2.7 million, an increase of 34% from 2013.
- Cyber-security incidents have increased 48% so far this year, to 42.8 million, or the equivalent of 177,339 incoming attacks per day!

**There are 14 cyber crime victims every second,
over a million adults per day.**

-cybercrimestatistics.com

2014 Q1 Data Breaches

- Snapchat – suffered a security gap in January that resulted in phone numbers and usernames of up to 4.6 million accounts being downloaded
- Neiman Marcus – hackers had stolen information related to about 1.1 million payment cards of its customers
- AIG – information related to 774,723 customers had been taken on a hard drive by former financial adviser
- University of Maryland – suffered two breaches this quarter, the worst in February when hackers stole personal data related to 307,079 individuals
- IRS – employee took home personal information on about 20,00 individuals stored on a drive and loaded it onto an insecure home network
- *The list goes on and on.....*

2014 Recent Data Breaches

- Shellshock – first there was Heartbleed; now we have a vulnerability that is a bigger deal and allows attackers to control a system through “arbitrary code execution”
- Supervalu – retail store breach in mid-August 180 Supervalu stores and 836 affiliated stores (Albertsons)
- Jimmy John’s – 216 store locations were impacted and nearly 100 other restaurants that use their system may have been affected
- American Family Care – approximately 2,500 patients at American Family Care were told their personal information was at risk after two encrypted, password-protected computers were stolen
- *The list goes on and on.....*

Criminals Eye Markets For a Better Return on Investment

Financial Times | 9/24/14

Experts are warning that commodities and futures traders offer a lucrative target for fraudsters around the world

Cyber criminals could turn to the financial markets to make money – shorting stocks before attacking listed companies, buying commodities futures before taking down the website of a large company or breaking into computer systems to steal confidential mergers and acquisitions information before playing the markets.

Trading and data services are incentivized to be cheaper or faster, but not necessarily more secure

Encryption May Not Stop Snooping

UT San Diego | 10/3/14

- Both Apple and Google announced last week that their new operating systems will be encrypted, or rendered in code, by default
- Law enforcement officials could still intercept conversations but might not be able to access call data, contacts, photos and emails stored on the phone

The C-Suite gets the Message

- 53% are concerned about the effect of bribery and corruption on their business
- 49% of global CEOs are concerned about cyber threats to their organization
- 43% are concerned about inability to protect intellectual property





Questions?

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