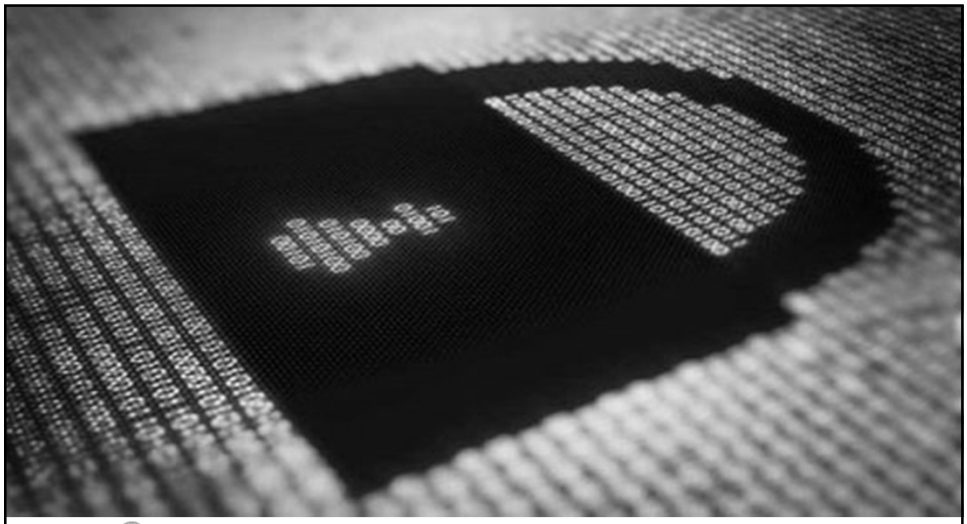

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Data Breach Investigations and Response

- Cyber threat landscape – who are these hackers?
- What to expect when work with law enforcement and perspectives on how we work these investigations
- Best practices in responding to and recovering from a data breach
- Private Sector/Government cyber collaboration

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Who Are the Cyber Attackers:

Hacktivists

Opportunistic and have numbers on their side. Aim is to maximize disruption and embarrassment to their victims.

Criminals

Motivated by financial gain, Sophisticated and calculated in selecting targets and often use more complex hacking techniques than activists. Once they gain access, they take any data that might have financial value.

Spies

Often state sponsored, use most sophisticated tools, very targeted attacks. They want IP, state secrets, financial data, or insider information.

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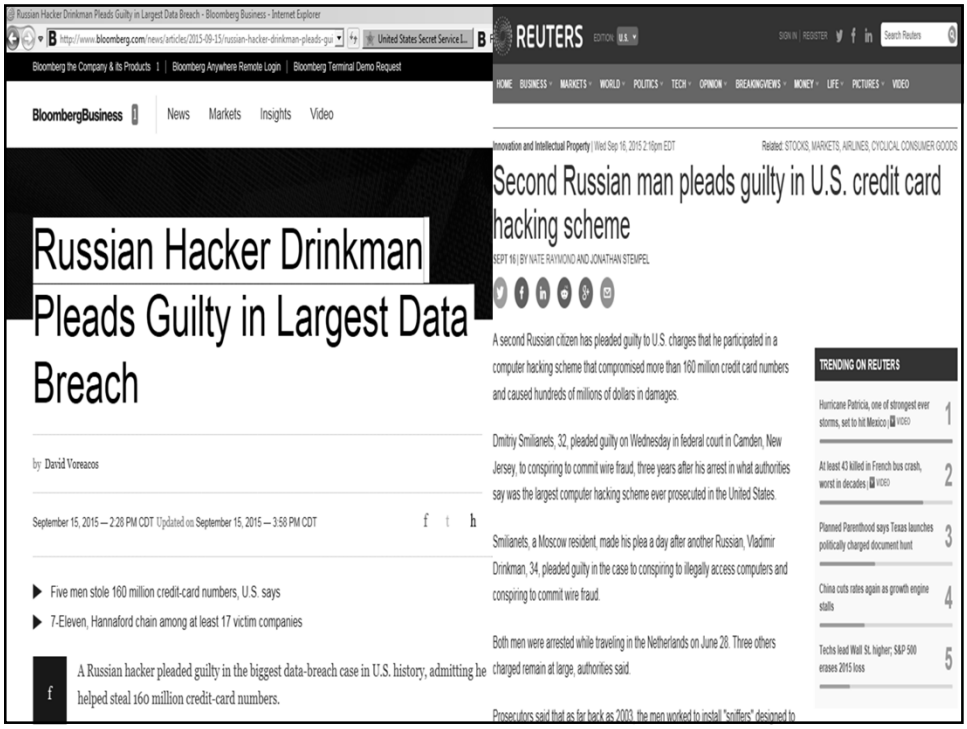

Russian Hacker Drinkman Pleads Guilty in Largest Data Breach - Bloomberg Business - Internet Explorer

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Russian Hacker Drinkman Pleads Guilty in Largest Data Breach

by David Voreacos

September 15, 2015 — 2:28 PM CDT Updated on September 15, 2015 — 3:58 PM CDT

- Five men stole 160 million credit-card numbers, U.S. says
- 7-Eleven, Hannaford chain among at least 17 victim companies

A Russian hacker pleaded guilty in the biggest data-breach case in U.S. history, admitting he helped steal 160 million credit-card numbers.

REUTERS EDITION U.S.

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Innovation and Intellectual Property | Wed Sep 16, 2015 2:16pm EDT

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Second Russian man pleads guilty in U.S. credit card hacking scheme

SEPT 16 | BY NATE RAYMOND AND JONATHAN STEMPEL

A second Russian citizen has pleaded guilty to U.S. charges that he participated in a computer hacking scheme that compromised more than 160 million credit card numbers and caused hundreds of millions of dollars in damages.

Dmitriy Smilianets, 32, pleaded guilty on Wednesday in federal court in Camden, New Jersey, to conspiring to commit wire fraud, three years after his arrest in what authorities say was the largest computer hacking scheme ever prosecuted in the United States.

Smilianets, a Moscow resident, made his plea a day after another Russian, Vladimir Drinkman, 34, pleaded guilty in the case to conspiring to illegally access computers and conspiring to commit wire fraud.

Both men were arrested while traveling in the Netherlands on June 28. Three others charged remain at large, authorities said.

Prosecutors said that as far back as 2003, the men worked to install "sniffers" designed to

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Who Are the Hackers?

Dmitrii Smilianets aka "SMI" Arrested in the Netherlands 2012

Dvladimir Drinkman aka "Anexx" Arrested in the Netherlands 2012

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Insiders

Use status/credentials as an employee or insider to willfully or inadvertently allow access and compromise sensitive data

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* Not just stealing copies of data, but altering or destroying it all together.

* Reinvesting profits to increase capabilities.

* Intents of nation states, criminal hackers and hacktivists are blurring.

* Ransomware and Business Email Compromise

* Chip and pin

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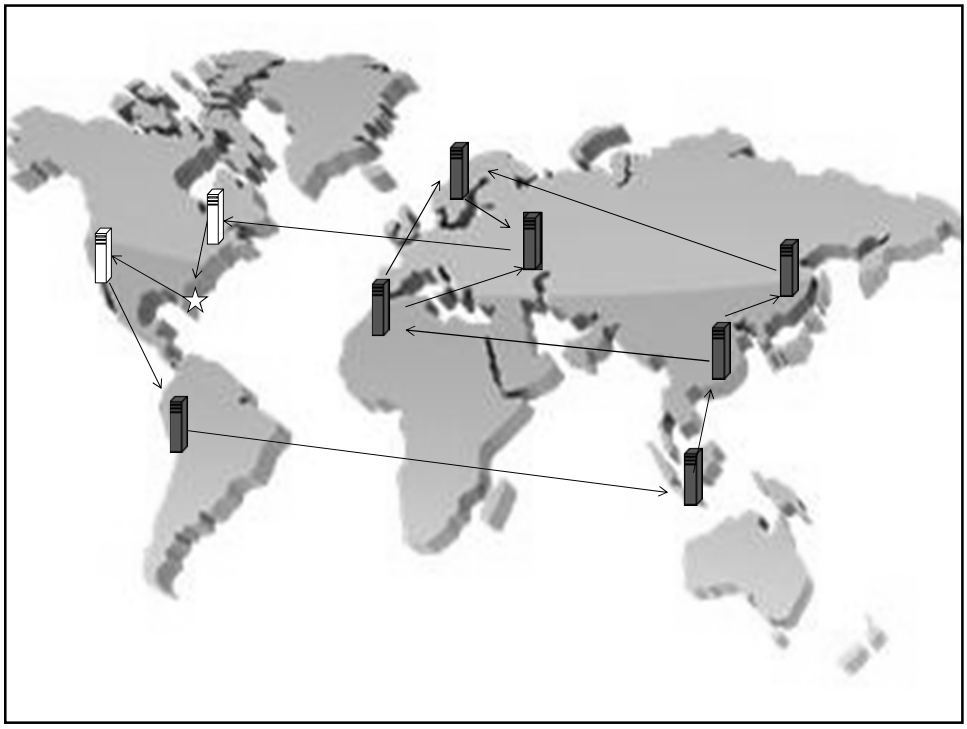
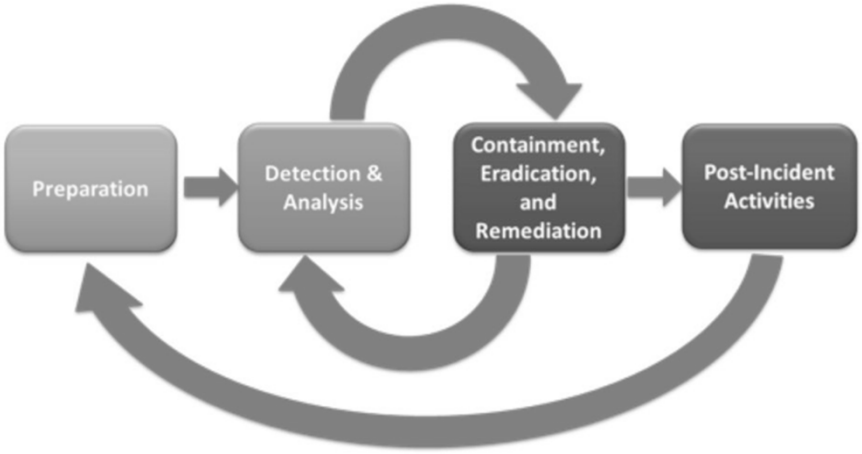


Data Breach Incident Response



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Cyber Threat Intelligence

- Verizon Data Breach Investigations Report:

  http://www.verizonenterprise.com/DBIR/2015/

- Trustwave Global Security Report

http://www2.trustwave.com/rs/trustwave/images/2015_Trustwave_Global_Security_Report.pdf

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