

What a semester!

A big thanks to the TAs

Ruofan, Kevin, and Chris

Social Engineering

Thierry Sans

Social Engineering

"The act of manipulating people into performing actions or divulging confidential information, rather than by breaking in or using technical cracking techniques." Wikipedia



Kevin Mitnick

Social engineering nowadays

- Panel on Social Engineering - Hope Conference Series

Hope number 9 (2012)

How a lying 'social engineer' hacked Wal-Mart

By Stacy Cowley @CNNMoneyTech August 8, 2012: 12:54 PM ET



LAS VEGAS (CNNMoney) -- A Wal-Mart store manager in a small military town in Canada got an urgent phone call last month from "Gary Darnell" in the home office in Bentonville, Ark.

Darnell told the manager Wal-Mart had a multi-million-dollar opportunity to win a major government contract, and that he was assigned to visit the handful of Wal-Mart stores picked as likely pilot spots. First, he needed to get a complete picture of the store's operations.

For about 10 minutes, Darnell described who he was (a newly hired manager of government logistics), the outlines of the contract ("all I know is Wal-Mart can make a ton of cash off it") and the plans for his visit.

Darnell asked the manager about all of his store's physical logistics: its janitorial contractor, cafeteria food-services provider, employee pay cycle and staff shift schedules. He learned what time the managers take their breaks and where they usually go for lunch.

Keeping up a steady patter about the new project and life in Bentonville, Darnell got the manager to give up some key details about the type of PC he used. Darnell quickly found out the make and version numbers of the computer's operating system, Web browser and antivirus software.

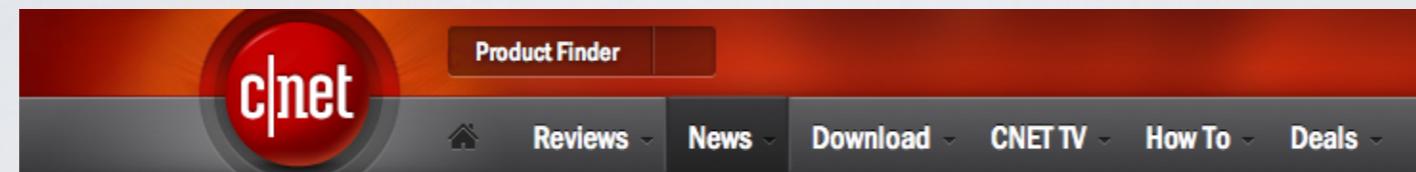
Link

Phishing

A modern version of social engineering

"The criminally fraudulent process of attempting to acquire sensitive information [...] by masquerading as a trustworthy entity in an electronic communication." Wikipedia

Phishing on Social Networks



The image shows the CNET website header with the 'c|net' logo and navigation links for Product Finder, Home, Reviews, News, Download, CNET TV, How To, and Deals.

CNET > News > Security & Privacy

Twitter users may be victims of direct message malware

Security analysts say that suspicious direct messages from Twitter friends with links to Facebook, which have been popping up lately, could be malicious "backdoor trojans."

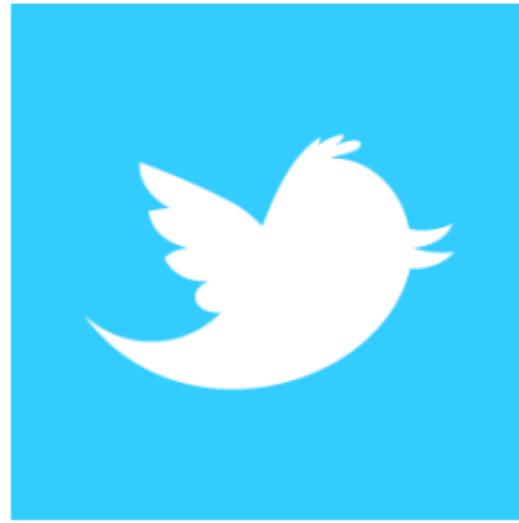
by Dara Kerr | September 24, 2012 10:27 PM PDT

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A friend of mine recently sent me a direct message on Twitter, it said "lol u didnt se them taping u" and had a link to Facebook. I hadn't remembered being taped in the past few days and I'd never seen my friend use this type of Twitter-shorthand, along with typos. To me, it was obviously spam.

I'm not the only one to be getting these spammy direct messages on Twitter that lead to bogus Facebook links. Apparently a lot of people have been complaining of these messages, according to Sophos analyst Graham Cluley who wrote about it on the [Naked Security blog](#).

Different variations of the direct messages include, "your in this [link] lol" and "lol ur famous now [link]" (I got this one too).



Phishing + Social Engineering = Spear Phishing

Syrian Electronic Army continues to carry out successful data-entry phishing attacks

August 20, 2013 By Aaron Higbee — [Leave a Comment](#)

When the Syrian Electronic Army nailed a number of prominent media outlets earlier this year, we were pleased to see a number of open and honest responses from those that were breached, notably from [The Onion](#) and [The Financial Times](#).

Last week, the SEA was at it again, [successfully hacking content recommendation service Outbrain](#), an attack which provided a foothold to compromise media behemoths [The Washington Post](#), [Time](#), and [CNN](#). The SEA attacked Outbrain with largely the same tactics it has used so successfully in the past few months, by eliciting log-in credentials through a phishing email, the same tactics PhishMe simulates in our data entry scenarios.

Phishing as a service a.k.a phishing kit

1/12/2007
07:15 AM

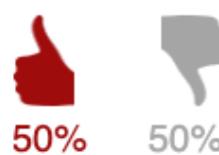


Tim Wilson,
Editor in Chief,
Dark Reading
News

 0 COMMENTS

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For Sale: Phishing Kit

RSA analyzes a new, universal package that lets attackers launch man-in-the-middle phishing exploits

Going phishing just got a lot easier.

RSA this week said it has discovered what it calls the Universal Man-in-the-Middle Phishing Kit, an all-in-one package that provides the raw materials to launch sophisticated phishing exploits that appear to be operating on legitimate Websites.

The kit lets buyers create man-in-the-middle attacks, in which the victims communicate with a legitimate Website via a fraudulent URL set by the fraudster. This allows the fraudster to capture victims' personal information in real-time.

RSA's analysts researched and analyzed a demo of the kit that was being offered as a free trial on one of the online fraudster forums. The kit can be purchased for about \$1,000, according to reports.

“Security” Questions

The problem of security questions

“A 2009 study from Microsoft Research found that acquaintances could answer such security questions 17 percent of the time, and strangers didn't fare too much worse, answering correctly within five tries 13 percent of the time, though that high figure may have been the result of a homogeneous sample.”

Mat Honan - Wired

[Link](#)

How Apple and Amazon Security Flaws Led to My Epic Hacking

By Mat Honan [✉](#) August 6, 2012 | 8:01 pm | Categories: [Miscellaneous](#)

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13.2K 5.6k 3,507
[Tweet](#) [+1](#) [Share](#)



“Ultimately, all you need in addition to someone's e-mail address are those two easily acquired pieces of information: a billing address and the last four digits of a credit card on file.”

Mat Honan - Wired

[Link](#)

The AI and DeepFake era

CYBER CRIME

ARTIFICIAL INTELLIGENCE

Employee Duped by AI-Generated CFO in \$25.6M Deepfake Scam

The incident took place in Hong Kong; however, the name of the targeted company is still unknown.



BY DEEBA AHMED · FEBRUARY 5, 2024 · 3 MINUTE READ

Social Links



Learn how a multinational company's Hong Kong branch faced a deepfake scam, causing substantial financial losses, and explore efforts to counter the rising sophistication of deepfake technology.

From Information-Diving To Open-Source Intelligence

Information Diving

"Information diving is the practice of recovering technical data, sometimes confidential or secret, from discarded material." Wikipedia

UNIV

POLYGRAPHICS DEPT.

Google Hacking

A modern version of information diving

"Technique that uses Google Search [...] to find security holes in the configuration and computer code that websites use." Wikipedia

Null Byte- Find Vulnerable Services & Hidden Info Using Google Dorks

Tinkernut - Google Hacks 2.0

OSINT - Open-Source Intelligence

"Open-source intelligence (OSINT) is a multi-methods (qualitative, quantitative) methodology for collecting, analyzing and making decisions about data accessible in publicly available sources to be used in an intelligence context." Wikipedia

OSINT Framework

The search engine for **Security**

Shodan is the world's first search engine for Internet-connected devices.

Create a Free Account Getting Started

50.87.75.184
104.18.61.231

My Account

Shodan Developers Monitor View All... Show API Key Try out the new beta website! Help Center



Explore the Internet of Things

Use Shodan to discover which of your devices are connected to the Internet, where they are located and who is using them.



See the Big Picture

Websites are just one part of the Internet. There are power plants, Smart TVs, refrigerators and much more that can be found with Shodan!



Monitor Network Security

Keep track of all the computers on your network that are directly accessible from the Internet. Shodan lets you understand your digital footprint.



Get a Competitive Advantage

Who is using your product? Where are they located? Use Shodan to perform empirical market intelligence.