



Threats Without Frontiers

Dave Jevans
Chairman, APWG



Unifying the
Global Response
to Cybercrime



















Reviewing Predictions

- Globalization of infections and attacks



Unifying the
Global Response
to Cybercrime

Global Malware Infection Rates

Ranking	Country	Infection Rate
1	South Korea	57.30%
2	China	51.94%
3	Taiwan	42.88%
4	Bolivia	42.28%
5	Honduras	40.80%
6	Turkey	39.29%
7	Ecuador	37.59%
8	Russia	36.78%
9	Slovakia	36.09%
10	Poland	35.74%

Ranking	Country	Infection ratio
23	Holland	24.74%
24	Hungry	24.54%
25	Finland	24.02%
26	Ireland	23.64%
27	Germany	22.61%
28	Uruguay	21.94%
29	United Kingdom	21.01%
30	Norway	20.50%
31	Sweden	19.07%
32	Switzerland	18.40%

Reviewing Predictions

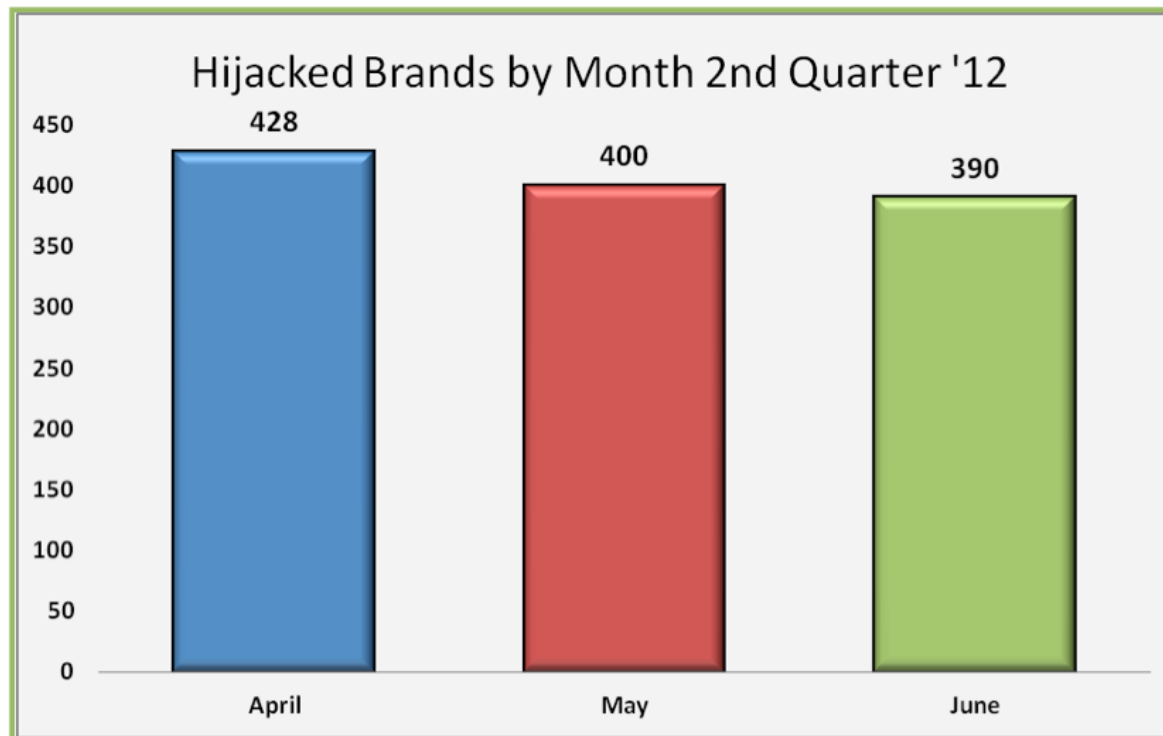
- Globalization of infections and attacks
- Creates an attack fabric that lends itself to global job jobs

Reviewing Predictions

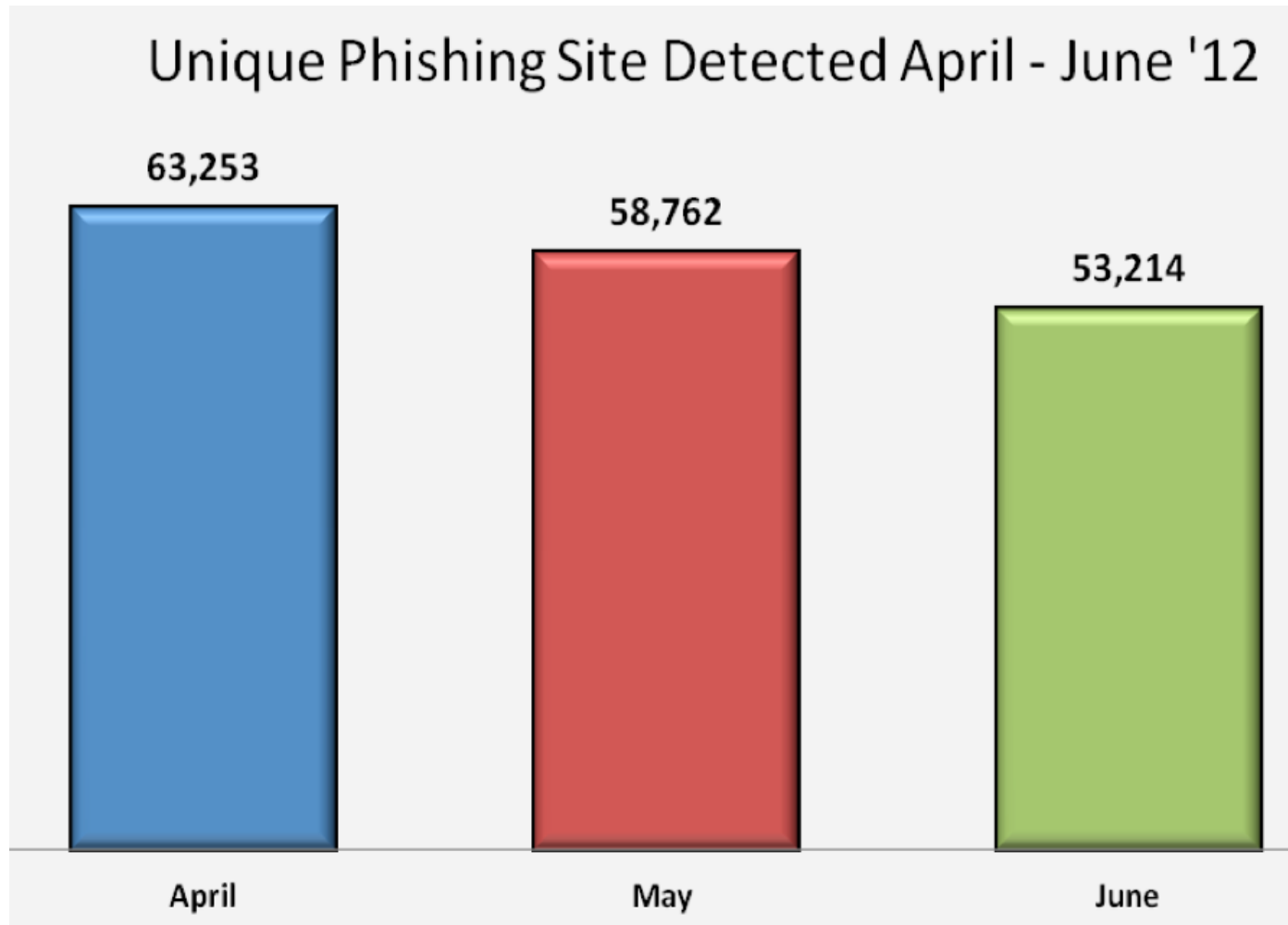
- More phishing

More Phishing

**Brands Targeted by Cybercrime
Gangs Reach All-Time High in April**



April 2012 - Highest Levels Ever



Hack One Shared Server, Phish From All Its Sites

- "Even excluding the thousands of phishing sites created by this tactic, phishing in the second quarter of 2012 was up significantly over the first quarter."
 - Rod Rasmussen, President and CTO of Internet Identity

More 2012 Stats

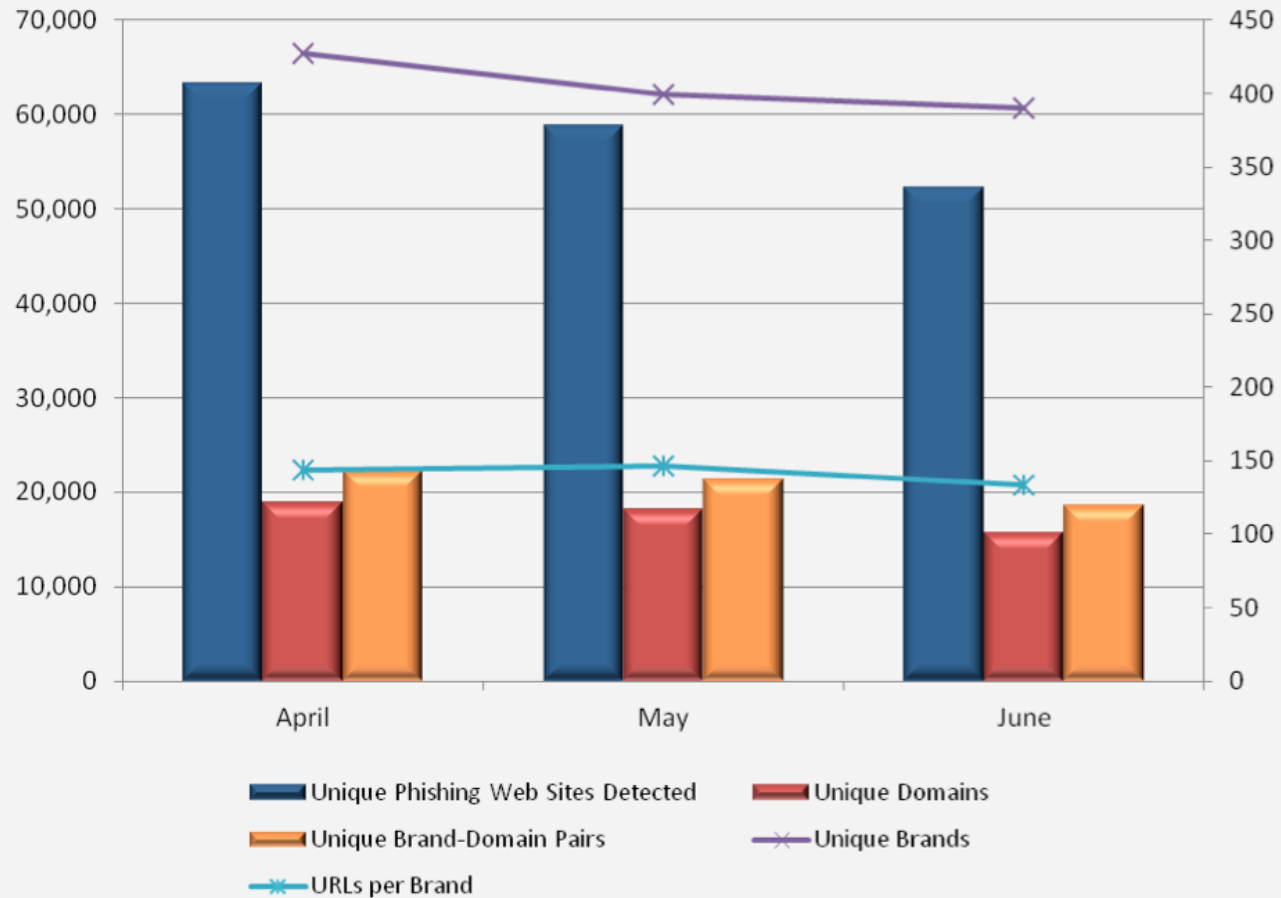
	April	May	June
Number of Unique Phishing Web Sites Detected	63,253	58,762	52,214
Unique Domains	18,878	18,191	15,637
Unique Brand-Domain Pairs	22,247	21,425	18,532
Unique Brands	428	400	390
URLs Per Brand	143.85	146.90	133.88



Unifying the
Global Response
to Cybercrime

More 2012 Stats

Phishing Data and Brand-Domain Pairs for 2nd Quarter 2012



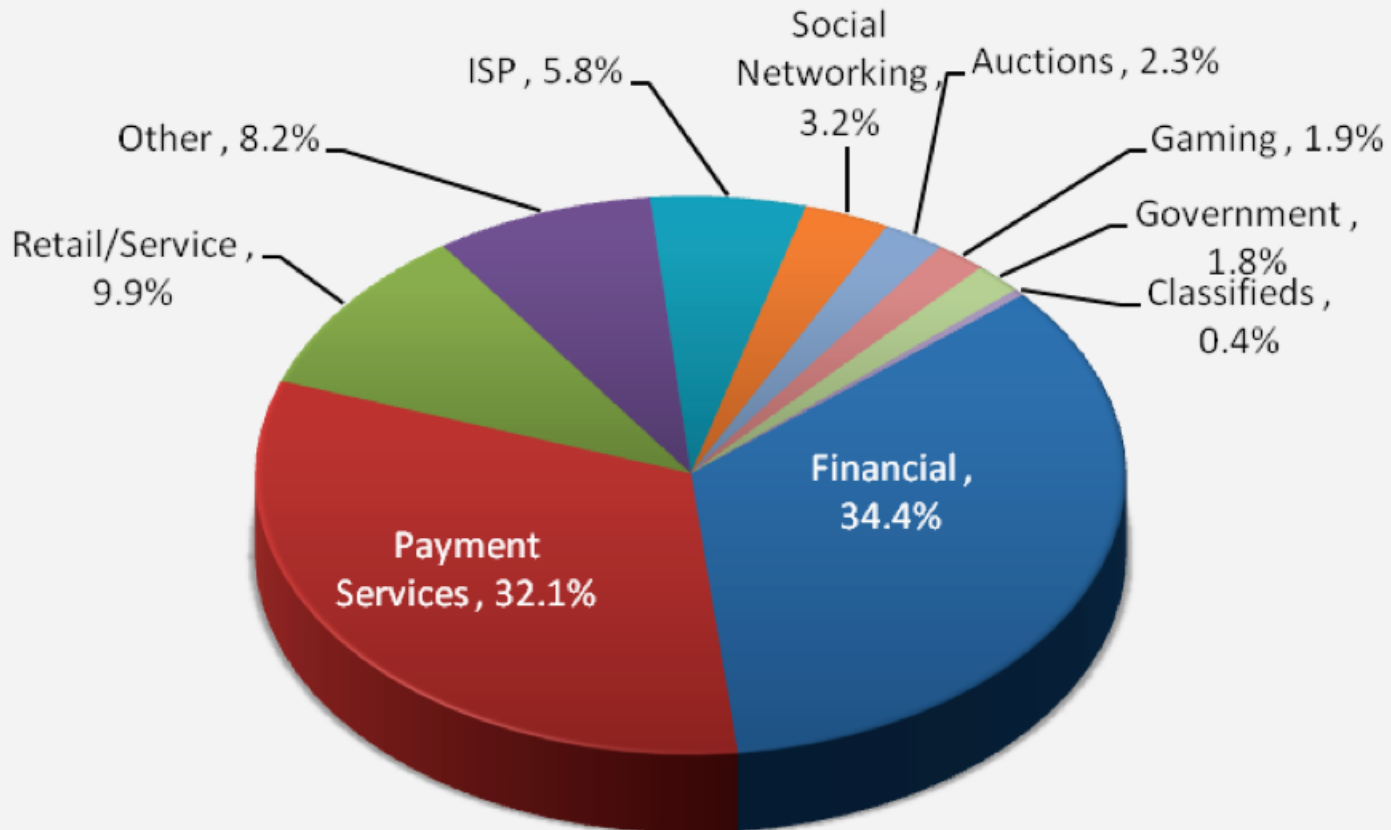
Unifying the
Global Response
to Cybercrime

Phishing Increases

- “Targeted attacks remain the favorite attack vector used to launch phishing attacks, as the number of unique brands during the entire quarter rose to 601 in Q2 2012 from 587 in Q1 2012”
 - Ihab Shraim, chief information security officer, MarkMonitor

Industry Focus of Attacks

Most Targeted Industry Sectors 2nd Quarter '12



Countries Hosting Phishing Sites

April		May		June	
USA	58.45%	USA	87.91%	USA	71.55%
Egypt	6.28%	Bahamas	5.55%	Germany	3.36%
Brazil	4.54%	Germany	0.53%	UK	3.08%
Canada	3.93%	Canada	0.47%	Canada	2.71%
Germany	3.91%	Rep. Korea	0.46%	France	2.17%
UK	2.45%	Switzerland	0.45%	Brazil	1.61%
Netherlands	1.67%	UK	0.44%	Netherlands	1.52%
France	1.56%	Netherlands	0.42%	Czech Rep.	1.34%
Russia	1.14%	Egypt	0.36%	Japan	1.19%
Turkey	1.12%	Belgium	0.34%	Russia	0.94%

Countries Hosting Keyloggers & Trojan Downloaders

April		May		June	
USA	46.44%	USA	78.13%	USA	55.17%
Russia	11.55%	UK	3.77%	France	11.17%
France	7.81%	France	3.64%	China	7.00%
China	4.15%	China	1.75%	Russia	3.73%
Brazil	3.77%	Russia	1.48%	Rep of Korea	2.85%
Netherlands	3.68%	Germany	1.34%	Netherlands	2.63%
Rep of Korea	3.33%	Hong Kong	1.07%	Germany	2.56%
Germany	2.94%	Netherlands	0.80%	Ukraine	1.83%
UK	2.25%	Iceland	0.67%	UK	1.70%
Poland	1.40%	Canada	0.67%	Brazil	1.33%

Reviewing Predictions

- Spear-phishing for APT

U.S. warns of cyberattacks on gas pipeline companies

The Department of Homeland Security wants the gas sector to monitor malware planted via cyberattacks as part of an investigation.



by [Elinor Mills](#) | May 7, 2012 6:27 PM PDT



7



68



6



+1

0

More +

Comments

0

U.S. gas pipeline operators have been targeted in sophisticated phishing attacks since at least December, with the Department of Homeland Security helping firms deal with the incidents since March, the DHS and an industry expert said.

"DHS's Industrial Control Systems Cyber Emergency Response Team has been working since March 2012 with critical infrastructure owners and operators in the oil and natural gas sector to address a series of cyber intrusions targeting natural gas pipeline companies," DHS spokesman Peter Boogaard said in an e-mail sent to CNET today.

"The cyber intrusion involves sophisticated spear-phishing activities targeting personnel within the private companies. DHS is coordinating with the FBI and appropriate federal agencies, and ICS-CERT is working with affected organizations to prepare mitigation plans customized to their current network and security configurations to detect, mitigate and prevent such threats."

The agency has been meeting with companies in private about the matter and late last week issued the first public advisory, which was first reported on by [The Christian Science Monitor](#). It's unclear who is behind the attacks and whether they have led to pilfering of data or other negative consequences. Boogaard did not respond to follow up questions seeking more



Scammers Want Access To The Freshest & Most Juicy Information

From LexisNexis <support@accurint.com> ☆
Subject Accurint Product Support
Reply to support@accurint.com ☆
Cc recipient list not shown.; ☆

Reg

LexisNexis®
Accurint®

During our regular scheduled maintenance of our systems, your account was flagged for having a long period of inactivity.

For security reasons, inactive accounts are disabled after a long period of time.

To prevent this from occurring, you are required to immediately login to your account with the link provided below

To access your account [please click here](#)

Please Note:

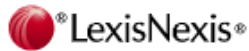
You are not required to perform any transaction or activity after login. If your account is indeed active, you are still required to log in with the link provided above to take your account off the flag list. You are required to login to your account once every three months to indicate use of your LexisNexis Accurint online service.

Protecting the security of your account is our primary concern, and we apologize for any inconvenience this may have caused you.

N.B: You will receive one more notification from us before your account is disabled. If you don't receive this notification, it indicates your account has been unflagged and is fully active.

Sincerely,

Account Review Department
LexisNexis Accurint



Sign On:

To ensure the security of your account, we have implemented a new two-step sign on process. First you will be asked to enter your user name and verification characters. Next you will be asked to enter your password and click "Sign On."

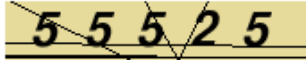
STEP 1 of 2:

Enter your **User Name** and **Verification Characters** below and click "Next."

User Name:

Verification Characters:

[\(Listen to Characters\)](#)



Enter Verification Characters:

[What are Verification Characters?](#)

[Where Do I Enter My Password?](#)

[How Do I Protect My Account?](#)



For 24/7 sign on assistance, search assistance, technical assistance or security questions:

Email Customer Support or call **1-866-277-8407**



Billing Support:

Email us or call 1.866.528.0570



Education & Training:

Email us or call 1.800.201.6411
Or visit [learn.lexisnexis.com](#)



Customer Support
Live Chat.

Customer Center

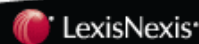
Access helpful resources for your organization to maximize the benefits of your service.

- Collections
- Government
- Health Care
- Insurance
- Law Enforcement
- Legal

Learning Resource Center

Utilize online training to meet your education needs.

SIGN UP TODAY!



::: Important Security Notice

URGENT: If you do not currently see **https://secure.accurint.com** (note the **https** not **http** and the exact spelling of our name) in the address bar of your web browser, please do not proceed.

All Internet users should be aware of the online scam known as "phishing" (pronounced "fishing"). Phishing involves the use of e-mail messages that appear to come from your bank or another trusted business such as Accurint, but are actually from imposters. All your Accurint business web access should be done through our secure Web site. **We will not send you an e-mail with links to our site, nor will we provide you links to download software to your computer.**

::: General Security Tips

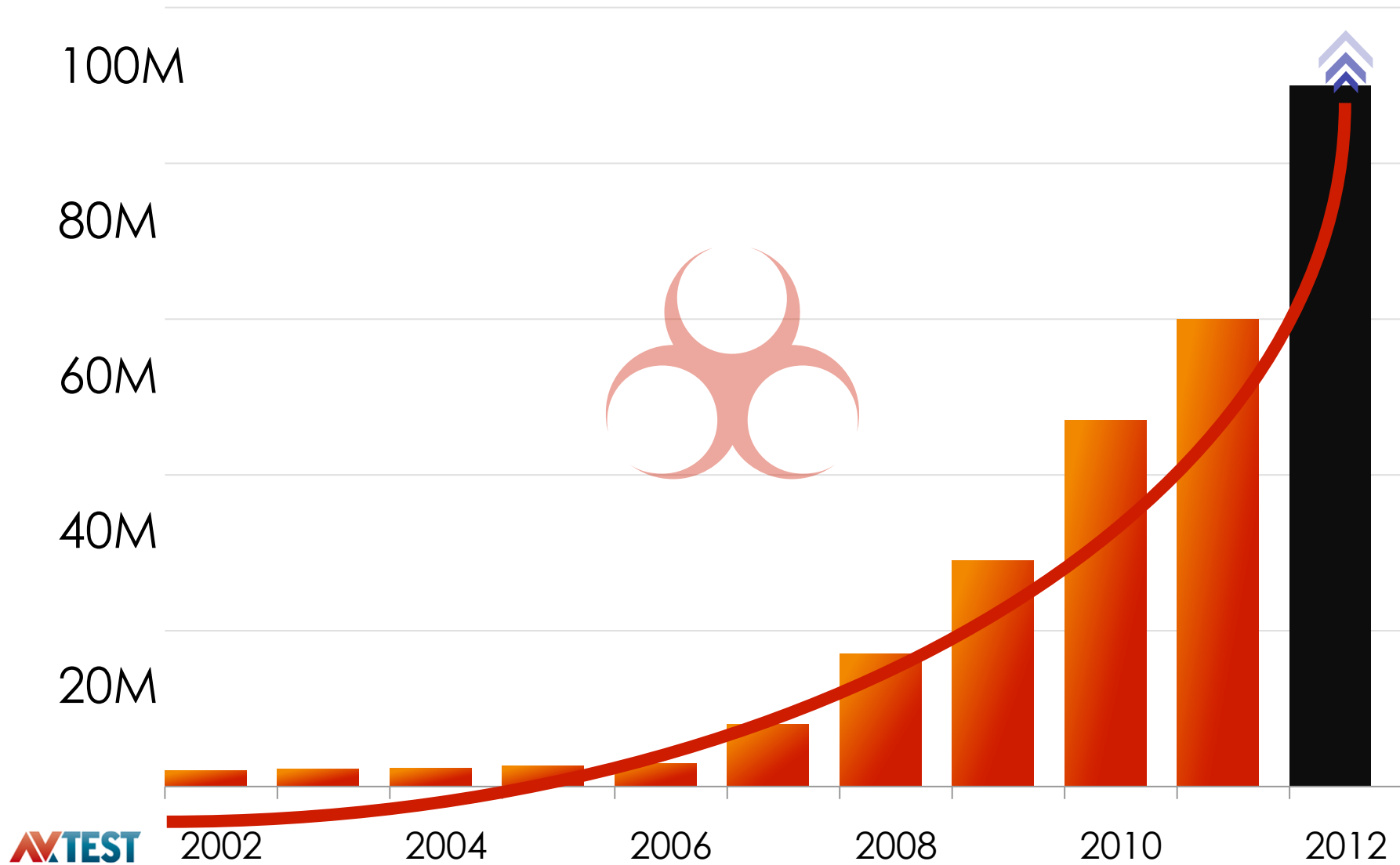
Always start sign on from: <http://www.accurint.com> and never enter your ID or Password information at any other URL or site, or your security may be compromised. Never click or follow links to Accurint from email messages because if you do so you may be taken to a site that looks like Accurint but is not the Accurint site. If you accessed any other URL or site that looks like Accurint or if you clicked on a link within an email to access Accurint and entered your account information, please change your Password immediately.

Protect the security of your User Name and Password by following these guidelines: (a) Never share User Names or Passwords; (b) Do not write your User Name and Password down anywhere; (c) Install and use current anti-virus software; (d) Inform your administrator or contact Customer Support immediately if you believe your

Reviewing Predictions

- More Malware
 - Primarily trojans / crimeware

Booming Malware Economy



Trojans Dominate Malware

Type of Malware Identified	% of malware samples
Trojans	78.92%
Worms	10.78%
Virus	7.44%
Rogueware	2.96%
Other	.17%

Reviewing Predictions

- Mobile malware and malicious apps

300M iPhones Sold

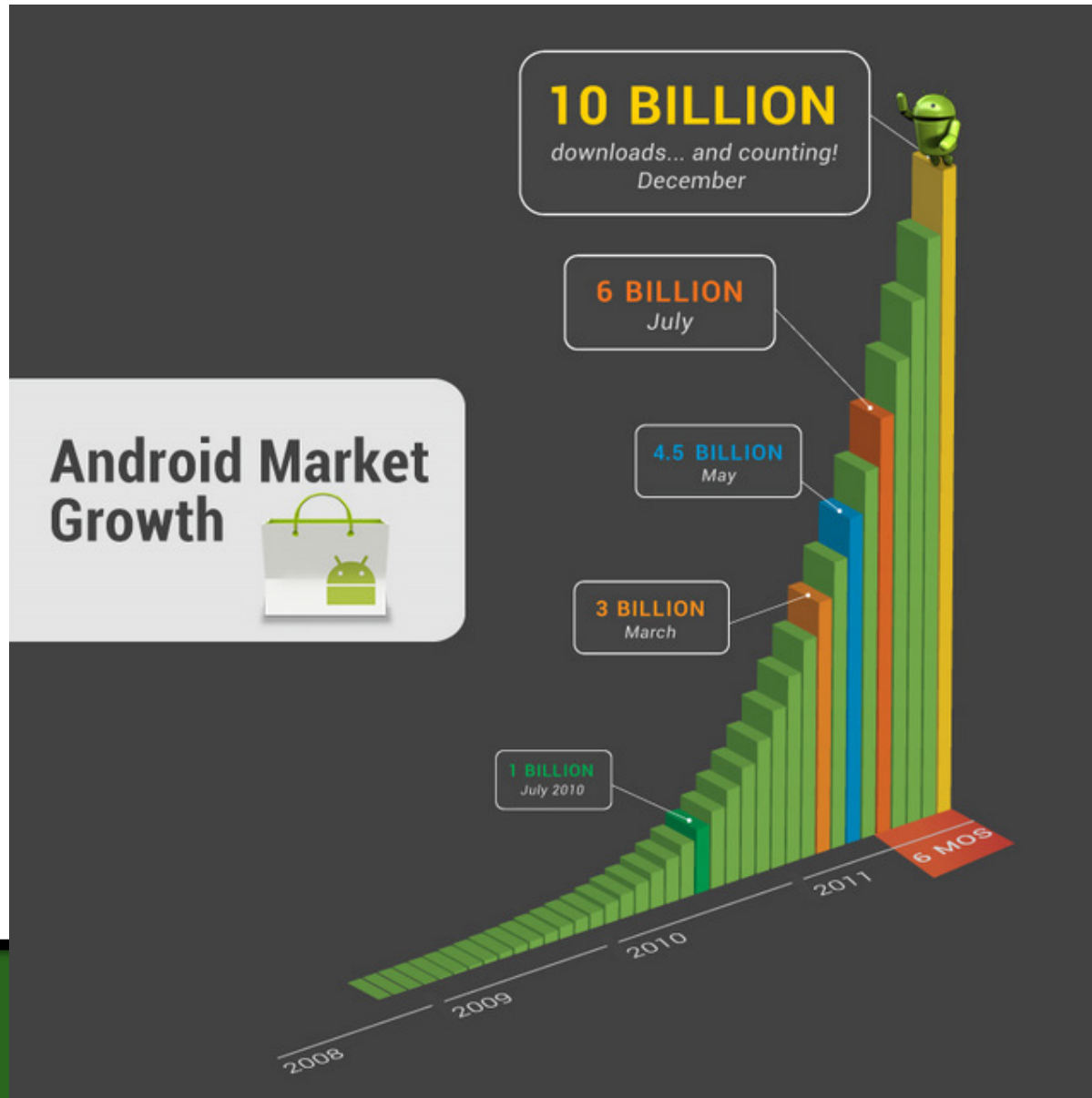
Apple boasts 125% growth year-over-year for iPhone sales

4TH OCTOBER 2011 *by* COURTNEY BOYD MYERS

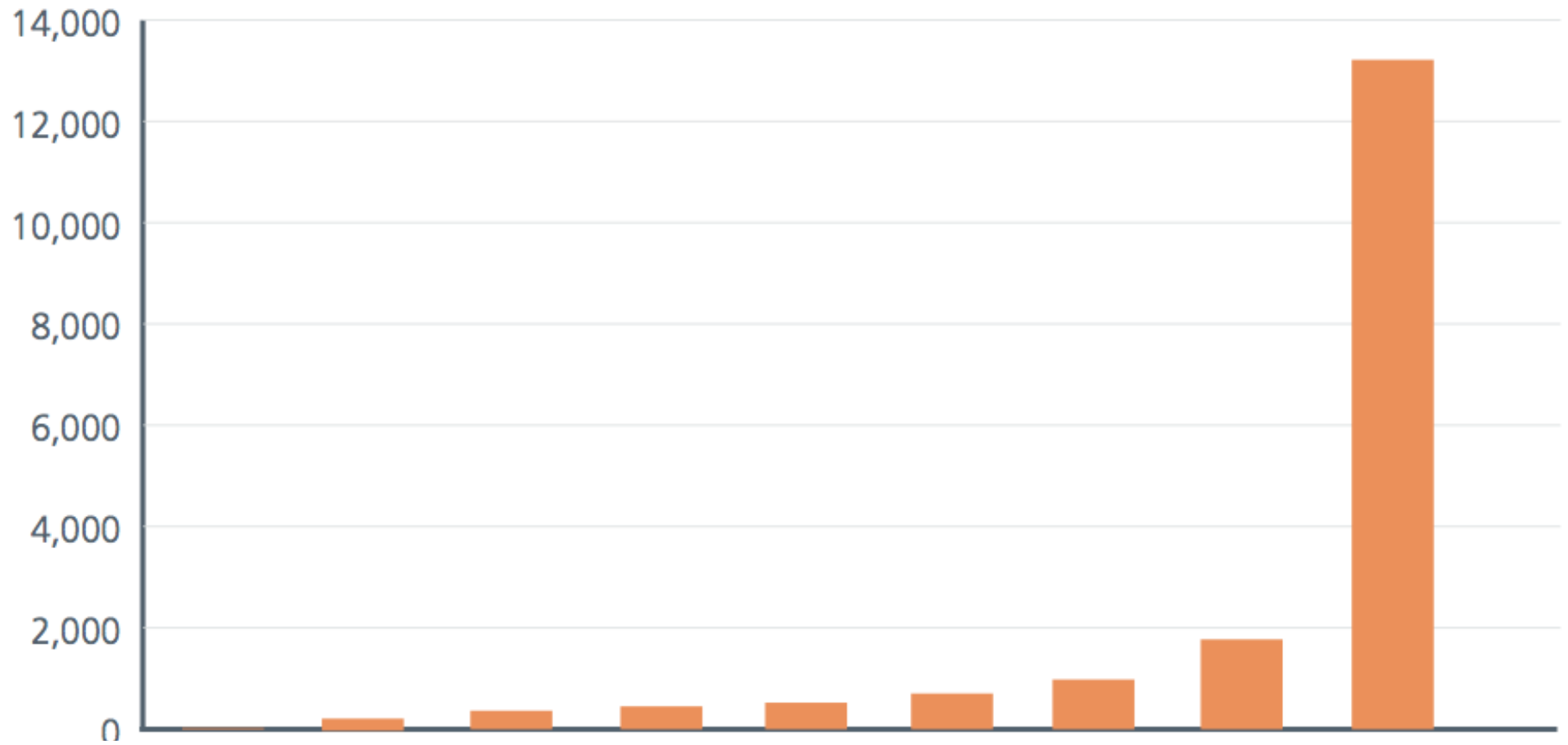
APWGI

Unifying the
Global Response
to Cybercrime

850,000 New Droids per Day



Total Mobile Malware Samples in the Database

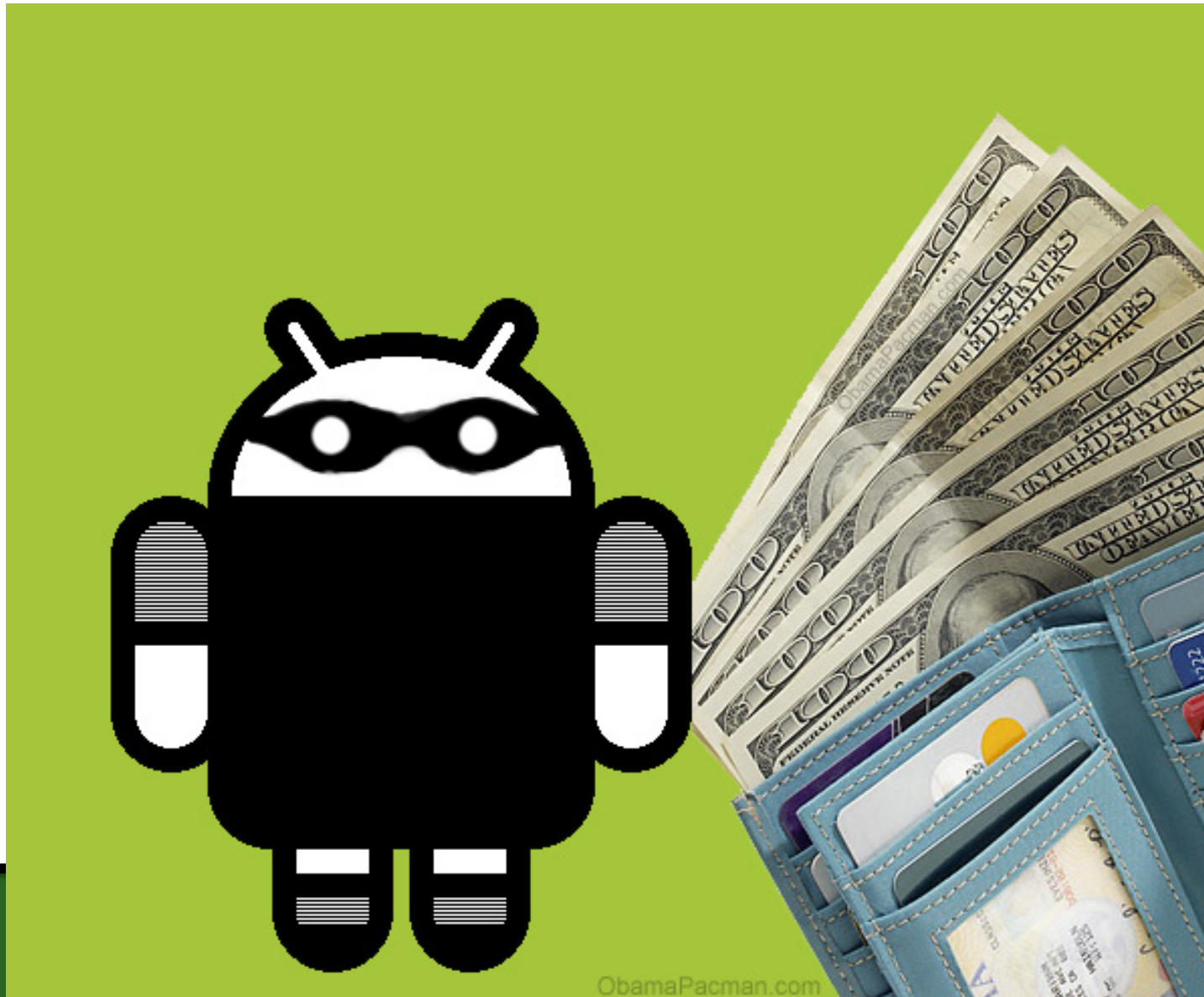


2012 Mobile Smartphone Threats

Smishing and Phishing on Mobile Phones



Fake Banking Apps



Hacked Apps Posted To Markets

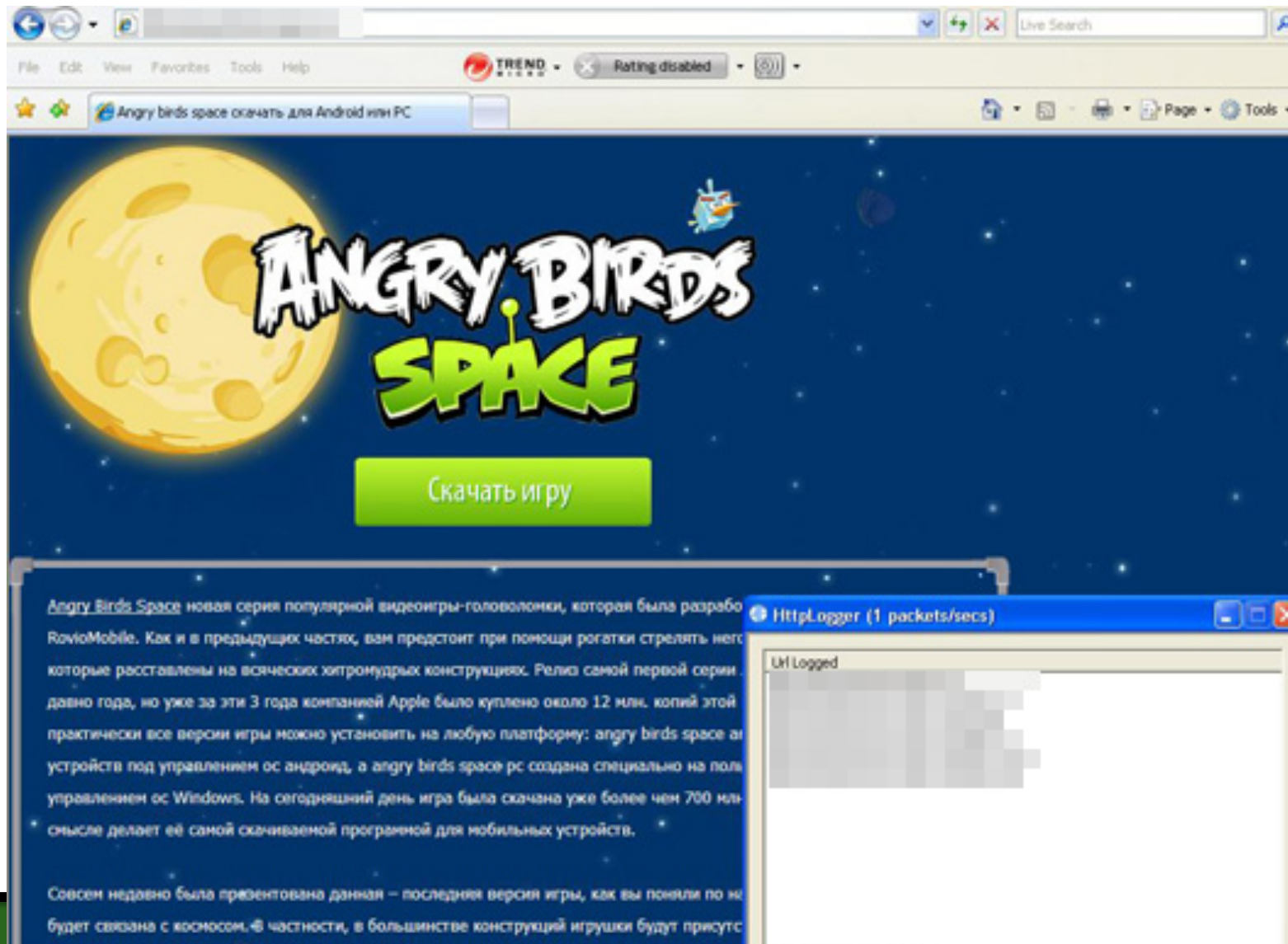


Figure 4. Site hosting rogue *Angry Birds Space*



Figure 1. Website showing free *Instagram* download lure

Fake OTP Apps Install Android Malware



Fake Security Apps



Android Hit By Drive-By Malware

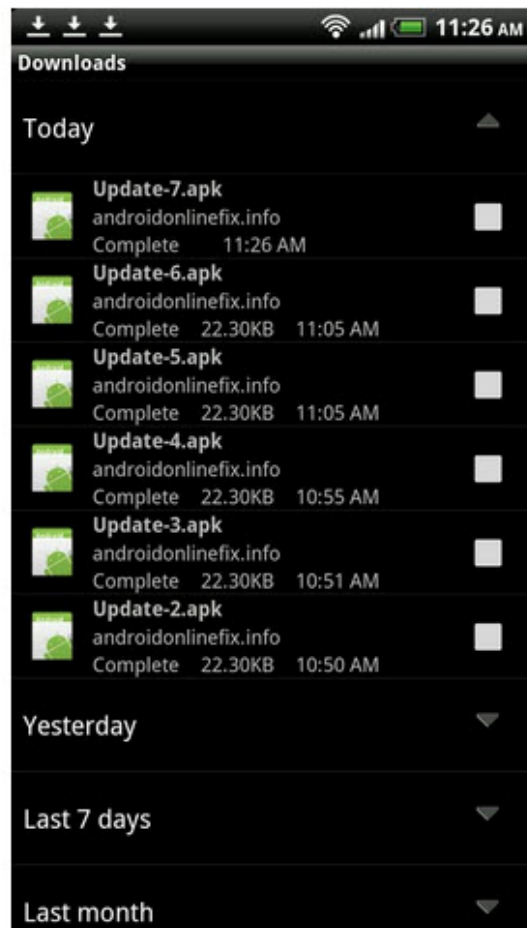
+ Comment now

New drive-by malware that attacks Android users visiting compromised websites has been discovered by [Reddit users georgiabiker](#).

Sites distributing the malware have themselves been compromised and injected with malicious code called Troj/Iframe-HX. The malicious code examines the *User Agent* string sent by the browser to see if it contains the string "Android" and if it does a malicious Android package called *Update.apk* is sent to the browser.

Hacked websites are commonly used to infect PCs with malware, but this is the first example of Android users being targeted by this technique.


The good news about this malware is that it is only downloaded automatically, and relies on the user to do the job of installing it. For this to work the "Unknown sources" setting *enabled* (a feature commonly referred to as "sideloading").



- Sites infected with bad iFrame
 - Checks User-Agent
 - Update.apk sent to browser
 - Installed if device allows apps from unknown sources
- com.Security.Update



By [Charlie Osborne](#) for [Zero Day](#) | October 22, 2012 -- 07:58 GMT (00:58 PDT)

 [Follow @ZDNetCharlie](#)

Research has shown that thousands of popular apps in the Google Play store may leave sensitive information exposed.

A [paper](#) (.pdf) released by researchers from Leibniz University in Hannover and Philipps University of Marburg, found that 17 percent of the Secure Sockets Layer (SSL)-using apps analyzed in a study -- biased towards free, popular applications -- were vulnerable to man-in-the-middle MITM attacks.



Man-in-the-middle attacks are similar to eavesdropping -- when an attacker intercepts messages, fakes authentication and may inject new information while impersonating a different source.

1,074 apps in a sample of 13,500 contained flaws in their SSL implementation, the researchers stating that these apps contained "SSL specific code that either accepts all certificates or all hostnames for a certificate and thus are potentially vulnerable to MITM attacks". From this sample, the teams manually created MITM attacks against 100 out of the set.

Through the attacks, data was fraudulently captured including "credentials for American Express, Diners Club, Paypal, Facebook, Twitter, Google, Yahoo, Microsoft Live ID, Box, WordPress, IBM Sametime, remote servers, bank accounts and email accounts." In addition, the team wrote:

"Facebook, email and cloud storage credentials and messages were leaked, access to IP cameras was gained and control channels for apps and remote servers could be subverted."

This wasn't the end of such vulnerabilities. By creating a proof-of-concept tool called MalloDroid which finds potentially exploitable SSL programming, the researchers were able to manipulate virus signatures to update the functionality of an anti-virus app to kill off mobile device protection or even remove applications.

Reviewing Predictions

- Using compromised infrastructure to mount attacks

Email Service Providers Are An Important Attack Vector

epsilon.

Marketing As Usual. Not A Chance.™

STRATEGY
& ANALYTICS

EPSILON
TARGETING

PURPLE@
EPSILON

MARKETING
TECHNOLOGY

EMAIL & DIGITAL
SOLUTIONS

RESOURCE
CENTER

Epsilon Acquires Equifax's Direct Marketing Services Division

Epsilon Acquires Equifax Marketing Services to expand Epsilon's data-driven, highly targeted marketing solutions
[Read More](#)



Consumer Alert: Steps to Protect Your Email and Personal Information

Epsilon recognizes the importance of privacy and security. In response to the recent security incident involving unauthorized access of Epsilon's e-mail services platform, we remind consumers of precautions to help safeguard your information. Be cautious when clicking an email link or attachment from an unknown sender. Do not provide personal information via email. Use anti-virus and anti-spyware software, and update the software regularly.

» [Click Here to Learn More](#)

NEWS & PRESS RELEASES

04/25/2011 - Alliance Data's Epsilon Business to Acquire Aspen Marketing Services, the Nation's Largest Independently Owned Marketing Services Agency

[View Press Release](#) [View All](#)

04/06/2011 - Alliance Data Provides Statement Surrounding Unauthorized Entry Incident at Epsilon Subsidiary

[View Press Release](#) [View All](#)

04/01/2011 - Epsilon Notifies Clients of Unauthorized Entry into Email System

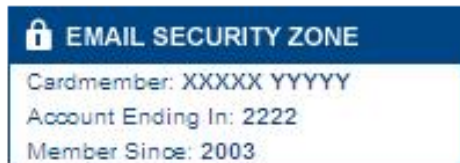
[View Press Release](#) [View All](#)

Dear David Jevans,

Recently, Citi was notified of a system breach at Epsilon, a third-party vendor that provides marketing services to a number of companies, including Citi. The information obtained was limited to the customer name and email address of some credit card customers. No account information or other information was compromised and therefore there is no reason to re-issue a new card.

Because e-mail addresses can be used for "phishing" attacks, we want to remind our customers of the following:

- Citi Cards uses an Email Security Zone in every email to help you recognize that the email is from us. Customers should check the Email Security Zone to verify that the email you received is from Citi. To help you recognize that the email was sent by Citi, we will always include the following in the Email Security Zone in the top headline portion of our emails:
 - Your first name and last name
 - Last four digits of your Citi card account number
 - *And recently to increase security, we have added your "member since" date located in front of your card, where available.*



- ThankYou(SM) Rewards always includes your first name, last name, last four digits of your Th

on our behalf to our customers, that files containing your first and last name and address were accessed from their computer system. MoneyGram was one of a number of companies whose information that was compromised does not include any customer financial

information. You should be extremely cautious before opening links or attachments in response to any email. If you receive an email that appears to be related to TransactionSecurity@moneygram.com. It did not come from MoneyGram.

your personal ID, password, social security number, PIN or account information in response to an email request at any time.*

Sent: Monday, April 04, 2011 10:04 AM

Subject: Please read important message about your e-mail address

Note: This is a service message with information related to your e-mail address.



Chase is letting our customers know that we have been informed by Epsilon that we send e-mails, that an unauthorized person outside Epsilon accessed the email addresses of some Chase customers. We have a team at Epsilon investigating and confident that the information that was retrieved included some Chase email addresses, but did **not** include any customer account or financial information. Everything we know, your accounts and confidential information remain secure. We are advising our customers of everything we know as we know it, and the potential impact, if any, this will have on you.

We apologize if this causes you any inconvenience. We want to remind you not to ask for your personal information or login credentials in an e-mail. As you receive e-mails asking for your personal information and be on the lookout for it. It is **not** Chase's practice to request personal information by e-mail.

As a reminder, we recommend that you:

- Don't give your Chase OnlineSM User ID or password in e-mail

A Lack of Money Mules Will No Longer Slow Fraud Losses

Card-to-Card Transfer

With RushCard Card-To-Card Transfer, you can send money to anyone with a RushCard or transfer money between your own personal cards. Send birthday money to your sister, emergency cash to your son in college, or stash away some savings on your secondary card. Whatever your reason, you'll enjoy:

- The flexibility to send money instantly or schedule a future transfer
- An affordable rate that is a fraction of the cost of wiring money
- Quick instant transfers – done in just 15 minutes time
- The convenience of completing a transfer online, from your mobile phone, or over the phone with a live agent



WANT A CARD WITHOUT HAVING TO PROVIDE ANY FORMS OR DOCUMENTS?

You can buy the unique **RushCard** instantly over-the-counter at thousands of selected high street convenience stores, wherever you see the **RushCard** sign.

It's as simple as buying a bar of chocolate.

- [MY ACCOUNT](#)
- [REGISTER](#)
- [WHY BUY](#)
- [QUESTIONS & ANSWERS](#)
- [IDEAL AS A GIFT](#)
- [BUY NOW](#)
- [RELOADABLE UPGRADE](#)
- [CASHBACK](#)
- [PERSONALISED CARDS](#)
- [STORE LOCATOR](#)
- [RETAILER SUPPORT](#)
- [PRESS RELEASES](#)
- [CONTACT US](#)
- [HOME](#)

WHY BUY

WHAT IS A CARD?

HOW MUCH DOES IT COST?

IDEAL AS A GIFT

BUY NOW

BUY IN SHOPS

UPGRADE TO RELOADABLE HERE

CASHBACK CARD
EARN AS YOU SPEND

[CLICK HERE TO FIND OUT MORE](#)

ZashPay Home: transfer money, mobile payment

http://www.zashpay.com/

[What is ZashPay?](#)
[How it works](#)
[Send money](#)
[Get money](#)
[Help](#)

[Sign up](#)
[Sign in](#)

I'd like to pay the money that I owe. But I just don't carry that kind of dough.

ZashPay is an easy, fast and secure online personal payment service that lets you send and receive money to and from others directly from your bank account.

With ZashPay, you can send money to just about anyone* — anytime, anywhere in the U.S.! All you need is their name, and either an e-mail address or mobile phone number to get started.

Sign up today

Start sending and receiving money the fast and easy way!

*Terms and conditions apply.

Are you here to claim money from someone?

Get started with ZashPay now and get your payment quickly and conveniently. Enter your

You may already have the ability to use ZashPay

If you bank with one of the more than 900 U.S. financial institutions that offer ZashPay

ZashPay on the go

Download our mobile app to send money to others while you're out and about — all from the

Bitcoin payments go mobile with Bitcoin for Android

6TH JULY 2011 by MATT BRIAN

If you have invested in the virtual currency Bitcoin, the chances are that you want to be able to send and receive Bitcoin payments on your smartphone device.

Whilst there are a number of options available to Bitcoin investors, a dedicated Android app that could facilitate the sending and receiving of Bitcoins and support additional Bitcoin features had not been forthcoming – until today.

Bitcoin for Android is a new application which operates as a fully functional Bitcoin wallet. Available on the Android Market, the app supports the scanning of QR codes to initiate transactions, allows users to email invoices from their device to request money and can even process payments without an Internet connection by waiting to send transactions when a connection is restored.

The application natively supports the Bitcoin URI format and backs up a user's wallet file to the Cloud by synchronising it to a user's Google account – useful if a user loses their phone.

FOREVERMARK

POPULAR
COMMENTED
LATEST

TODAY
WEEK
MONTH

More iPhones Sold Than People Born Every Day

O2 Sends Numbers to Every Site Visited on a Mobile

More than 750,000 SOTU Tweets Sent During Obama's Speech

Generation Y: The New Kind of Workforce

How to Be a Great Mentor (And Mentee)

Tim Cook Sends Congratulatory Email To Apple Employees

North Miami Beach, Florida (CNN) -- Criminals across the country are raking in billions of dollars in tax refunds through a new and brazen form of identity theft. The IRS is cracking down on these returns, law

Using characteristics of tax returns that the IRS has identified and confirmed as fraudulent filings involving identity theft, we analyzed Tax Year 2010 tax returns to identify additional tax returns that met the characteristics of these confirmed cases. Our analysis found that, although the IRS detects and prevents a large number of fraudulent refunds based on false income documents, there is much fraud that it does not detect. We identified approximately 1.5 million additional undetected tax returns with potentially fraudulent tax refunds totaling in excess of \$5.2 billion. If not addressed, we estimate the IRS could issue approximately \$26 billion in fraudulent tax refunds resulting from identity theft over the next five years.

can issue tax refunds based on false information. Many of these taxpayers have not even gotten their returns on actual Treasury checks.

The thieves know that the IRS does not verify the employer W-2s sent with the return until after the refund is issued.

Reviewing Predictions

- Death of Bitcoin exaggerated

Market Price (USD)
Source: blockchain.info



Unifying the
Global Response
to Cybercrime

2	Linode Hacks	March 2012	46700 ₿ a. 46653.47830495 ₿
3	July 2012 Bitcoinica Theft	July 2012	40000.00000000 ₿
4	Allinvain Theft	June 2011	25000.01000000 ₿
5	Bitfloor Theft	September 2012	u.b. 24086.17219307 ₿
6	Tony Silk Road Scam	April 2012	est. 20000 ₿
7	May 2012 Bitcoinica Hack	May 2012	18547.66867623 ₿
8	<i>Bitomat.pl</i> Loss	August 2011	est. 17000 ₿
9	Bitcoin7 Hack	October 2011	est. 11000 ₿ u.b. 15000 ₿

Major (≥1000 ₿)

Rank	Name	Time	Severity
10	<i>Stefan Thomas</i> Loss	June 2011	est. 7000 ₿
11	BTC-E Hack	July 2012	est. 4500 ₿
12	Mooncoin Theft	September 2011	est. 4000 ₿
12	Kronos Hack	Unknown	est. 4000 ₿
14	Betcoin Theft	April 2012	3171.50195016 ₿
15	February 2012 Bitcoinica Theft	February 2012	est. 3000 ₿
16	June 2011 Mt. Gox Incident	June 2011	2600 ₿ l.b. 2643.27 ₿
17	<i>October 2011 Mt. Gox</i> Loss	October 2011	2609.36304319 ₿



Unifying the
Global Response
to Cybercrime

Reviewing Predictions

- Cyber Warfare

Panetta Warns of Dire Threat of Cyberattack on U.S.

By ELISABETH BUMILLER and THOM SHANKER
Published: October 11, 2012 | 192 Comments

Defense Secretary [Leon E. Panetta](#) warned Thursday that the United States was facing the possibility of a “cyber-Pearl Harbor” and was increasingly vulnerable to foreign computer hackers who could dismantle the nation’s power grid, transportation system, financial networks and government.

■ b|



Francois Lenoir/Reuters

Defense Secretary Leon Panetta seeks new standards to protect vital infrastructure.


Related


Cyberwarfare Emerges From Shadows for Public Discussion by U.S. Officials (September 27, 2012)


In a speech at the Intrepid Sea, Air and Space Museum in New York, Mr. Panetta painted a dire picture of how such an attack on the United States might unfold. He said he was reacting to increasing aggressiveness and technological advances by the nation’s adversaries, which officials identified as China, Russia, Iran and militant groups.


“An aggressor nation or extremist group could use these kinds of cyber tools to gain control of critical switches,” Mr. Panetta said. “They could derail passenger trains, or even more dangerous, derail passenger trains loaded with lethal chemicals. They could contaminate the water supply in major cities, or shut down the power grid across large parts of the country.”


Defense officials insisted that Mr. Panetta’s words were not hyperbole, and that he was responding to a recent wave of

 FACEBOOK


 TWITTER

 GOOGLE+

 E-MAIL

 SHARE

 PRINT

 REPRINTS

LIFE OF PI
NOVEMBER 21

Market Responses

- 18 months ago only 3 Android anti-malware products
- Now over 40

Market Responses

- Censorship
 - TOR
 - AnchorFree, 10M users
 - 225 VPN services

Market Responses

- Web fraud skyrockets
 - Silvertail, Guardian Analytics, etc



Unifying the
Global Response
to Cybercrime

Market Responses

- Advanced Persistent Threats detection
 - Damballa, FireEye, Netwitness

Emerging Threats

- Javascript methods to attack internal machines
- Javascript monitoring of all activities
- Javascript sending webforms for other sites

Emerging Threats

- Passwords are still the biggest security problem on the Internet

Emerging Threats

- Spear-phishing

Emerging Threats

- Spear-phishing/Malware to bank employees

Emerging Threats

- Using mobile devices as entry points for cybercrime
 - Spear-phishing to phones
 - Malicious apps on phones
 - Capturing 2FA
 - Exploiting the coming phone-to-car rich interfaces

Emerging Threats

- Encrypted communities
 - The bad buys will take up this technology much faster than the good guys
 - Wikr, etc
 - What percentage of the people that you email do it encrypted?

Emerging Threats

- CyberWar hype stimulates crazy responses
 - Banning Chinese firewall vendors
 - Good, bad?
 - Billions spent by multiple conflicting agencies



A flame from a Saudi Aramco oil installation is seen near the oil-rich area of Khouris, Saudi Arabia, in 2008. Middle Eastern oil and gas companies have been targeted in

Emerging Threats

■ Darknets

- Silk Road was only the beginning
- There are thousands of Tor hidden services
- Once they get strong end-to-end encryption easy to use, it will be unstoppable
- Even the US government is paying for steganography development

What Can We Do?

- Conferences like this are crucial
- Private and public sector must share information and wisdom
- Data sharing standards need to be activated and implemented

How Does a World of Localities Engage a Problem of Global Dimensions Like Cybercrime and Respond with Consolidated Effort?



Unifying the
Global Response
to Cybercrime

Unified Data Logistics

- Too many stakeholders to let Tower of Babel be the operational model.
- Time to:
 - Rationalize data structures
 - Standardize cybercrime file formats
 - Standardize data exchange and communications protocols
 - Coordinate efforts through (technically) unimpeded data sharing
 - Data policy impedances another matter
 - But we're working on it

Thank You To Our Sponsors

ILLUMINTEL

Illumintel Inc. provides advising and security services to top-level-domain registry operators and other Internet companies.



Internet Identity (IID) is a US-based provider of technology and services that help organizations secure their Internet presence.

MarkMonitor®

MarkMonitor, the global leader in enterprise brand protection, offers comprehensive solutions and services that safeguard brands, reputation and revenue from online risks.



Panda Security's mission is to keep our customers' information and IT assets safe from security threats, providing the most effective protection with minimum resource consumption.



Websense, Inc. is a global leader in secure Web gateway, data loss prevention, and e-mail security solutions, protecting more than 43 million employees at organizations worldwide.



Unifying the
Global Response
to Cybercrime