

virus
phishing
trojan
spyware
ackers
spam
worm

virus
phishing
trojan
spyware
ackers
spam
worm

Information Security September 2009

David Cripps



Out of the Ordinary®

 **Investec**
Information Security

Bad Guys



Script kiddies
hobby and peers



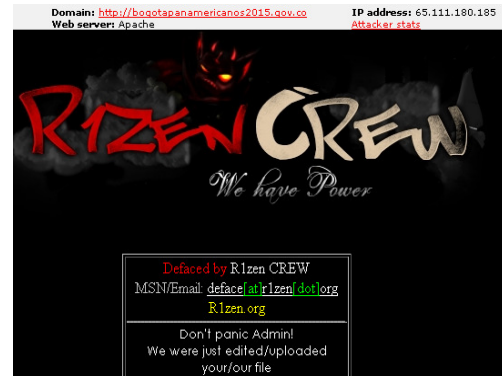
Hacktivists



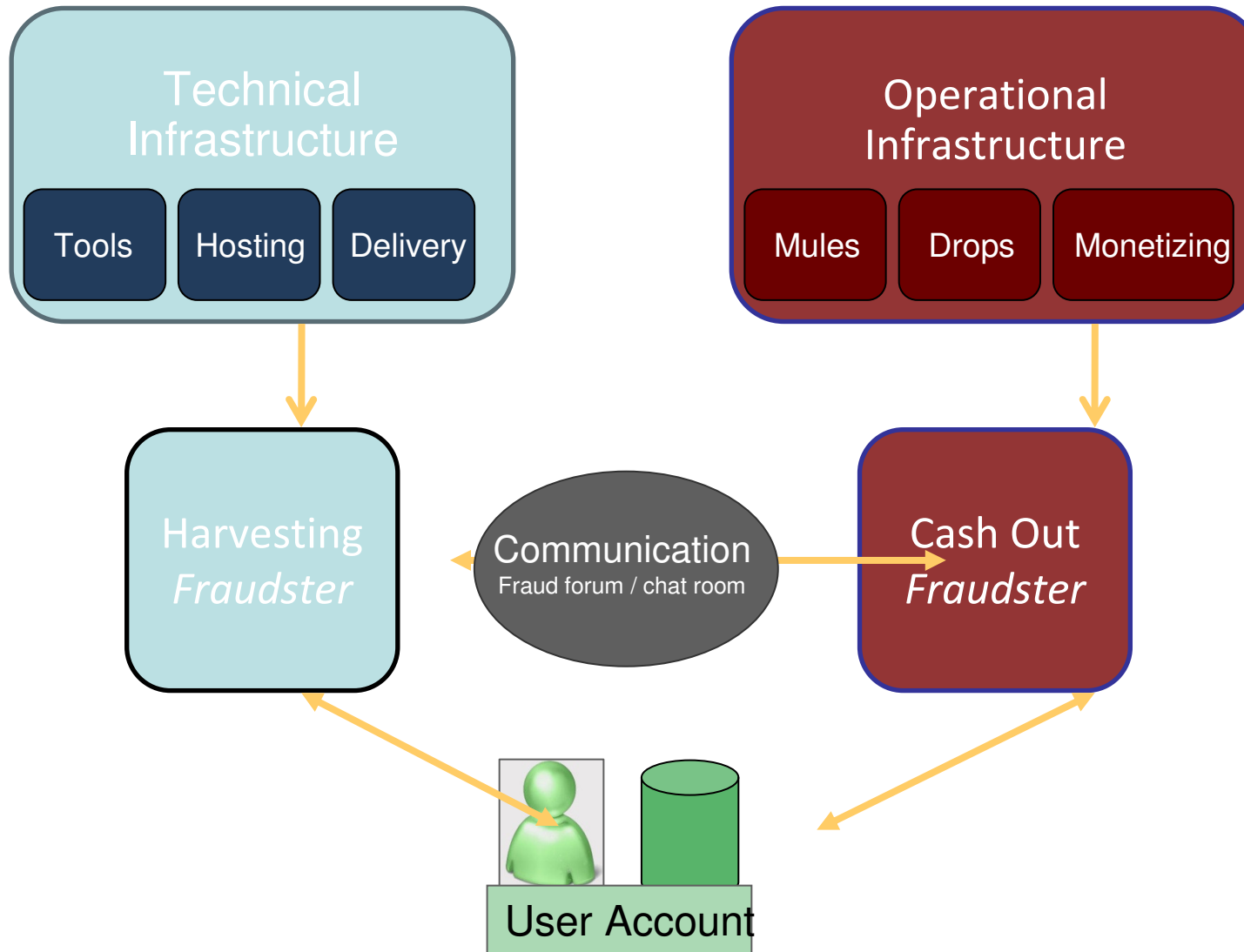
**Organised and
cyber-criminals**
financial gain



State Sponsored




Fraud Eco System (choose your career)



“Drive by” download


Windows Internet Explorer
paulmccartney.com/
Help
HOME



Paul McCartney.com

Home
News
Features
Music
Videography
Charities
Fans
Store
Links
Newsletter

Welcome to Paul McCartney.com



Go to News
Welcome To Paul McCartney.com. Come on in...

Latest Headlines

- 06.05.2009: European Union... Peace in S...
- 02.05.2009: ...hells Reviews Re...
- 01.05.2009: Website Security Statement**
- 29.04.2009: ...c Arguments ...lme Update
- 23.04.2009: ...nt - Re... r Re...
- 22.04.2009: ...ella Su L...

01.05.2009

Website Security Statement

Following the statement, which appeared on this site on the 10th of April 2009, we have investigated further into the security breach/hacking incident on the paulmccartney.com website between the 4th to the 6th of April inclusive. As soon as we became aware of the security breach we disabled it and since then have been working with our technical experts and the relevant law enforcement agencies so as to minimise any impact.

No personal details of any users visiting the paulmccartney.com website were/are held on the server hosting the site.

We recommend that all users who visited the site between the 4th to the 6th of April inclusive carry out their own computer virus checks, by using an up-to-date virus checker, to ensure that their computer has not been infected with any malicious software. Users should be vigilant and be aware that hackers may use malicious software to obtain personal information from the user's computer and may use such information to open accounts and/or purchase goods; accordingly, users should check their bank accounts and personal statements frequently.

If a user discovers that their computer has been infected or that any personal information has been compromised they should alert their credit card companies and banks immediately.

www.paulmccartney.com

The bad guys after passwords...

Page last updated at 16:12 GMT, Thursday, 9 July 2009 17:12 UK

Police to probe phone hack claims

The police are to examine claims that a huge mobile phone hacking operation was launched by the News of the World, targeting thousands of people.

The Guardian says the Sunday paper's reporters paid private investigators to hack into phones, many of them owned by politicians and celebrities.

It is alleged details were suppressed by the police and the High Court.

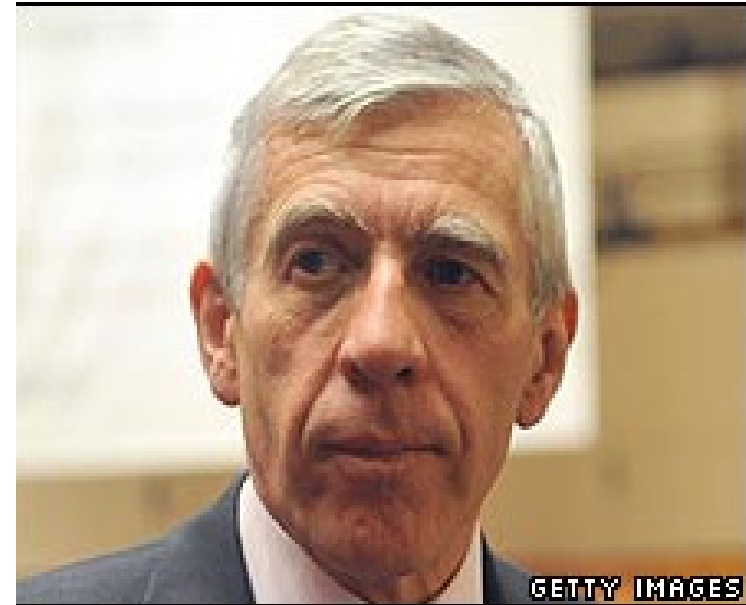
Prime Minister Gordon Brown said: "This raises questions that are serious and will obviously have to be answered."



"Thousand" of celebrities and politicians were allegedly targeted



The bad guys after passwords...



Daily Telegraph's website hacked
700,000 e-mail addresses and user passwords leaked

The Hotmail account of UK MP Jack Straw was compromised and an email sent to everybody in his address book. The email claimed that Jack had lost his wallet whilst on charity work in Africa and needed \$3,500 to get home

7th of March 2009



MI6 case....

Find a Job | Dating | Wine | E-Editions | Feedback

Sunday, Jul 05 2009

MailOnline

Home **News** Sport TV&Showbiz Femail Health Science&Tech Money Debate Cor
News Home | World news | Headlines | Pictures | Most read | News Board

MI6 chief blows his cover as wife's Facebook account reveals family holidays, showbiz friends and links to David Irving

By JASON LEWIS
Last updated at 11:43 AM on 05th July 2009

Comments (104) Add to My Stories

The new head of MI6 has been left exposed by a major personal security breach after his wife published intimate photographs and family details on the Facebook website.

Sir John Sawers is due to take over as chief of the Secret Intelligence Service in November, putting him in charge of all Britain's spying operations abroad.

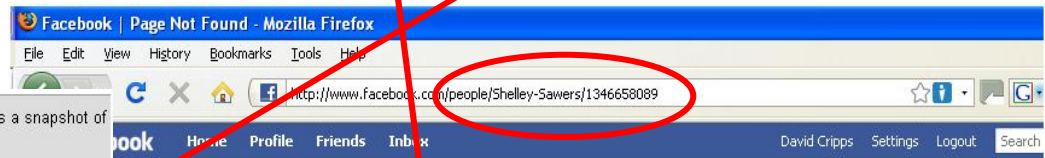
But his wife's entries on the social networking site have exposed potentially compromising details about where they live and work, who their friends are and where they spend their holidays.

Amazingly, she had put virtually no privacy protection on her account, making it visible to any of the site's 200 million open-access users. The world they see there are fea



This is Google's cache of <http://www.facebook.com/people/Shelley-Sawers/1346658089>. It is a snapshot of the current page could have changed in the meantime. [Learn more](#)

These search terms are highlighted: **shelley sawers**

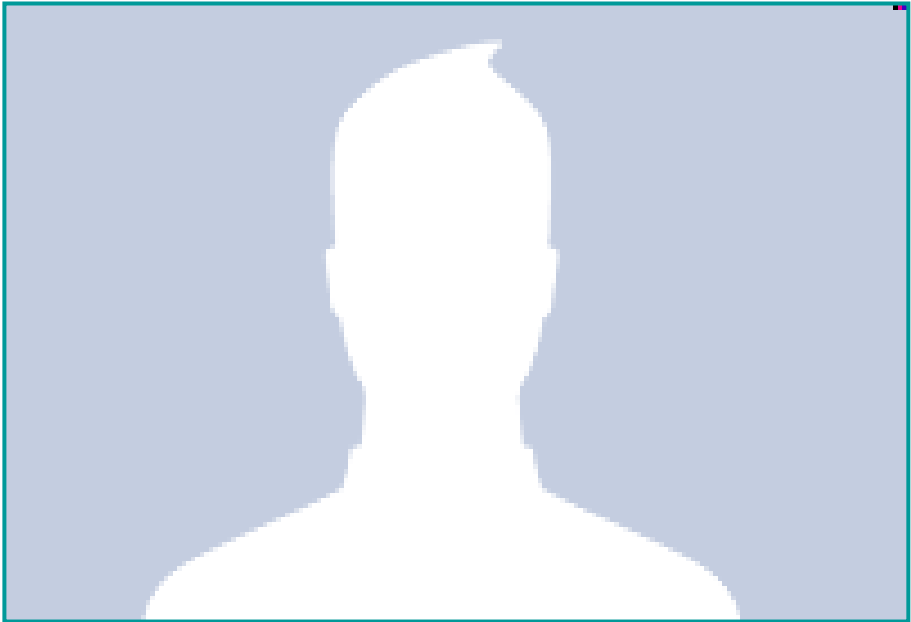


Shelley Sawers (London)
Send **Shelley Sawers** a Message

Not the **Shelley Sawers** you were looking for? [Search more >](#)



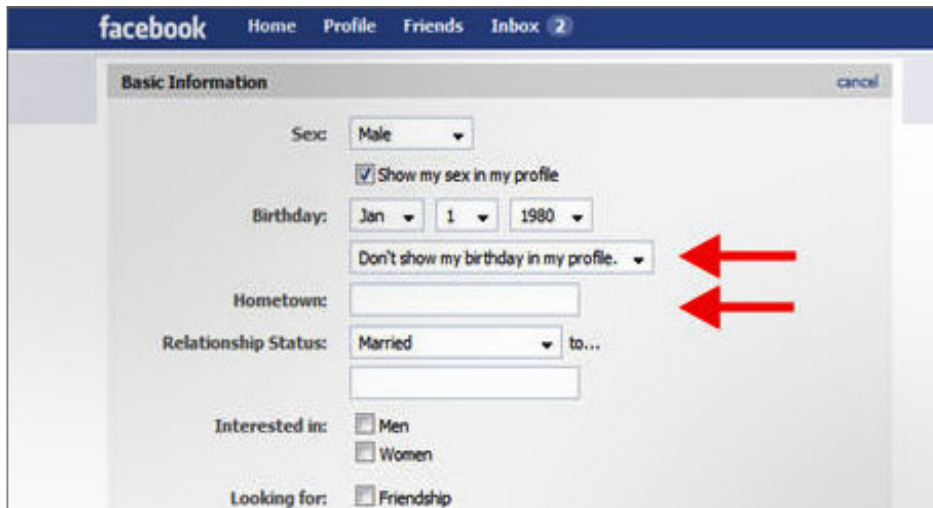
Social Networking and information leakage



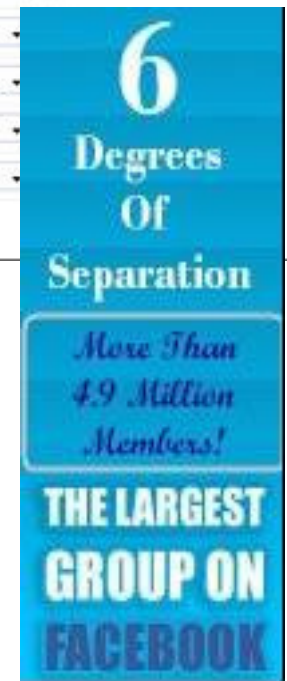
540 in Investec Group
67 in Investec Employees
48 in the ex-Investec Group (A self help group that understands what it was like)



Keep you own privacy ----- only 20% change these



41% of people agreed to become Facebook friends with Freddi Staur, leaking personal data.



“OMG I HATE MY JOB”



██████████ OMG I HATE MY JOB!! My boss is a total pervy wanker always making me do shit stuff just to piss me off!! WANKER!

Yesterday at 18:03 · [Comment](#) · [Like](#)



██████████ Hi ██████████, i guess you forgot about adding me on here?

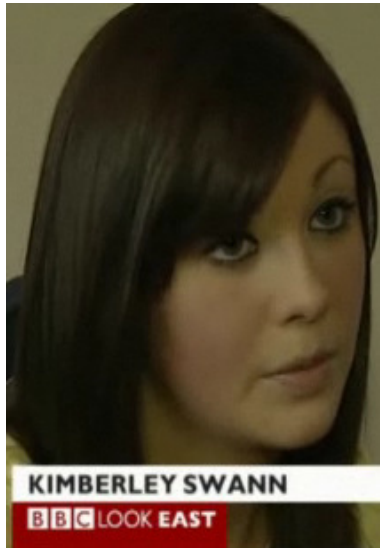
Firstly, don't flatter yourself. Secondly, you've worked here 5 months and didn't work out that i'm gay? I know i don't prance around the office like a queen, but it's not exactly a secret. Thirdly, that 'shit stuff' is called your 'job', you know, what i pay you to do. But the fact that you seem able to fuck-up the simplest of tasks might contribute to how you feel about it. And lastly, you also seem to have forgotten that you have 2 weeks left on your 6 month trial period. Don't bother coming in tomorrow. I'll pop your P45 in the post, and you can come in whenever you like to pick up any stuff you've left here. And yes, i'm serious.

Yesterday at 22:53

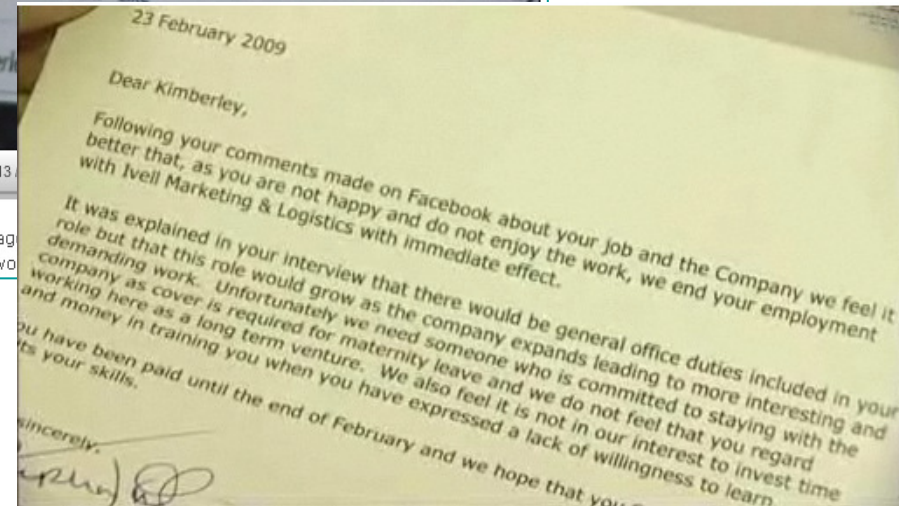
Write a comment...



"ma job it pointLESS"



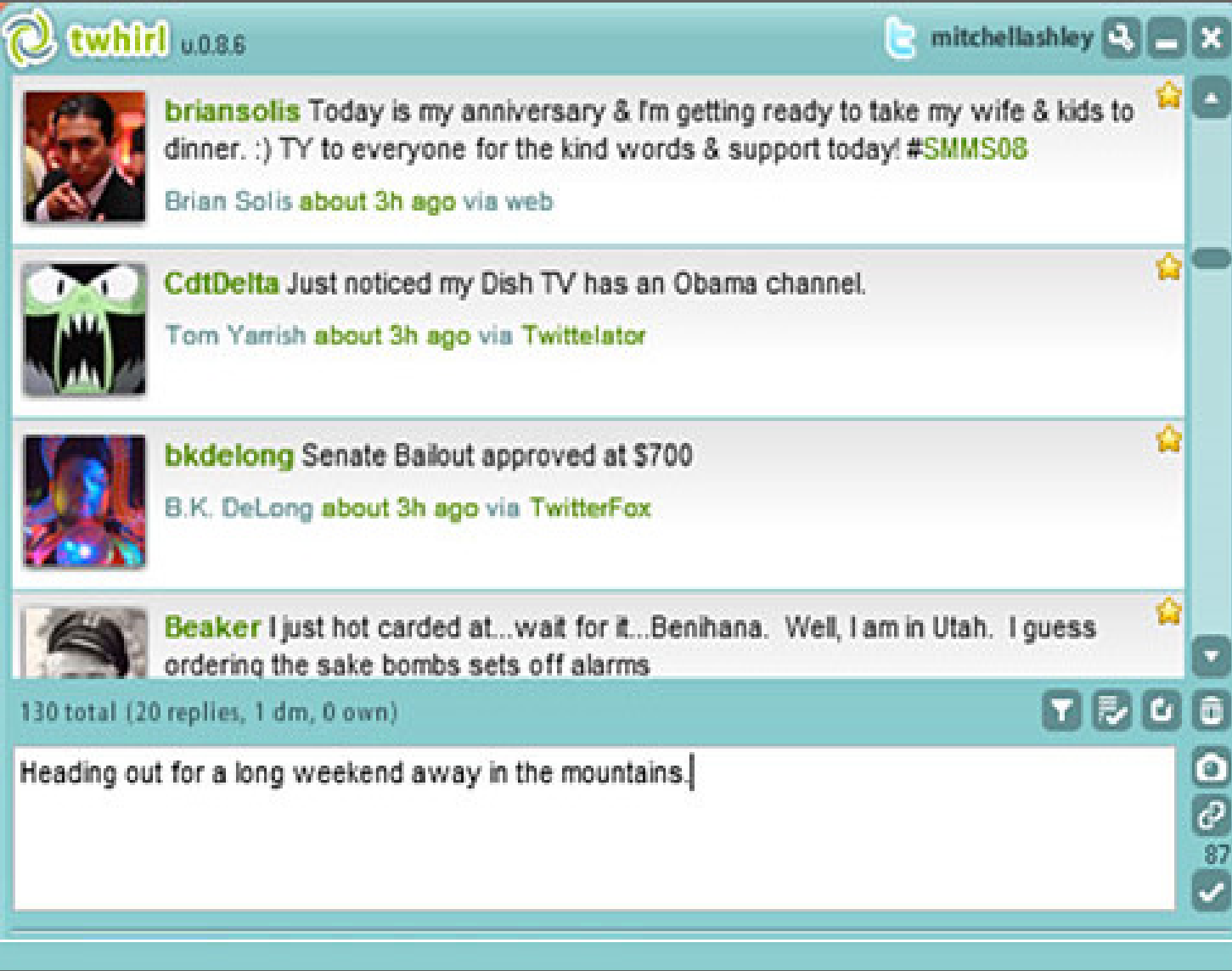
“disrespect and dissatisfaction shown undermined the employer-employee relationship and made it untenable”.



implied conditions of employment – conduct that may bring employer into disrepute; any defamatory or negative comments made about your employer in a public forum including conduct outside of work



Advertise you're away



The image shows a screenshot of the 'twhirl' social media client interface. The window title is 'twhirl v.0.8.6' and the user is logged in as 'mitchellashley'. The interface displays a list of tweets from other users:

- briansolis**: Today is my anniversary & I'm getting ready to take my wife & kids to dinner. :) TY to everyone for the kind words & support today! #SMMS08
Brian Solis about 3h ago via web
- CdtDelta**: Just noticed my Dish TV has an Obama channel.
Tom Yarrish about 3h ago via Twittelator
- bkdelong**: Senate Bailout approved at \$700
B.K. DeLong about 3h ago via TwitterFox
- Beaker**: I just hot carded at...wait for it...Benihana. Well, I am in Utah. I guess ordering the sake bombs sets off alarms

Below the tweets, it shows '130 total (20 replies, 1 dm, 0 own)'. At the bottom, there is a text input field containing the text: 'Heading out for a long weekend away in the mountains.' The interface includes various icons for filtering, replies, retweets, and other social media actions.



Know your contacts



twitter

Home Profile Fin



billclinton


I will support McCain, so in 4 years I can get back into the WH.....oops.....I mean so Hillary can get in the WH.
05:21 PM September 20, 2008 from web

Great choice McCain with PALIN! She is a Hottie! Be careful you don't get caught with your pants down again!
09:13 PM September 01, 2008 from web

John Edwards...why did you cheat on your wife that has cancer, you're a dog! If Hillary gets sick, that's it, no more Hoochies! FAMILY FIRST
04:53 PM August 08, 2008 from web

I have been too depressed to write this last month. It has been Vodka and Strippers non stop, I think I need a break to shower!
05:29 PM July 21, 2008 from web

It's all over...I have nothing to say, except...VPI VPI VPI
11:10 PM June 05, 2008 from web



twitter



jerryclarkson

Follow

i follow who follow me
3:10 PM Mar 28th from web

washed down with some Château d'Yquem and stilton
2:53 PM Mar 28th from web

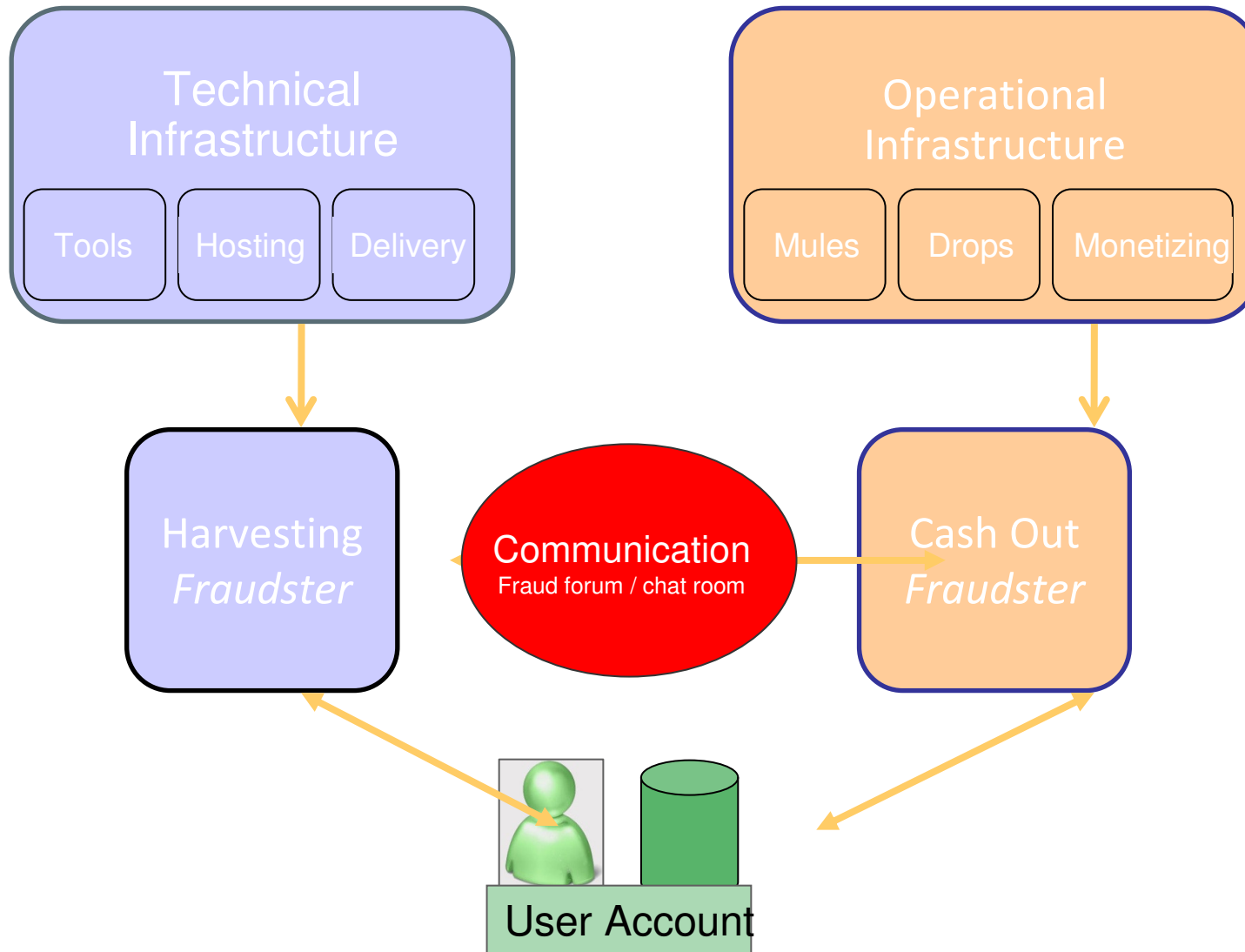
just eat veggie mince tatse's great
2:50 PM Mar 28th from web

v.....n m.....ia broadband is crap
9:46 AM Mar 25th from web

listening to bananarama greatest hits
9:39 AM Mar 25th from web



Fraud Eco System (or choose your career)



Fraud Eco System (or choose your career)

```
<Sonic> I have Bank Accounts...Fresh US Ccvs...Fresh UK Ccvs...discount if you buy in Bulk.....have 1000/2000[Dead
FULLZ].....i accept payments via E-GOLD and WU(only if 100$+)
<El_Validos> DTA 1
<El_Validos> 48264
* bRAndY has joine
* Free Im Uploa
* ChanServ sets m
* DTA selling US
<eLeCtRiC_MaStEr>
rip like HubaHuba
<reptilez> ( Selling ) Fresh Business Accounts.
* versace selling eu cvv2, msr206. Accept e-gold or wu!
* IceEyes slaps reptilez around a bit with a large trout
<IceEyes> ****ed up
* reptilez slaps IceEyes around a bit with a large trout
* _Saadi_ i'm good wu drop my share is only 20 %
<reptilez> i know.
<IceEyes> no more such t
* The^Judge I need
can pick up any WU in
<reptilez> some people s
<IceEyes> try smth else
<reptilez> i still got logins though..
<reptilez> valid ones ;/
<IceEyes> huh
<IceEyes> :)
<eLeCtRiC_MaStEr> :D
<eLeCtRiC_MaStEr> eheh
<eLeCtRiC_MaStEr> are dead
<eLeCtRiC_MaStEr> :D
<eLeCtRiC_MaStEr> they call
* Free Im Uploading Scams On Hacked Hosts For Long Time Guaranteed - Payment Egold Pm me About Prices !
<reptilez> ( Selling ) Fresh Business Accounts.
<eLeCtRiC_MaStEr> ;p
* El_Validos Cashing out -PINS- ! Msg me for FAST cashout and bins list(502-502)!!! Also cashing E-GOLD(my share 40%)
* DTA selling USA/CANADA Fulls. e-Gold(mails fresh) payment e-gold only.
<Frodo> Looking for your free to pm if at all you of any of this(PLS NOT
SELLERS) RIPPERS KEEP OFF..?/ ;)
* bestfriendsxx has quit IRC (Ping timeout)
* versace selling eu
<eLeCtRiC_MaStEr> i
* allacat has joined #ccpower
<eLeCtRiC_MaStEr> i'm good wu drop my share is only 25 %
_Saadi_ he is drop from pakistan don't trust pakistans ppl :D
he always rip like HubaHuba
* _Saadi_ i'm good wu drop my share is only 20 %
<eLeCtRiC_MaStEr> he is drop from usa don't trust american ppl :D
he always rip like G. Bush
i'm good wu drop my share is only 15 %
```


Genuine Fakes



Investec Bank UAE

Investec Bank is the perfect choice for up-to-date wealth management and protection of your financial assets. We offer a multitude of services for your benefit. You can trade shares on the world's leading stock markets, you can deposit or transfer money. Welcome to Investec Bank (Deposited).

Investec Bank principal business is offering all service private banking services delivered through modern edge technology. We list

Tuesday September 21 2004



CAPITAL- INVESTEC BANK SA

OPEN AN ACCOUNT
LOGIN & BANK NOW

Get to Know Us
Home
Company Profile
Testimonials
Contact Us

Legal
Privacy Policy
Terms & Conditions
Disclaimer
Online Banking
Open Account
Login Now
Transfer Account Login

PRODUCTS, RATES AND SERVICES
ATMs

These ATMs are "Surcharge Free" Our ATMs are also part of the network. All ATMs in this network Surcharge Free! See a custom representative about applying! CAPITAL- INVESTEC BANK SO. CreditCard today.



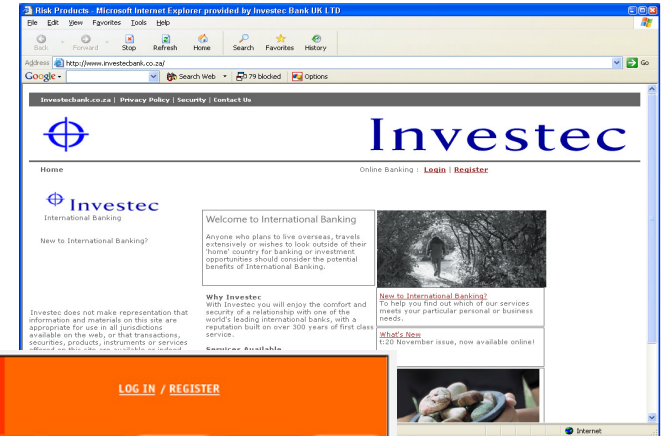
ITB ONLINE BANKI

WELCOME TO INVESTEC TRUST BANK web site

If you forgot your code number to the site, or receive e-mails, letters or phone calls from any body claiming to be staff of Investec Trust Bank. Please click E Mail us and send us mail for verification and confirmation. Specify if the transaction you were contacted for was meant for Switzerland or Spain office.

Email Us

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Investec

Home Online Banking | **Learn** | **Register**

Welcome to International Banking

Anyone who plans to live overseas, travels extensively or wishes to look outside of their home country for banking or investment opportunities should consider the potential benefits of International Banking.

Why Investec
With Investec you will enjoy the comfort and security of a relationship with one of the world's leading international banks, with a reputation built on over 300 years of first class service.

New to International Banking?
To help you find out which of our services meets your particular personal or business needs:

What's New
1:20 November issue, now available online!

LOG IN / REGISTER

Current Account Information & Forms Useful Links & Tools Internet Banking Contact Us Terms



INVESTEC BANK INTERNATIONAL

Internet Banking

MyBankOffshore
Manage your money online
24 hours a day
when and where it suits you

LOG IN REGISTER

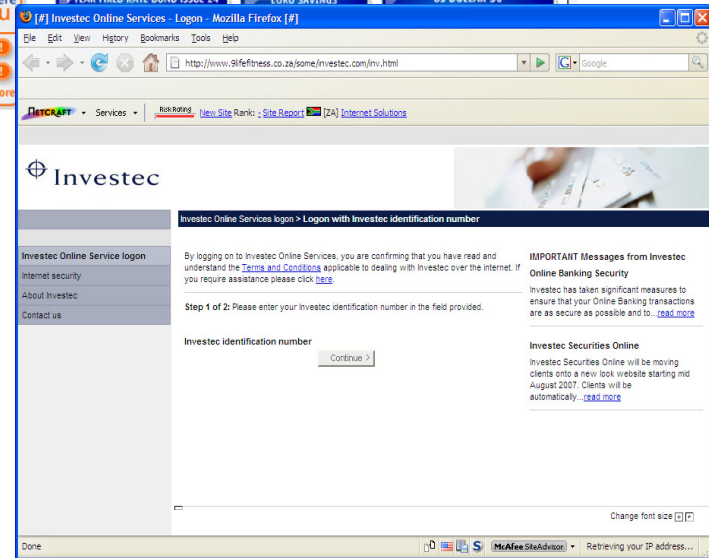
OFFSHORE 120 Plus

FOR A BRIGHTER FUTURE SAVE OFFSHORE

4.95% GROSS PA/AER VARIABLE

Tax Information OFFSHORE TAX PLANNING EU SAVINGS TAX DIRECTIVE

1 YEAR FIXED RATE BOND ISSUE 24 EURO SAVINGS US DOLLAR 30



Investec

Investec Online Services login > Logon with Investec identification number

Investec Online Service logon

By logging on to Investec Online Services, you are confirming that you have read and understand the [Terms and Conditions](#) applicable to dealing with Investec over the internet. If you require assistance please click [Here](#).

IMPORTANT Messages from Investec Online Banking Security
Investec has taken significant measures to ensure that your Online Banking transactions are as secure as possible and to [read more](#)

Investec Securities Online
Investec Securities Online will be moving clients onto a new look website starting mid August 2007. Clients will be automatically [read more](#)

Investec identification number

Change font size



Invispb
Global | Secured | Easy

Investec International Specialist Private Bank

Monday, 12 January 2009

Apply Now!

Main Menu
Home
About Us
Services
Private
Terms
Disclaimer
Contact Us
Account Login
Syndicate

Home

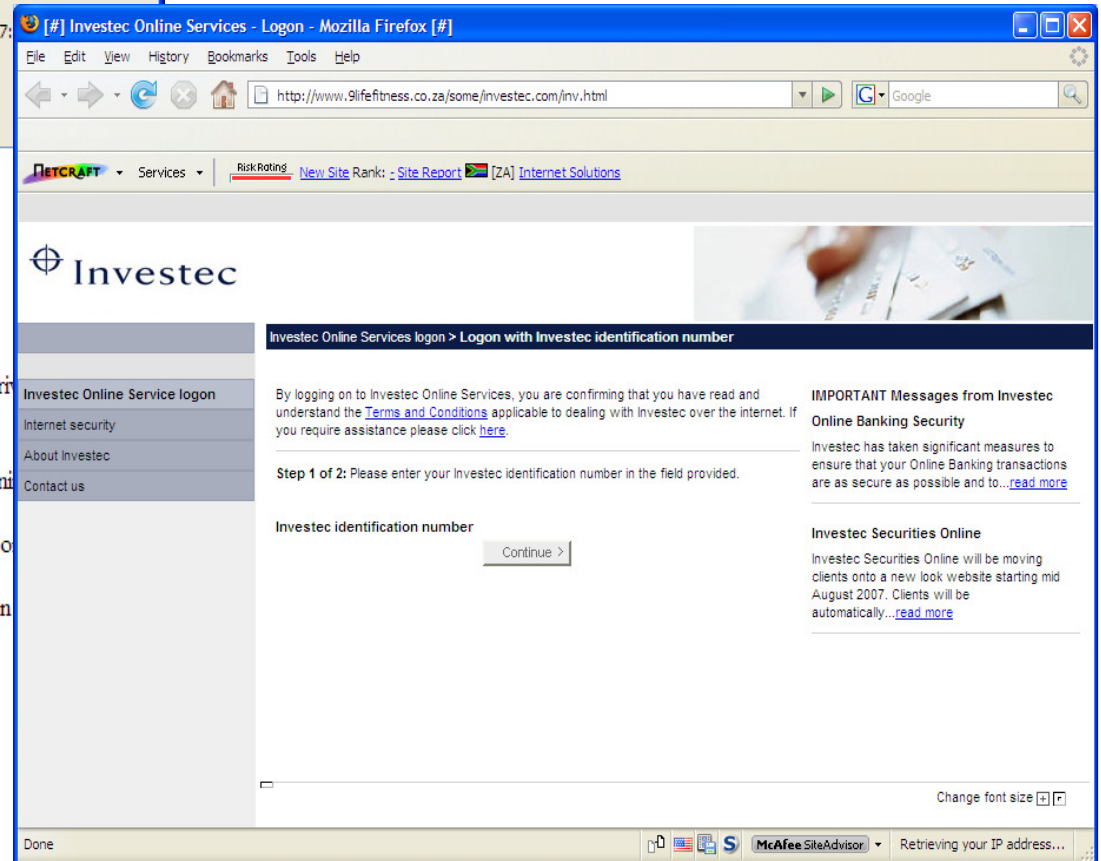
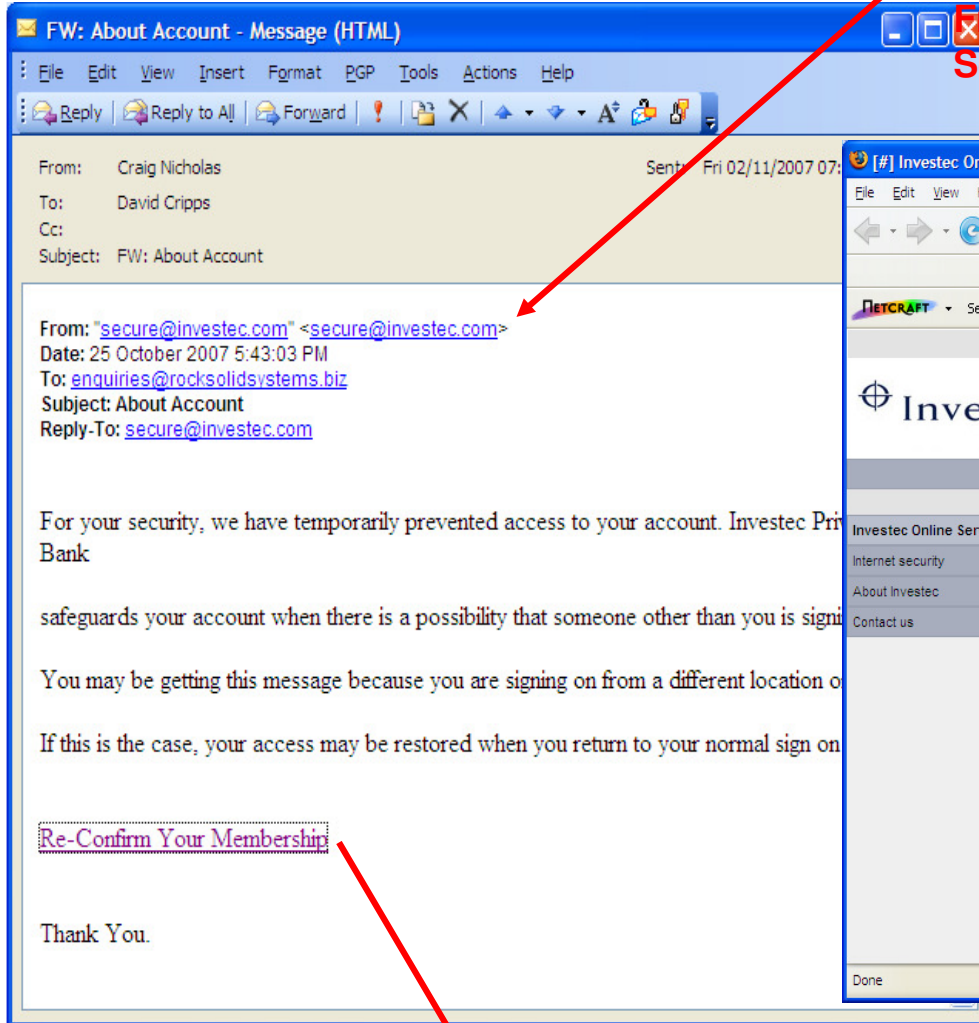
It is through their teamwork and dedication that Invispb has been able to grow and prosper over the years.

About Us

Investec's first Phish – November 2007

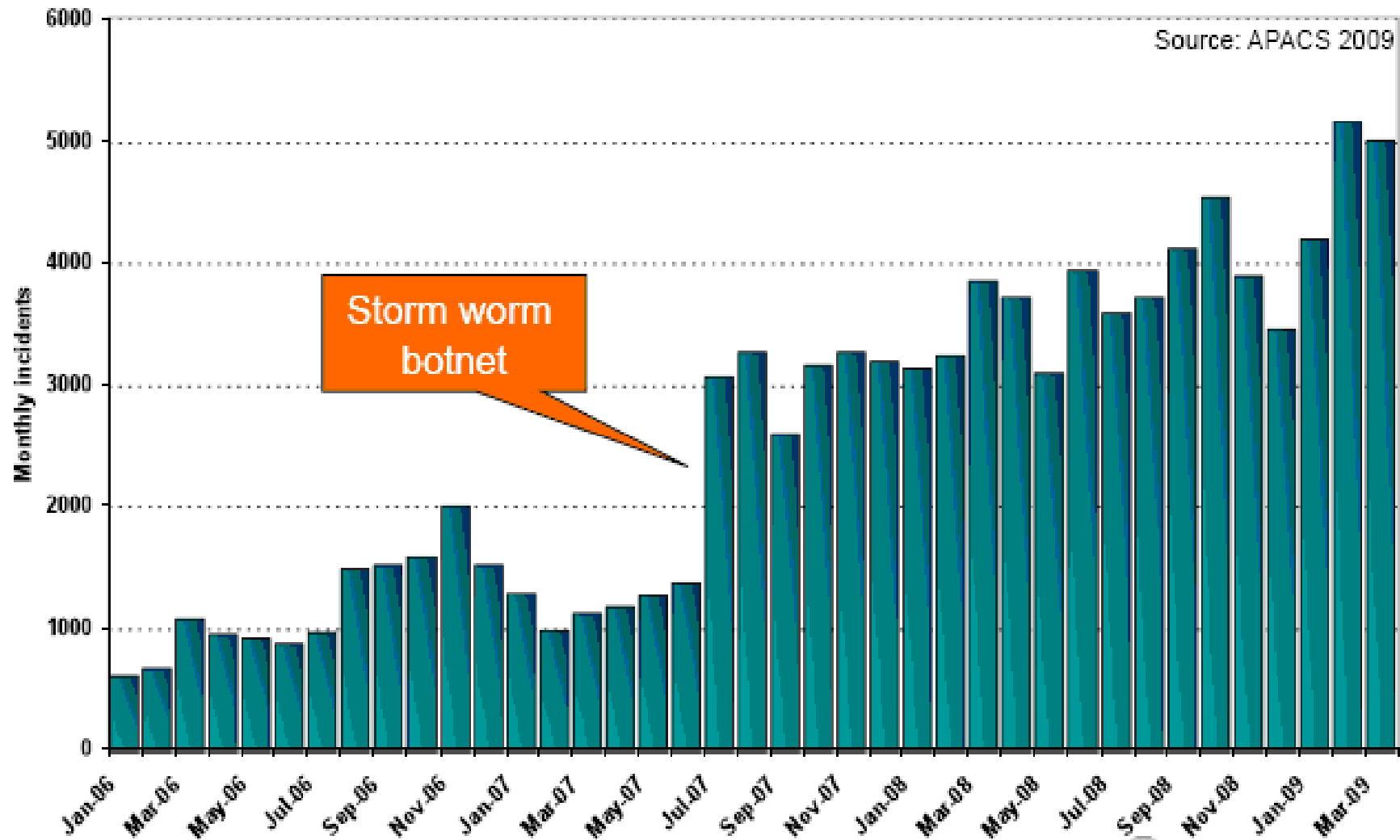
X-URL: mail2web.com/

From: "secure@investec.com" <secure@investec.com>
Sender: michellen@moyo.co.za




www.9lifefitness.co.za/some/investec.com/inv.html

Phishing incidents – UK banks



SARS scam



Tax Notification

After the last annual calculations of your fiscal activity we have determined that you are eligible to receive a tax refund of ZAR 1484.40.

Please submit the tax refund request and allow us 48 hours in order to process it.

A refund can be delayed for a variety of reasons. For example submitting invalid records or applying after the deadline.

To access the form for your tax refund, [click here](#)

Regards,
South African Revenue Service (SARS)

Document Reference: (92054568).



Individual User - Tax Refund Form

Title: Initials: Firstname: Surname:

Please enter a Debit/Credit Card where refund will be made:

Bank: Bank Name:

Card Number:

Card Expiration Date: /

Card PIN: [Why is my PIN required?](#)

Refund Amount: **ZAR 1484.40**

Please select submit to continue getting your refund.

[Terms & conditions](#) | [Privacy Policy](#) | [Disclaimer](#) | [Manual on the Promotion of Access to Information Act 2000](#)

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padlocks

The image shows a Windows Internet Explorer browser window displaying the NatWest online banking login page. The address bar contains a long URL starting with `https://www.nwob.com/default.aspx?refererid=37948680B44379F91E93F78878A3D8AC6C292E`. The page title is "Log In - Windows Internet Explorer provided by Investec Bank plc". The NatWest logo and "Helpful Banking" text are visible at the top. The main content area is titled "Online banking" and "Log In - Step 1". It asks for the "Your Customer Number" and provides instructions: "Please enter your Customer Number. This is your date of birth (ddmmyy) followed by your unique number which identifies you to the Bank." There is an input field for the customer number and a link for "Forgotten your Customer Number, PIN or Password?". At the bottom of the browser window, a status bar shows a padlock icon and the text "Internet".

Overlaid on the right side of the browser window is a "Certificate" dialog box. The "General" tab is selected. The "Certificate Information" section states: "This certificate is intended for the following purpose(s):" followed by a bullet point: "•Ensures the identity of a remote computer". Below this, it says "* Refer to the certification authority's statement for details." The "Issued to:" field is circled in red and contains the text "www.nwob.com". Other fields include "Issued by: VeriSign Class 3 Extended Validation SSL SGC CA" and "Valid from 09/11/2007 to 09/11/2009". At the bottom of the dialog box are buttons for "Install Certificate...", "Issuer Statement", and "OK".



LATEST ATTACKS – ONLY WEEKS OLD

The image shows a screenshot of the Barclays Online Banking login page. The browser window title is "Barclays Online Banking - Log-in Step 1 of 2 - Microsoft Internet Explorer". The address bar shows the URL "https://bank.barclays.co.uk/olb/f/LoginMember.do". A red text overlay "Genuine URL!" is positioned over the address bar. The page content includes a "Log-in Step 1 of 2" heading, a "Your Details" section with input fields for Surname, Membership number, Memorable word, First name, Date Of Birth, and 16 Digit Card Number, and a "Security Check" section. A red bracket on the right side of the page highlights the "Date Of Birth" and "16 Digit Card Number" fields, with a red arrow pointing to the text "Additional Fields injected by Trojan".

Barclays Online Banking - Log-in Step 1 of 2 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh

Address <https://bank.barclays.co.uk/olb/f/LoginMember.do>

Genuine URL!

BARCLAYS

Log-in Step 1 of 2

Simply follow the steps 1-2

1 Your Details

2 Security Check

Logging in with PINsentry?

Did you know that you can still log-in to Online Banking even if you don't have your PINsentry device to hand? Just follow the 'forgotten your PINsentry card reader' link below to find out how. Message last updated on 9 September 2008.

Your Details

Please enter your membership details below

Surname [Help ?](#)

Membership number [Help ?](#)

[Forgotten your log-in details?](#)

[Personal/Premier customers: forgotten your PINsentry card reader?](#)

[Business customers: forgotten your PINsentry card reader?](#)

Select this box and then the green 'next' button to save your membership number and surname on this computer. [Help ?](#)

Your Details

Please enter your membership details below

Surname [Help ?](#)

Membership number

Memorable word

First name

Date Of Birth(e.g. 25.05.1966)

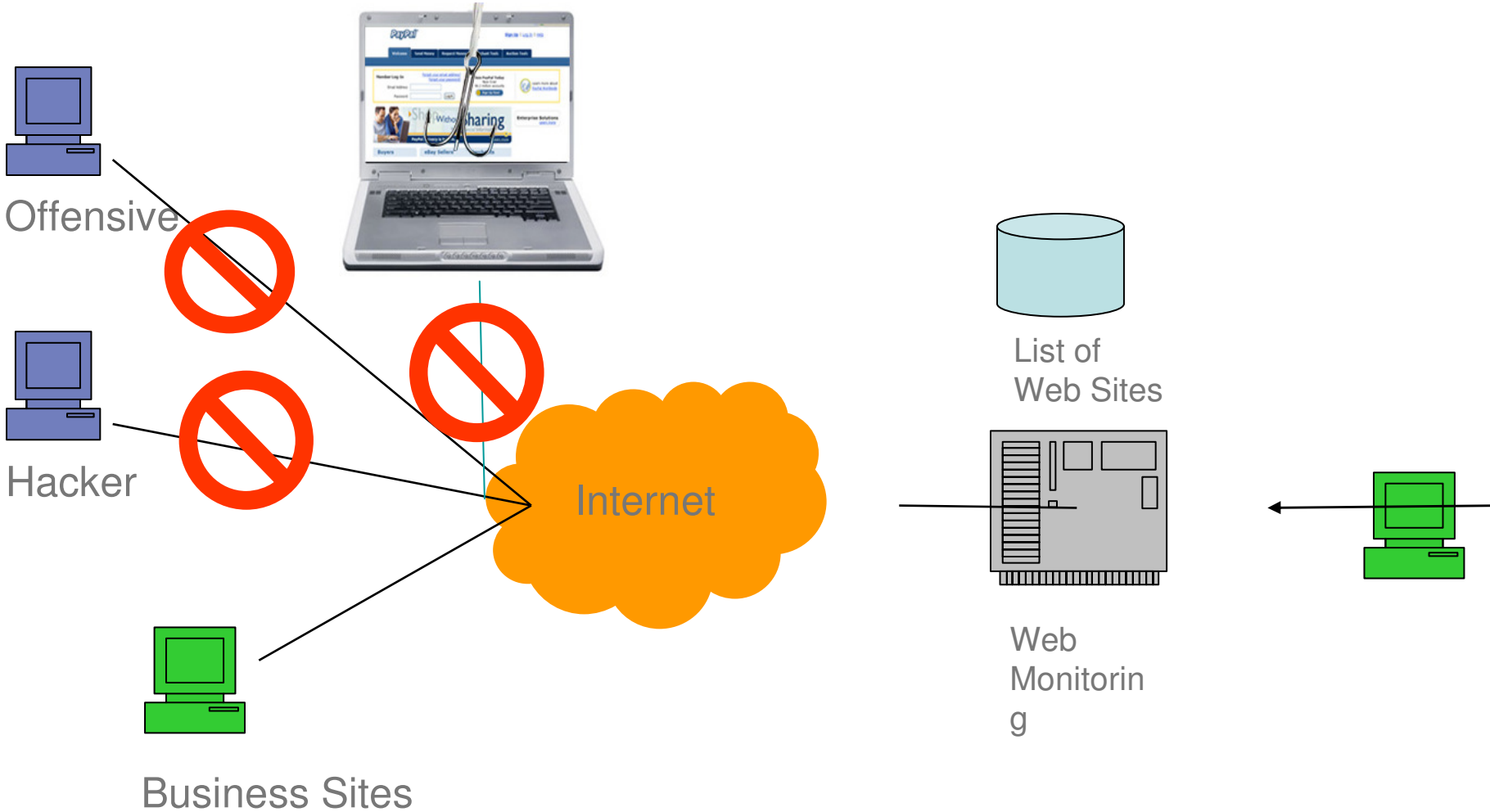
16 Digit Card Number

Telephone banking password

Additional Fields injected by Trojan



Monitoring



The majority of sites on the Internet are pornography related --Some of them are easier to find than others...

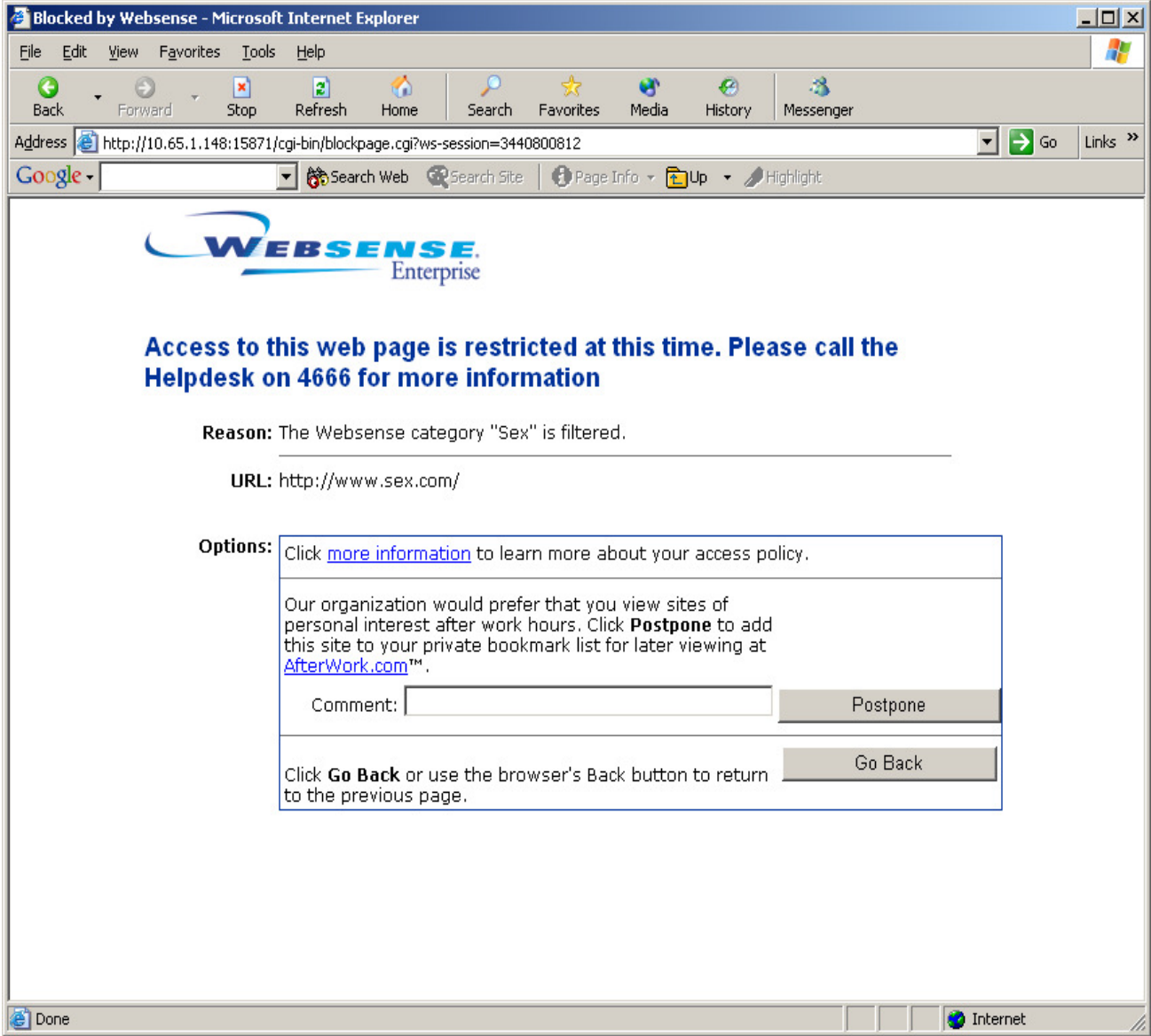


www.whitehouse.gov

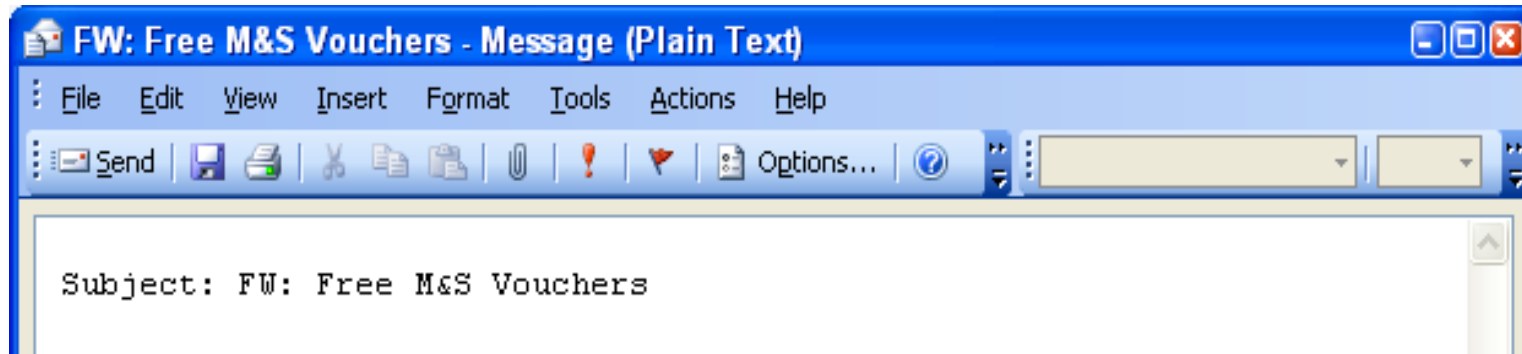
www.whitehouse.com



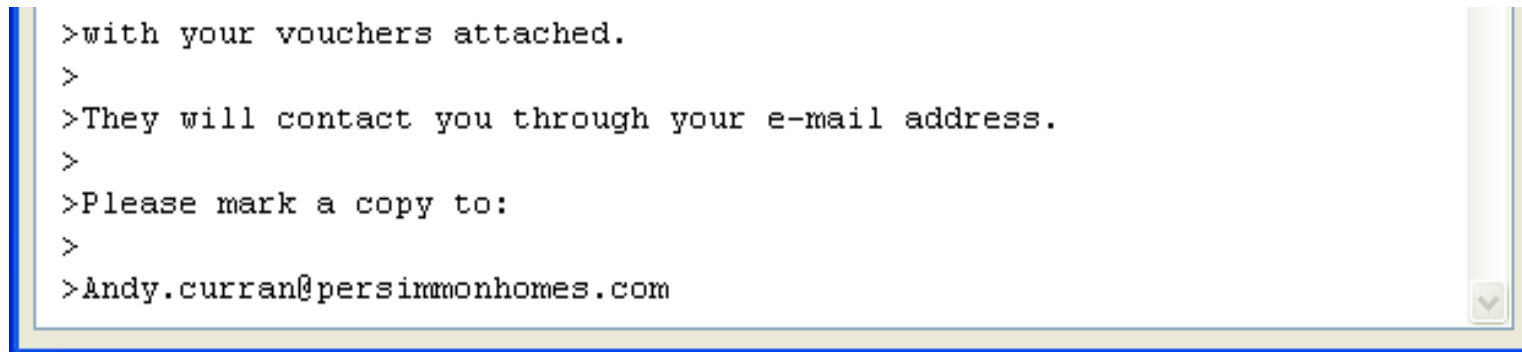
Blocking



Denial of service – being a good cyber citizen



Resulted in Persimmons
receiving 200 emails / minute



Information leakage ----- it's not IT

TIMES ONLINE

From The Sunday Times

April 26, 2009

British spy loses secrets in a handbag



It happened when the MI6-trained agent left her handbag on a transit coach at El Dorado airport in Bogota, Colombia. Intelligence chiefs were forced to wind up operations and relocate dozens of agents and informants amid fears the device could fall into the hands of drugs barons.



Information leakage ----- it's not IT

R12,8M

Last Updated: Wednesday, 14 February 2007, 16:16 GMT

 E-mail this to a friend

 Printable version

Nationwide fine for stolen laptop

The Nationwide Building Society has been fined £980,000 by the City watchdog over security breaches.

The fine follows the theft of a laptop from a Nationwide employee's home which contained confidential customer data.



Nationwide security procedures were found to have failed

The Financial Services Authority (FSA) found security was not up to scratch after the man had put details of nearly 11 million customers on his computer.

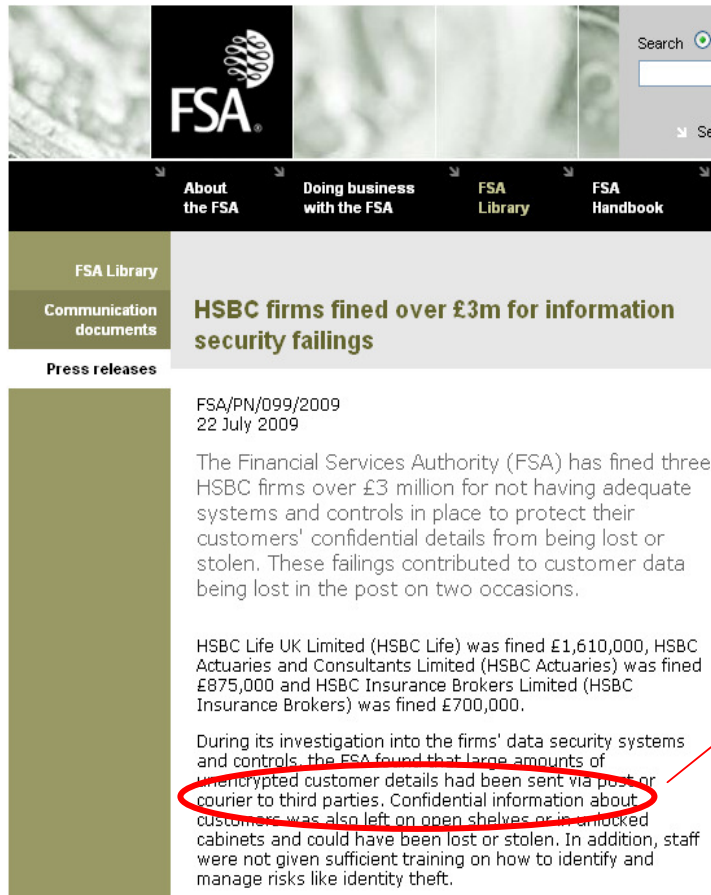
The FSA also found that the Nationwide did not start an investigation until three weeks after the theft occurred.

Financial crime

The FSA will not reveal exactly what was on the laptop as it has still not been recovered.



Information leakage ----- it's not IT



HSBC £3.2M / R42M

“found that large amounts of unencrypted customer details had been sent via post or courier to third parties. Confidential information about customers was also left on open shelves or in unlocked cabinets”



1,917
Client
details



180,000
Client
details



Information leakage ----- it's not IT Clean Desks....



CONFIDENTIALITY LETTER
 [◆ LETTERHEAD OF Company
 To: [Division] of
 Investec Bank (UK) Limited
 2 Gresham Street
 London
 EC2V 7QP

Dear Sirs

We understand that you are considering (the "Transaction"). In consideration information, by your signature of a copy

1. CONFIDENTIALITY UNDER
 You undertake:

Plc Credit Committee
 Agenda

Meeting to be held on Monday 11th February 2008
 13:30
 3rd Floor Credit VC Room

Switzerland				
	CM	Borrower	Nature of Transaction	Additional Amount
1.		[REDACTED]	New limit	

no paper

Dublin				
	CM	Borrower	Nature of	Additional

----- PRIVATE AND CONFIDENTIAL -----

MISSION RATE SCHEDULE
 FOR
Investec Securities

Cap. Revenue '000) (£'000)	EBITDA (£'000)	Date	Team	Key Contacts	Next Steps/ Notes
208	448,381	56,180	31-Jul-07	[REDACTED] (Chairman)/ Richard [REDACTED] (CEO)/ [REDACTED] (CFO)	Meeting re possible bid
197	16,405	7,436	31-Dec-06	[REDACTED] (Chair)/ [REDACTED] (COO)/ [REDACTED] (CFO)	Look into dual listing op acquisition targets
	135,360	18,460	31-Dec-06	[REDACTED] (Non exec chair & majority shareholder) [REDACTED] (CEO)	
	0	86,000	31-Dec-06	[REDACTED] (Chair)/ Mike Arrowsmith (CEO)/ [REDACTED] (FD)	Present to [REDACTED]
	6,751	55	31-Mar-07	[REDACTED] (Non-Exec Chair)/ [REDACTED] (CEO)	[REDACTED] parent co registered



Data Protection Act / Protection of Personal Information Act



Data Protection Act 1998

1998 CHAPTER 29



Convention for the Protection of Individuals
with regard to Automatic Processing of
Personal Data

Strasbourg, 28.I.1981



1. Obtain and process data fairly and lawfully
2. Store data for specified and legitimate purposes
3. Data is adequate, relevant and not excessive in relation to the purposes for which they are stored
4. Data is accurate and, where necessary, kept up to date;
5. Data is preserved in a form which permits identification of the data subjects for no longer than is required for the purpose for which those data are stored.
6. Data is processed in line with your rights
7. Data is kept secure (“appropriate security measures shall be taken”)
8. Data is not transferred to other countries without adequate protection



Payment Card Industry



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Government charges Miami man with largest-ever US credit card theft

Federal prosecutors accuse one-time government informant of trying to gain access to 130m accounts.

Hackers target TK Maxx customers

Hackers have stolen information from at least 45.7 million payment cards used by customers of US retailer TJX, which owns TJ Maxx, and UK outlet TK Maxx.

In a statement to US watchdogs the firm said it did not know the full extent of the theft and its effect on customers.



Stores in the US, UK, Canada, Ireland and Puerto Rico are affected

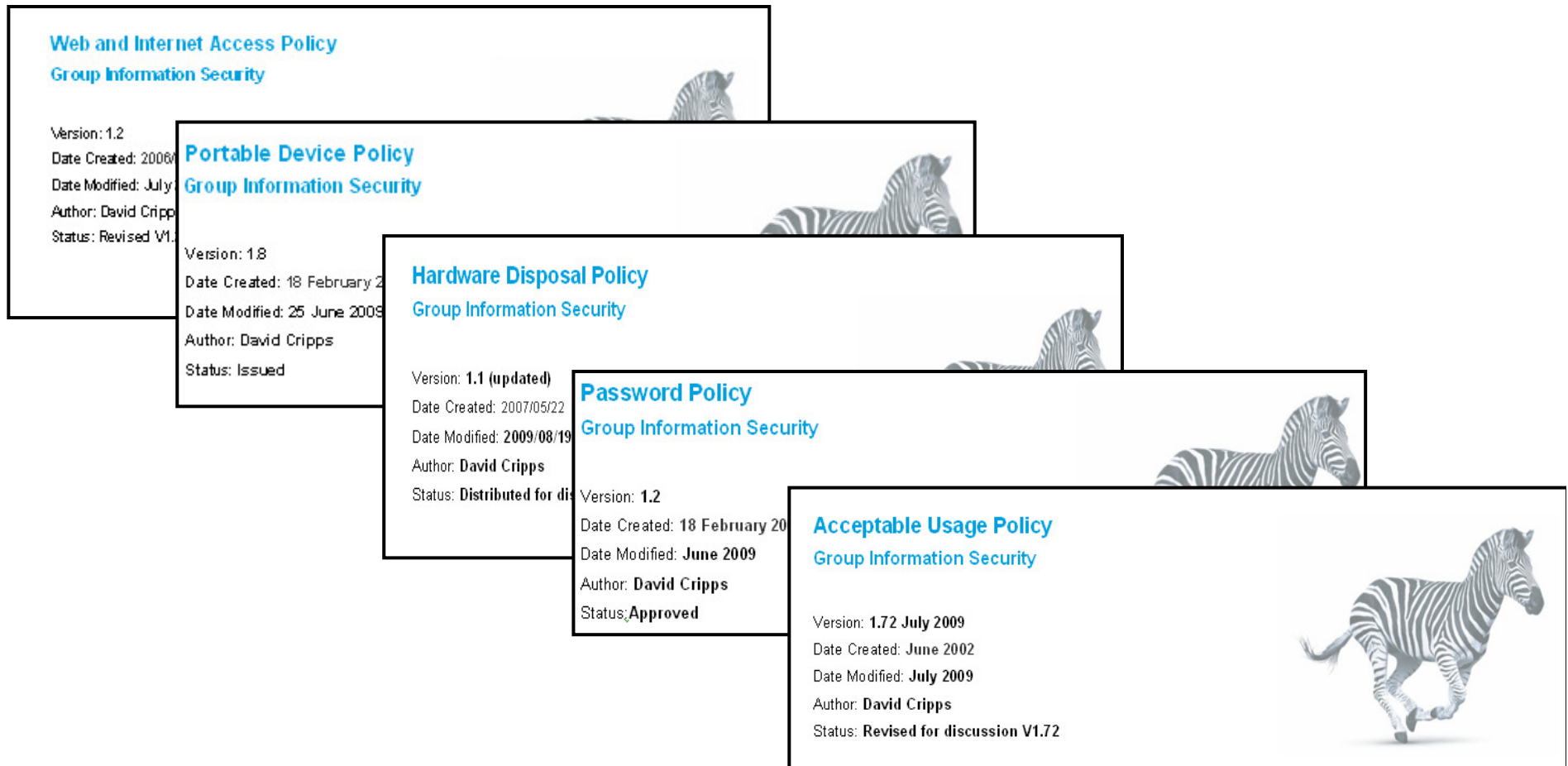
TJX added that the security breach may also have involved TK Maxx customers in the UK and Ireland.

- **Build and Maintain a Secure Network**
- **Protect Cardholder Data**
- **Maintain a Vulnerability Management Program**
- **Implement Strong Access Control Measures**
- **Regularly Monitor and Test Networks**
- **Maintain an Information Security Policy**



Policies –

Acceptable Usage / portable devices / password / Web...



Acceptable Usage

- **At all times, protect the confidentiality of client, counterparty, business and IT information obtained in the course of performing all Investec functions.**
- **At all times, respect the legal rights related to “intellectual property” belonging to Investec as an organisation and to non-Investec organisations/persons.**
- **Use Investec computers, networks and other information resources for legitimate business purposes, however, limited, reasonable personal use of email and the internet is acceptable**
- Don't bring Investec into disrepute
- Use appropriate passwords (8 characters)
- Physically protect hardware (screen savers/locks/
- Clear desk (don't leave sensitive information where it can be copied/stolen)
- No confidential information to leave building unencrypted
- Don't access or send offensive, obscene, pornographic or harassing material
- Don't access social networks, chatrooms, blogs, Webmail, etc from work
- Don't bypass our controls (3G, GotoMyPC, Modems, iBurst, etc)



Common Sense

Encrypt all sensitive and client information off site

Use strong passwords and don't share

Unsolicited emails and links in emails

Think! – will this look bad if seen by a client?

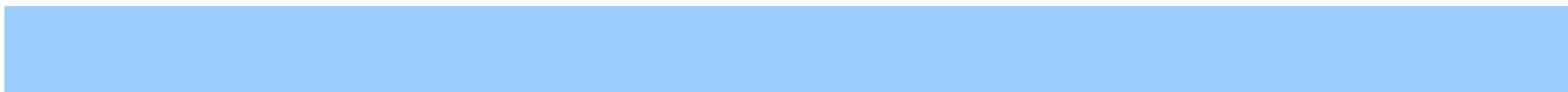
Report incidents and losses to service desk 3355

No unauthorised installations

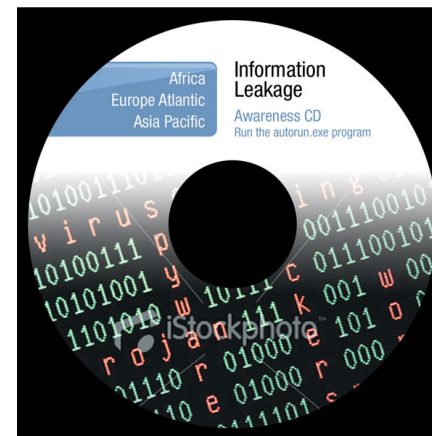
Do not trust anybody who phones

Backup

Be careful what you publish on the Internet



Security applies at home as well !



Free Anti-virus programs

- Free Anti Virus <http://www.free-av.com/>
- AVG <http://free.grisoft.com/>

Personal Firewalls (some free or pay extra for upgrade with more functionality)

- ZoneAlarm: <http://www.zonelabs.com> Free/ \$40
<http://www.zonealarm.com/store/content/dotzone/freeDownloads.jsp>
- Black Ice <http://blackice.iss.net> \$39
- Kerio <http://www.sunbelt-software.com/Home-Home-Office> Free/\$10

Combined products:

- <http://www.symantec.com/norton/index.jsp> £40.
- <http://www.mcafee.com/myapps/is5/default.asp> £40

PC Cleaners

- SpyBot S&D <http://www.safer-networking.org/> Free
- Adaware http://www.lavasoftusa.com/products/ad_aware_free.php Free
- Also check out site www.grc.com to test your existing PC to see how vulnerable you are.

Browser Blockers:

- WeBlocker

Update you PC

- <http://windowsupdate.microsoft.com>



Questions?

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