

Mikko Hypponen Chief Research Officer, F-Secure Corp

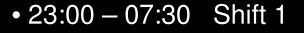
**F-SECURE**<sup>®</sup>



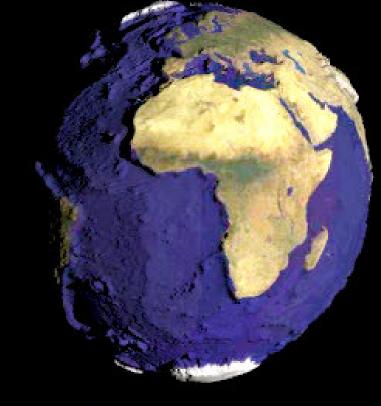
# **Response Lab Overview**



# F-Secure Response Labs work 24 hours a day



- 07:00 15:30 Shift 2
- 15:00 23:00 Shift 3



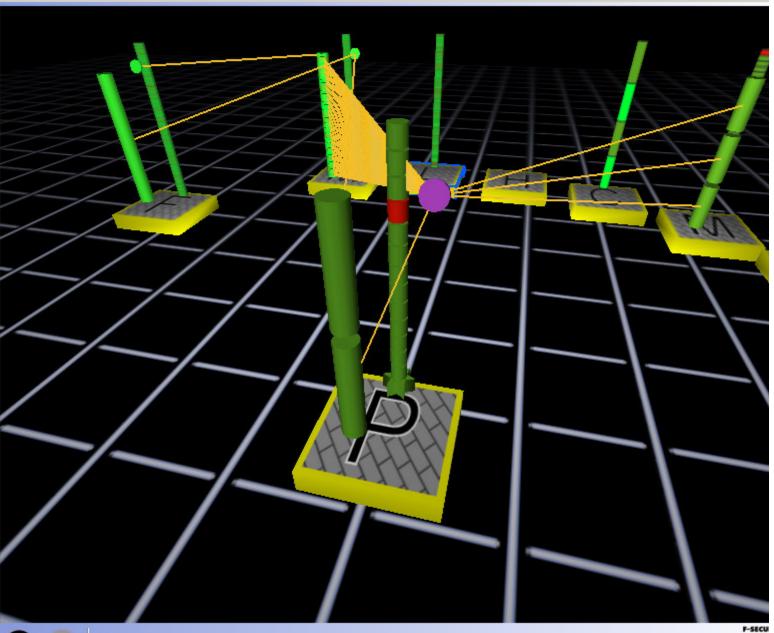


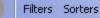
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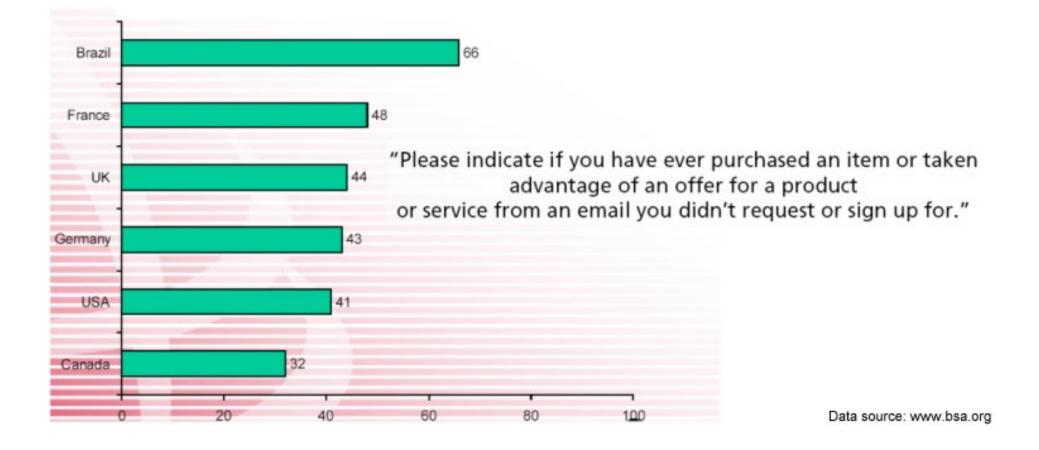




# \$\$\$\$ via viruses

Stealing credit card numbers
Stealing email addresses
Stealing passwords to Paypal + eBay
Stealing passwords to online banks
Stealing passwords to stock brokers
Stealing passwords to Poker sites
Stealing passwords to WOW+Lineage
Targeted attacks – industrial espionage

# **Does anybody buy from spam?**





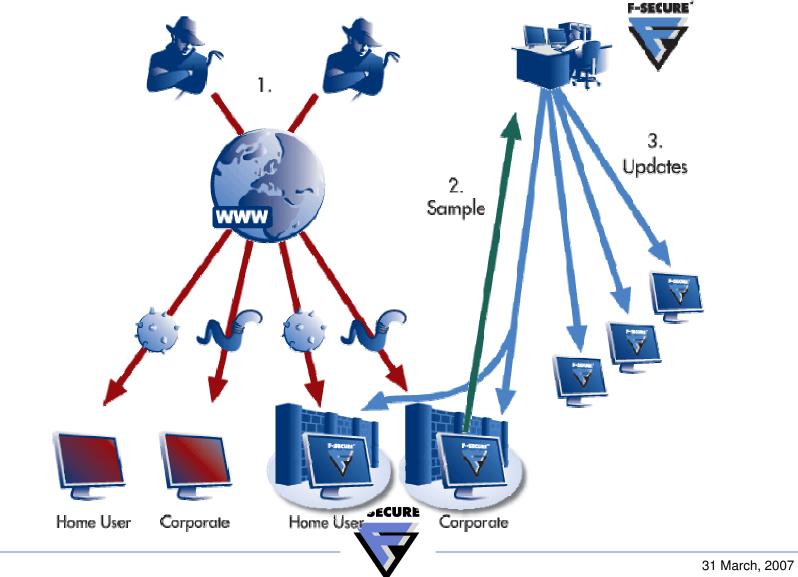
## Table 6.1 Revenue vs. Products Sold

Product Type	Price to the User	Spammers Profit per Sale	Gross Profit for 0.0001 Percent Sales in 1 Million E-mails
FastSize, Male Penis Enlarger	\$300	\$75 to \$125	\$7,500 to \$12,5000
VigRX, Male Sexual Enhancer	\$60 per month	\$18 to \$30	\$1,800 to \$3,000
Triplexxxcash.com, Porn Site	\$30 per month	\$30	\$3,000
VegasRed, Online Casino	\$100	\$25 to \$40	\$2,500 to \$4,000
Debt Consolidation, Financial	Unknown	\$13	\$1,300
Home Loan, Financial	Unknown	\$1500 to \$2000	\$150,000 to \$200,000
Getting Paid as a Spamm	er • Chapter 6 131		

# **Targeted Attacks**

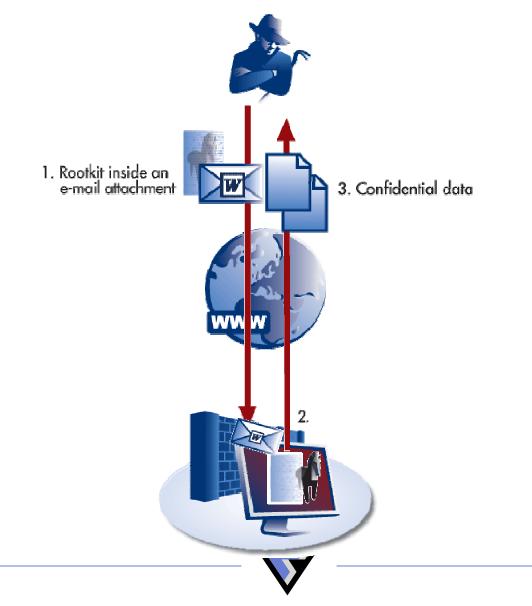


# **Traditional untargeted attacks**



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# **Targeted attacks – stealing confidential data**

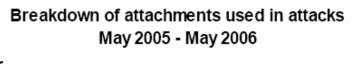


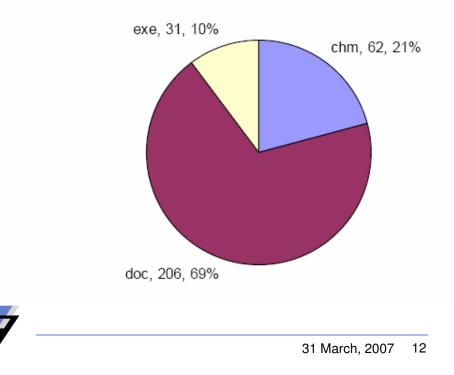
31 March, 2007 11

# **Targeted attack emails**

F-SI

Interesting and **relevant** email in **local** language One attachment (DOC, EXE, CHM, XLS or PPT) The attachment uses an exploit to drop a backdoor





Era	Enemy
1986 - 2003	Hobbyists
2003 -	Criminals
2006 -	Spies

# New technologies to the rescue:

- F-Secure Blacklight
- F-Secure Deepguard

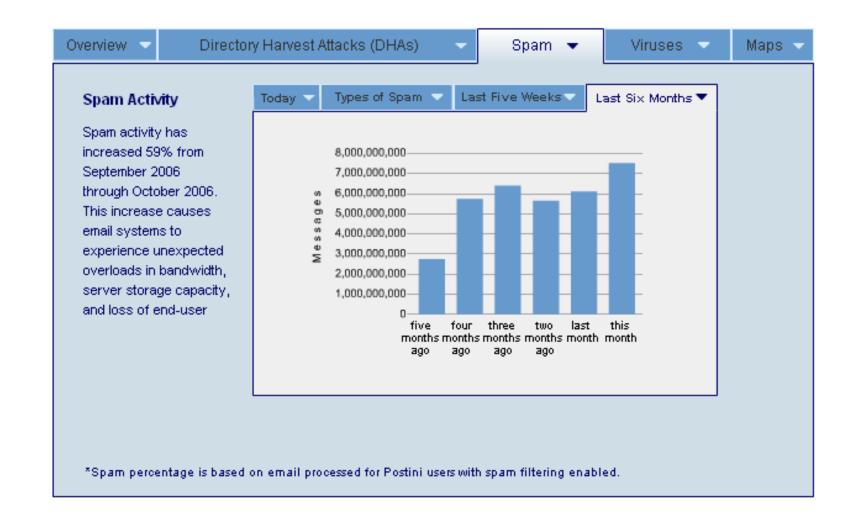


# Windows Vista

# **Increase in**Spam?



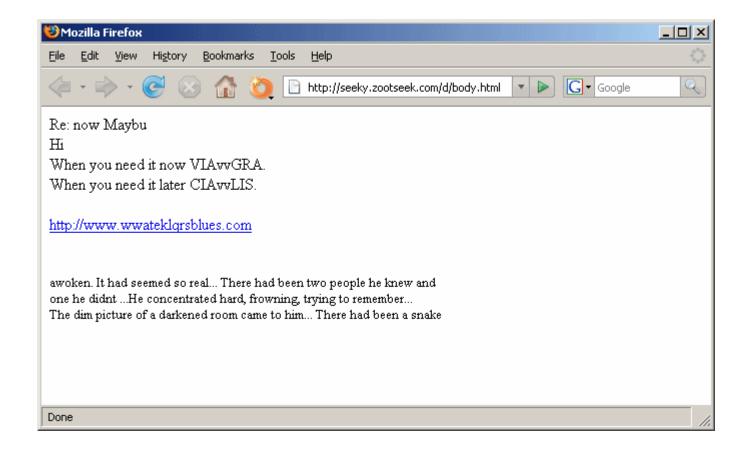
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Source: Postini

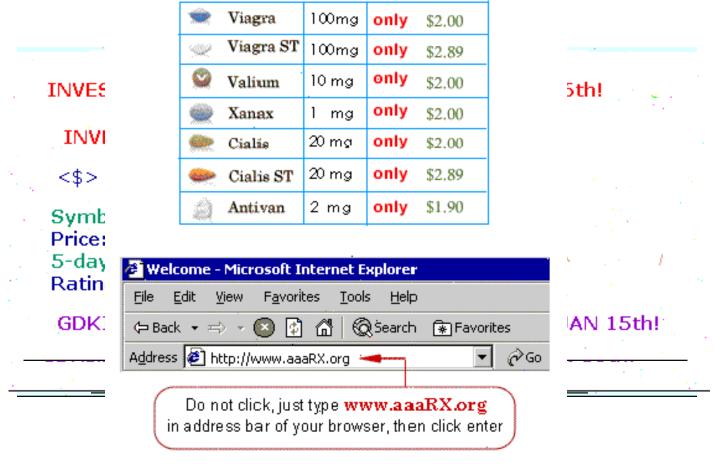
# Warezov / Medbot & Rustock





## Lowest Price Guarantee Fast Delivery

Do not click, type in your browser www.aaaRX.org

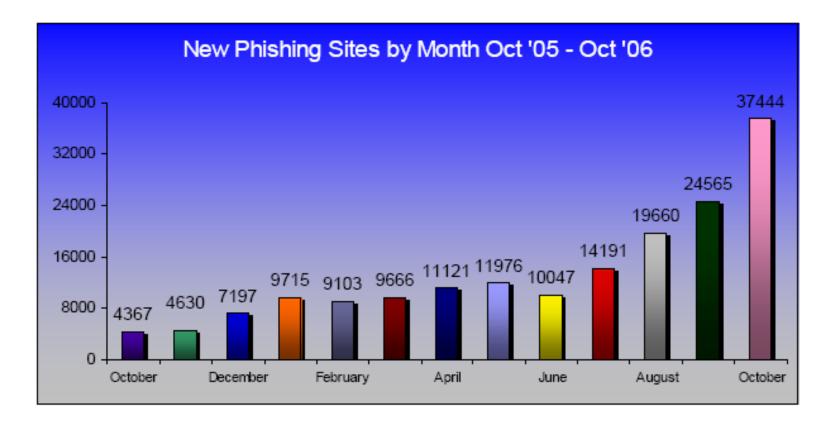




# Phishing

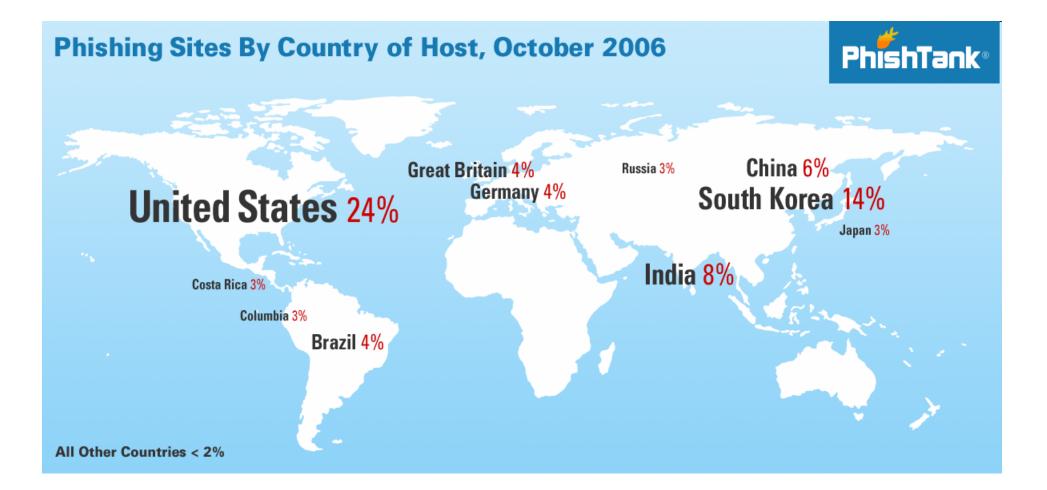


# Phishing



Source: Anti-Phishing Working Group







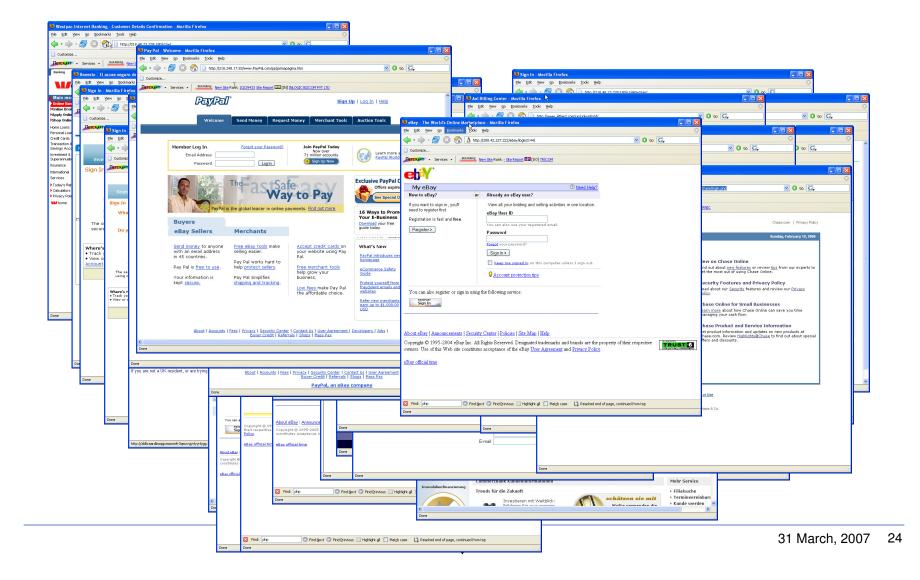
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Expiration Date*:	- Cand	
Expiration Date*: •	Please	Information enter your credit card number, erification number, expiration date

Rock phish report for 2007-03-14 Domains under attack Total number of hits per target: 132 53.com 62 volksbank.de 57 online.bbt.com 43 app.nordea.se 29 sparkasse.de 14 www.bankofamerica.com 14 cantal.credit-agricole.fr 12 www.citibank.de 9 www.deutsche-bank.de 9 online.bbandt.com 3 global.etrade.com 2 citi.com

1 bankingportal.sparkasse.de



# **Phishing Examples**





### nologies » Nuclear grabber :.

« : A311 Dea†h : »

АЗ11 Death это профессиональная система удалённого администрирования с кучей возможностей.

Помните, что постоянное совершенствование средств защиты требует постоянный приток новых технологий тестиро ТОЛЬКО свежее spyware способно обеспечить уровень функциональности, адекватный текущим потребностям.

-==::==-

#### !!! теперь возможен заказ с ПРОФЕССИОНАЛЬНОЙ админкой для организации сокс-сервиса.

- СВЕЖАЯ GEO база (IP to country-state-sity)
- система аккуантов и установка лимитов (срок действия аккуанта, количество взятых проксей)
- вывод соксов для пользователей в поштучном виде типа 197.59.\*\*\*.\*\*\*
- поиск и фильтрация по соксам
- в цену входит установка на сервер

цена 250 \$

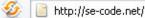
посмотреть скриншоты

\*\*\* установка производится ТОЛЬКО на технически подготовленные сервера

_		e config	=
	loa	d config	
	sa	ve as	
		exit	
	.a	3d files	

All information on this site is given exclusively in the educational purposes.

All programs are intended only for testing and revealing vulnerability on personal computers and corporate networks.





# WARNING

? - G Google

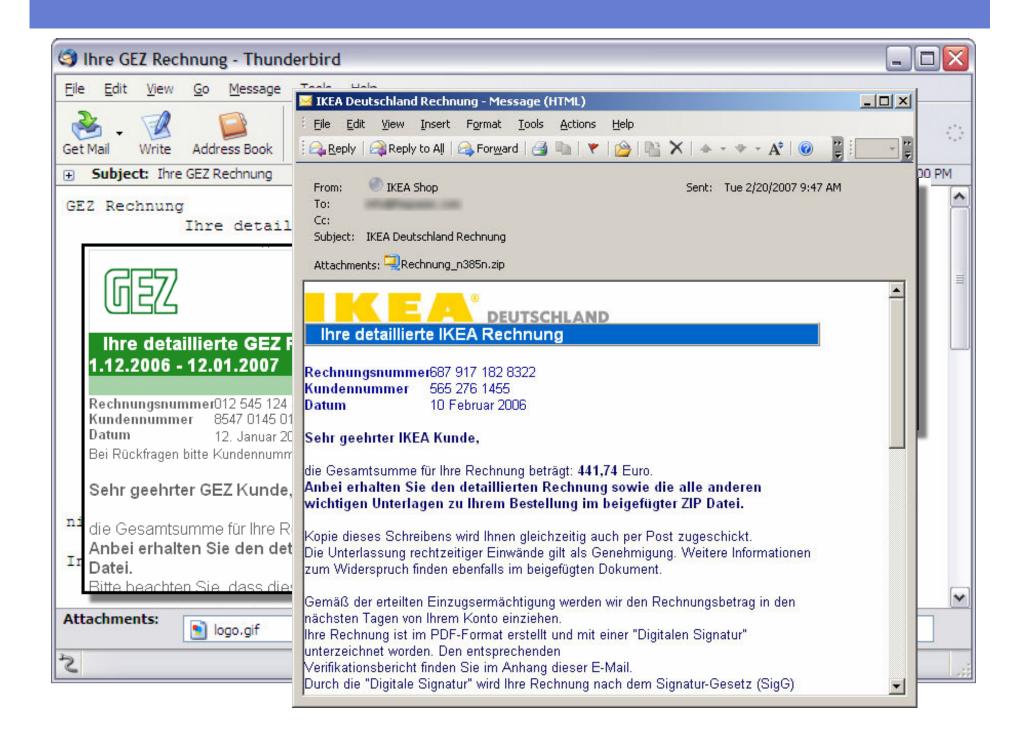
#### правила использования нашего софта

Предлагаемый софт должен использоваться исключительно в образовательных целях или для повышения собственной безопасности, использование данного софта во всех остальных случаях преследуется законом той страны в которой вы находитесь.

ЗАПРЕЩАЕТСЯ ИСПОЛЬЗОВАТЬ НАШ СОФТ В ПРОТИВОЗАКОННЫХ ЦЕЛЯХ

[Я согласен с правилами использования] [Я не согласен с правилами использования]

Ë∏T», 2006



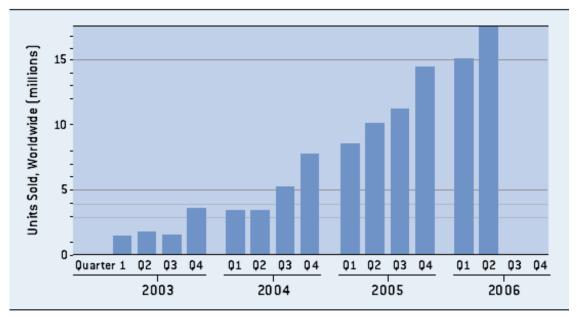


# Mobile threats



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# SMARTPHONES ON THE RISE



# **GROWTH IN MOBILE MALWARE**



## SPECIAL REPORT: MIRROR NEURONS AND THE MIND ALSO: SUPERCONDUCTOR EYES • DEAD ZONES • PHONE VIRUSES

SCIENTIFIC AMERICAN NOVEMBER 2006 WW.SCIAM.COM

The Dark Ages of the UNIVERSE BEFORE STARS

# MIRROR NEURONS AND AUTISM

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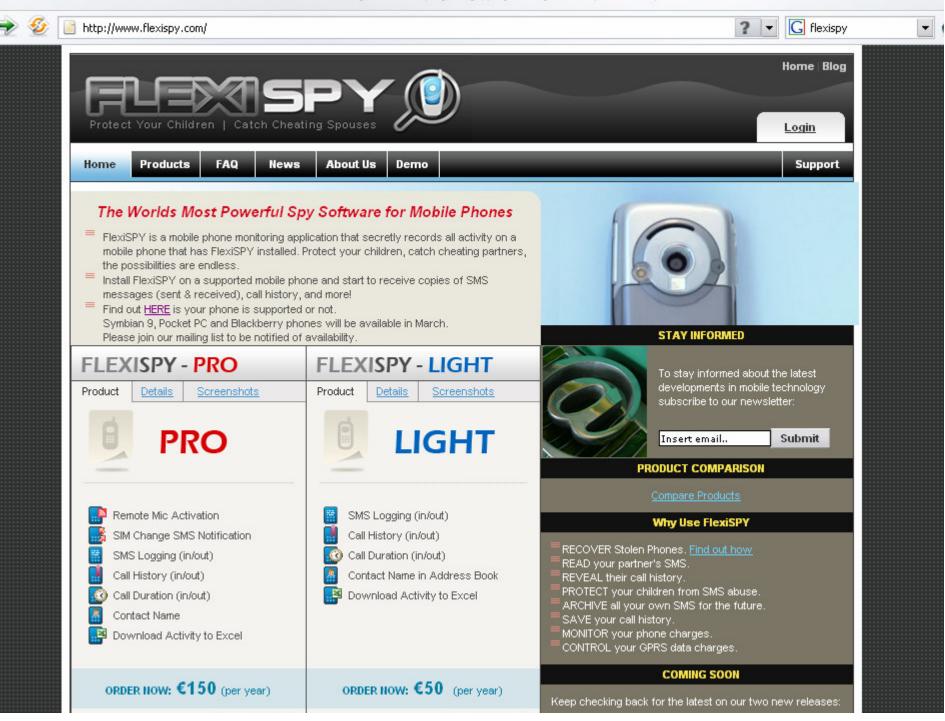
IC AMERICAN, I

A disorder of brain cells that link others' actions to our own may explain this puzzling condition

Constellations and Astroarchaeology

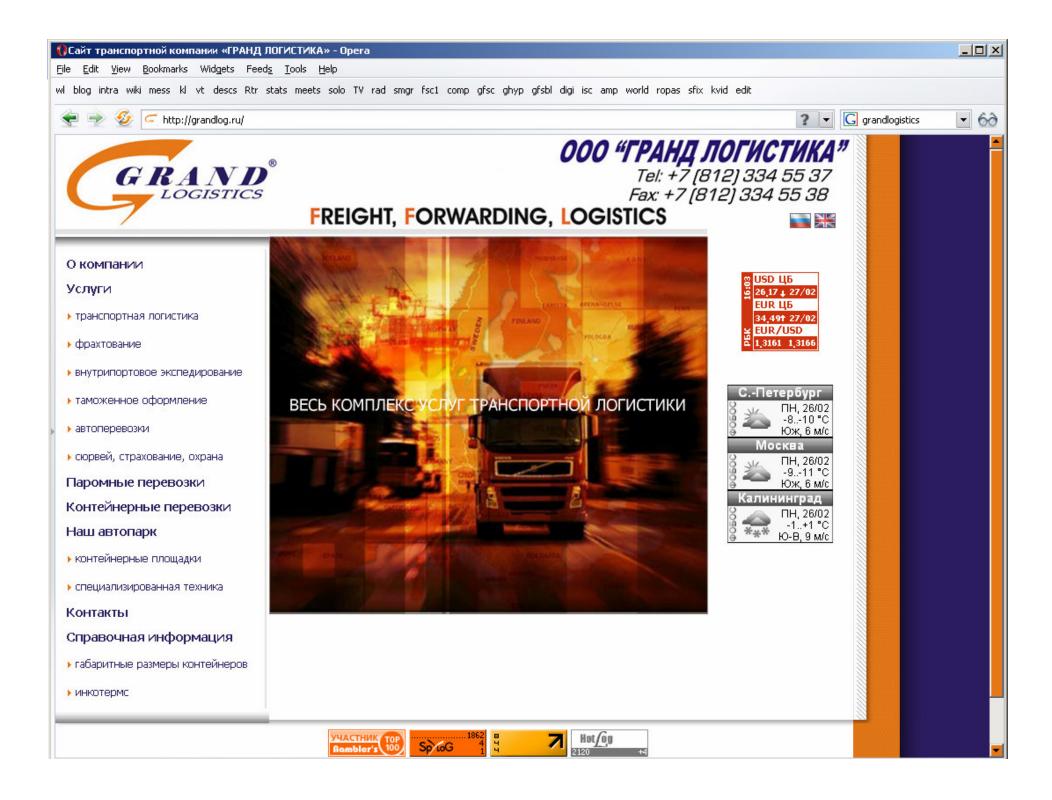
Stop Viruses That Hijack Smartphones

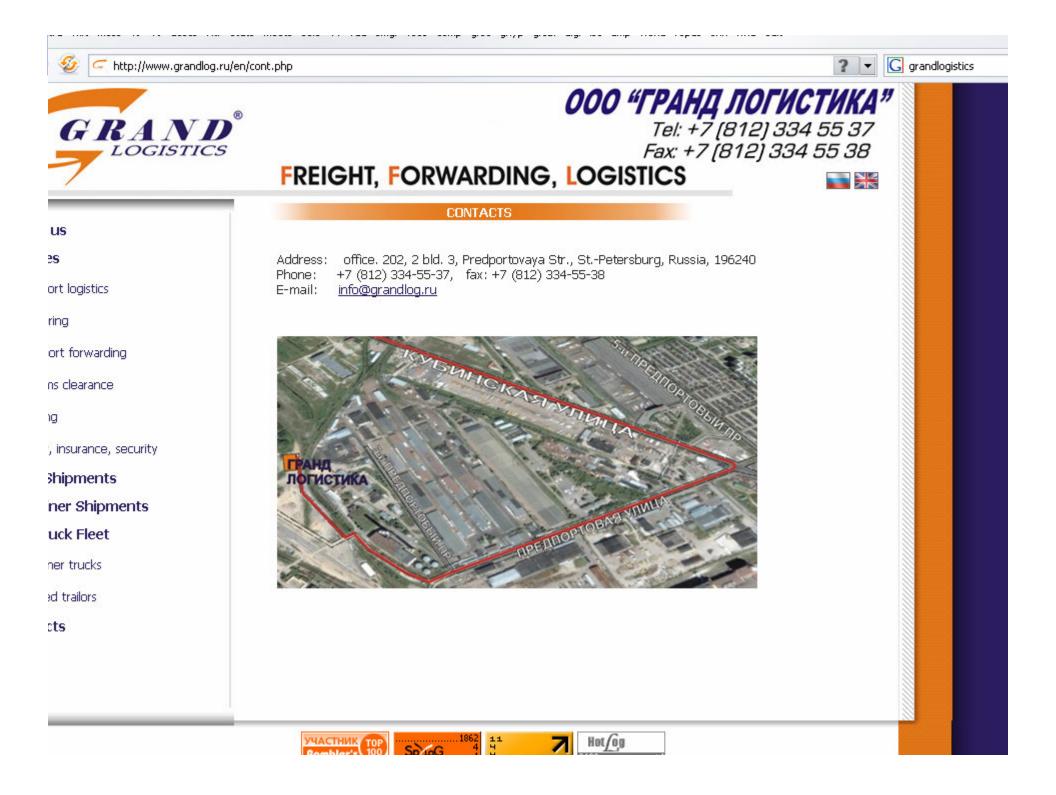
Bringing Seas Back from the Dead

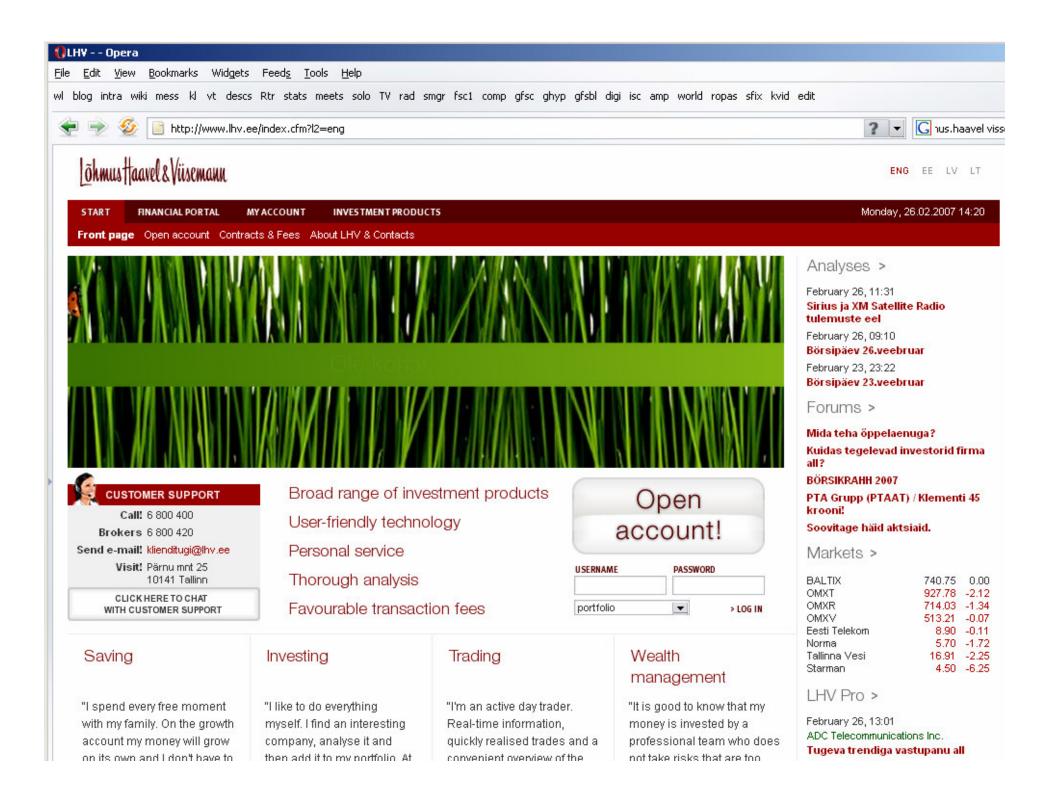


# Net Crime









AMY J. GREER KINGDON KASE TAMI S. STARK (TS-8321) Attorneys for Plaintiff SECURITIES AND EXCHANGE COMMISSION 701 Market Street Suite 2000 Philadelphia, PA 19106 Telephone: (215) 597-3100 Telefax: (215) 597-2740

#### UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK

Plaintiff,

v.

: Civil Action No. : 06-CV-15274

5

:

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GRAND LOGISTIC, S.A. and EVGENY GASHICHEV,

Defendants.

#### COMPLAINT

Plaintiff Securities and Exchange Commission (the "Commission") alleges as

follows:

#### SUMMARY

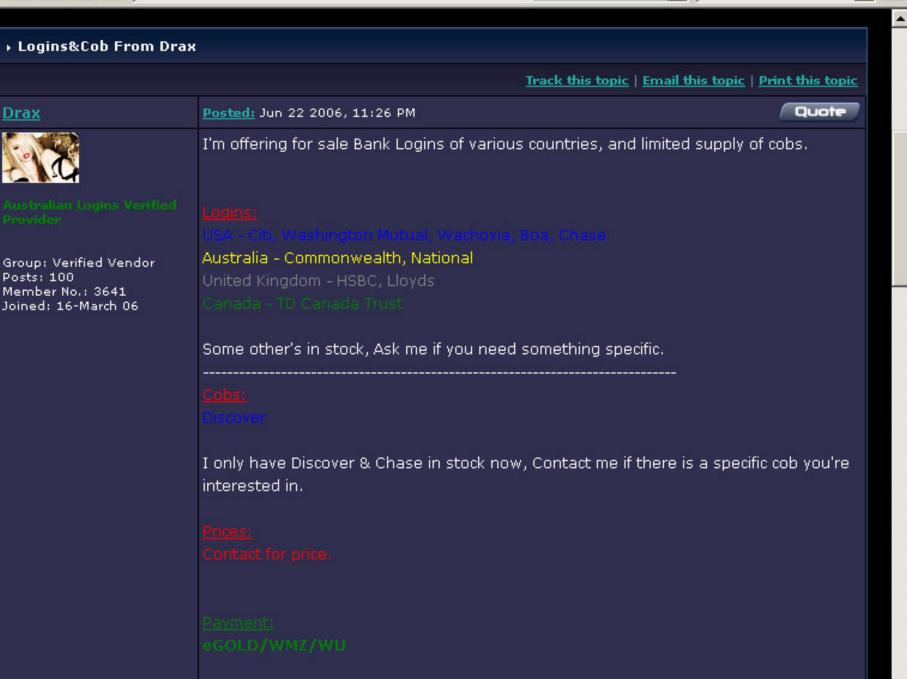
1. This matter involves an ongoing fraudulent scheme conducted by defendant Evgeny Gashichev, a citizen of Russia believed to be currently residing there, and his company, defendant Grand Logistic, S.A., a foreign entity incorporated in Belize and located in Estonia. The defendants are conducting a high-tech version of a "pump and dump" manipulation scheme, in which they artificially inflate the market price of securities, using

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bank accounts for sale		
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<u>tabbot</u>	Posted: Jan 27 2006, 12:29 AM	Quote
Verified for Bank Accounts Logins	any US bank accounts for sale Balance from 3k and above -40\$ Regular Brokerage accounts from 3k and above -	
Group: Verified Vendor Posts: 14 Member No.: 3407 Joined: 24-January 06	Lots of different brokerage accounts from 3k and above with signature - 100\$ In stock accounts from other countries: CA, AU, NZ, FR, TR etc. – price negotiable Also I can check for other countries that interest you, please drop links to my icq	
	bank accounts for sale icq 258-954-710 www.accs-info.com	
	PM Email ICQ	



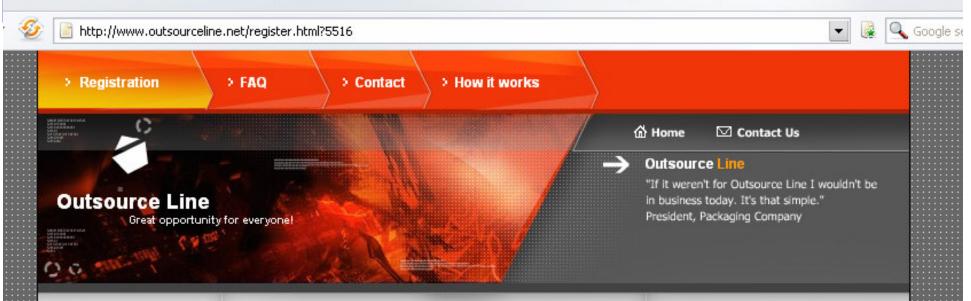
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→ working e-gold trojan	sale	
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win32.grams	Posted: Jan 24 2006, 10:26 AM	
Verified Vendor for E-Gold Trojans Group: Verified Vendor Posts: 23 Member No.: 3187 Joined: 13-November 05	<ul> <li>hi,</li> <li>i sell the win32.grams trojan, a trojan that steals money from victims e-gold account and send to one of your accounts.</li> <li>the price is \$1000 for the EXE or \$5000 for the SOURCE.</li> <li>i can provide a video demo at demand.</li> <li>for orders contact me on icq: 226-702-789</li> <li>for more info visit</li> <li>i would like to be reviewed for e-gold trojan</li> <li>for the review topic visit</li> </ul>	
	Review for win32.grams e-gold trojan	
2	F-SECURE <sup>®</sup>	

### meets mtv3 dscv cnn solo rad comp ptrk bdef dscs KL fsc1v wl vil sarc zonh digi clock blog



#### Registration:

## Company's News

#### » 05.12.04

Each day brings new customers! Today we got our happy 100-th customer!

» 21.10.04 Finally we have made new design. Enjoy.

» 12.10.04 We opened a new office in Spain.

Read more

#### > You guys are really the greatest!!!...

It works great this way! Thanks a lot for all the great support!!! Thank you for the shown interest about our proposal. At the moment we have a number of vacancies of GENERAL ASSISTANT in many countries and territories. We'd like to give you some information about what exactly our company doing and how would you help us. But just before that I'd like to tell you that for this job we are NOT going to ask you do ANY initial investments or send ANY kind of initial payments. And another thing to mention here that this is part-time home-based job that will require just about 5 or less hours weekly. So you can happily stay at your current position if you have any and just if you'll see a good potential to grow with us you can start work harder.

Basic methods of domestic payments we are receiving from our customers are: domestic wire transfers, cashier's checks, money orders and some others. For most of those methods it will take a long time and often significant additional charges to receive them outside the country where the payment was initiated.

Your responsibilities will include receiving these payments into your bank account and transfer them to us with the way we'll inform you. You will get 6-8% from total transferred amount as your wages.

This is fully home-based flexible hours part-time job with just minimal



» You have a company that cares about more than just the bottom line and that is rare to find in this day and age. Marc & Diane Injejikian

...thank you very much for all your support and for looking into this for me. Thats how support should be. Thanks Spencer Boydell-Butt TransWorldPay.com

VACANT JOBS

SERVICES

APPLICATION C

CONTACT US

TRANS WORLD PAY COMPANY

#### We have new partners

December 17 - the date we signed contract with Rietumu Bank, Riga, Latvia. Now we bacame Verified Partners of the bank, and are ready for new projects.



#### Financial Manager's news

New propositions for Financial Managers. Check out our Vacant jobs section. New conditions and offers

MORE

#### 1946

#### Italian and French citizens



We start cooperation with Terberg DTS company, the biggest Terberg machines spare parts supplier.

Also, we signed a contract with www.uk-merchant-account.co.uk and www.taxcafe.co.uk . Now we can offer services for these companies and new partners in Italy and France have more job offers and propositions

## ABOUT OUR VACANCIES

#### About our Vacant jobs

We are proud to offer several positions for USA and EU citizens. We do not require any special education or previous experience. We do not require much time devotion for our job. Our primary condition for new partners is trust, honest and activity. Please, look at our propositions:

#### EURO Financial Manager (European Union: France, Italy, etc.)

It's very important position for us. As we develop our cooperation with EU companies and new partners, and do not have our office there now, we need local representatives there. Position is very responsible. We have a list of tasks you may choose from. Being EU Financial Manager you will need to: -establish new bank accounts for our corporations (you will be 2nd owner of our companies) -establish merchant accounts for our corporations (and perform cashier's functions) -receive and redirect wire transfers and cheques (you will be receiving funds directly from our customers) -communication and customer service for our local UK partners and customers. Salary for EU Financial Manager depends on activity and is commission based. Average it's €2,200-3,700 Schedule is individual too. From 1 to 10 hours per week

#### US Financial Manager

This position is very important too, as we have new customers every week in USA. Conditions are basically the same as for EU Financial Manager. US Financial Manager will need to: -establish corporations and corporate accounts for us (in both positions, all fees are paid by us) -establish merchant accounts for our corporations -wire transfer, cheque, money order receiving and redirecting -bank and other financial correspondence receiving and redirecting -communication and customer service for our local US partners and customers. Salary for US Financial Manager depends on activity and is commission based. Average it's \$2,700-4,000 Schedule is individual too. From 1 to 10 hours per week

For applying and receiving more information - please, fill online application form at our website.



Mikko Hypponen Chief Research Officer F-Secure Corporation

www.f-secure.com www.hypponen.com



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