

Cybercrime Exposures in a new Digital Society

4th ICTET week ADDIS ABABA - June, 2011

To show variety of cyber-risks, knowing that once aware of them you can mitigate impact using tools and re-organized work



Pascal LOINTIER President of Clusif

pascal.lointier@clusif.asso.fr



CLUSIF: Committed to information security

Non-profit association (created in the early 1980s)

> 600 members (50% suppliers and goods and/or service providers, 50% CISO, CIO, managers)

Sharing information

Exchanges among officially recognized experts, collective know-how, document database

Develop its positioning

Feedback, increased visibility, Directory of Offering Members

Anticipate trends

The "network", inform offering members of expectations

ADHÉRENT CLUSIF 2011

Logo for site web, flyers, commercial ads...

Join...

Promote IS security



Working group dynamics

Free documentation Translations (in English, German...)Public stands taken on issues and consultation responsesForums for ongoing exchange: MEHARI, threats, CISO

Les groupes actifs en 2011

- Documentation de MEHARI™
- EFIS (Evaluation Financière des Incidents de Sécurité)
- Fiches de sécurité pour la micro-informatique
- Gestion de dés cryptographiques
- Gestion des incidents
- Glossaire
- Guide d'audit de sécurité physique
- PA-DSS
- Panorama de la cybercriminalité
- PCI-DSS
- Principes, mécanismes et bases de connaissances de Méhari
- Sécurité des Applications Web Suite
- Sécurité des Outils de Communication
- Série 27000
- Virtualisation et Sécurité



CLUSIF > Conference > 4th ICTET

FRANCAIS

L'INFORMATION

ш

 \square

SECURITE

P

ш

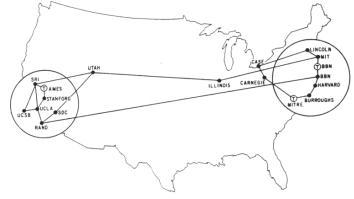
CLUB

CLUSIF

Two legacies... a third new issue

Internet is a cold war solution for military communications

- Mail authentication
- Website authentication



MAP 4 September 1971

... nowadays, digital profile and/or avatar

An identity which is plural, fragmented, for fun, timeless

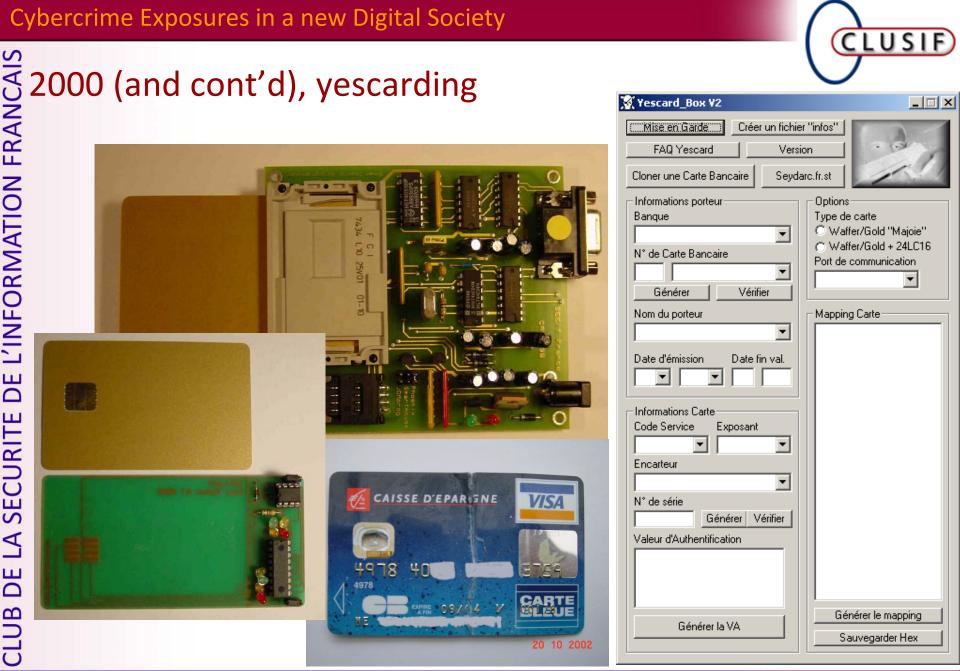
acebook	Home	Profile	Friend	s Inbox	j.
carla bruni				c	L Search
All Results	People	Pages	Groups	Events	Applications
Fill Massains					



Agenda:

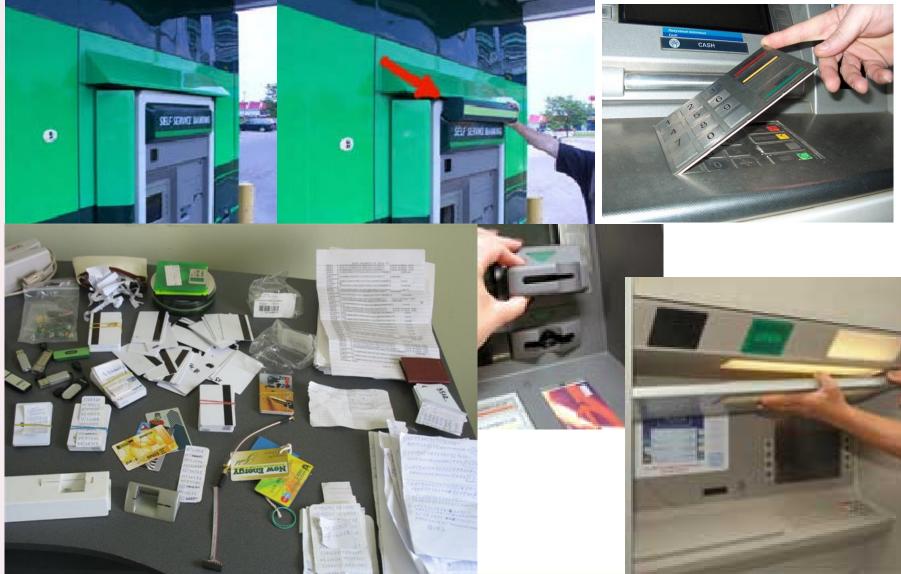
Based on Cybercrime Overviews (including webography) To put into perspective

- Odus Operandi: professionalized, commercialized, sophisticated
 - From skimming to compromised ATM networks
 - Viruses to make profit
 - Marketing of malware
- Actors: Cyberterrorism (?), Infowar, Hacktivism
- Exposures:
 - Infrastructures, from SCADA to Data centers globalization
 - Facility Management over IP
 - Social Networks, from Usenet to a 5th Power ?



CLUSIF > Conference > 4th ICTET

Skimming and criminal organizations



CLUSIF > Conference > 4th ICTET

DE L'INFORMATION FRANCAIS

LA SECURITE

CLUB DE

CLUSIF

Massive theft of bank card numbers: **DE L'INFORMATION FRANCAIS RBS Worldpay scam**

RBS Worldpay: U.S. subsidiary of Royal Bank of Scotland

9 million dollars in fraudulent withdrawals (end 2008):

- With cloned cards
- In a short space of time
- From 2,100 cash machines
- In 280 cities, 8 countries (U.S., Russia, Ukraine, Estonia, Italy, Hong Kong, Japan and Canada) 🔊

Highly-organized network of mules

CLUB DE LA SECURITE





Cash machines in Eastern Europe compromised

In March 2009, Sophos identifies first malware specifically designed for cash machine

In May 2009, security experts at Trustwave confirm the discovery

This malware was designed for a specific brand and model of ATM

Inspections were carried out to repair infected machines: Eastern Europe (Russia, Ukraine) mainly affected

Patch developed by the industry



Virus to make profit: Bugbear virus in 2003

W32/BUGBEAR.B@MM

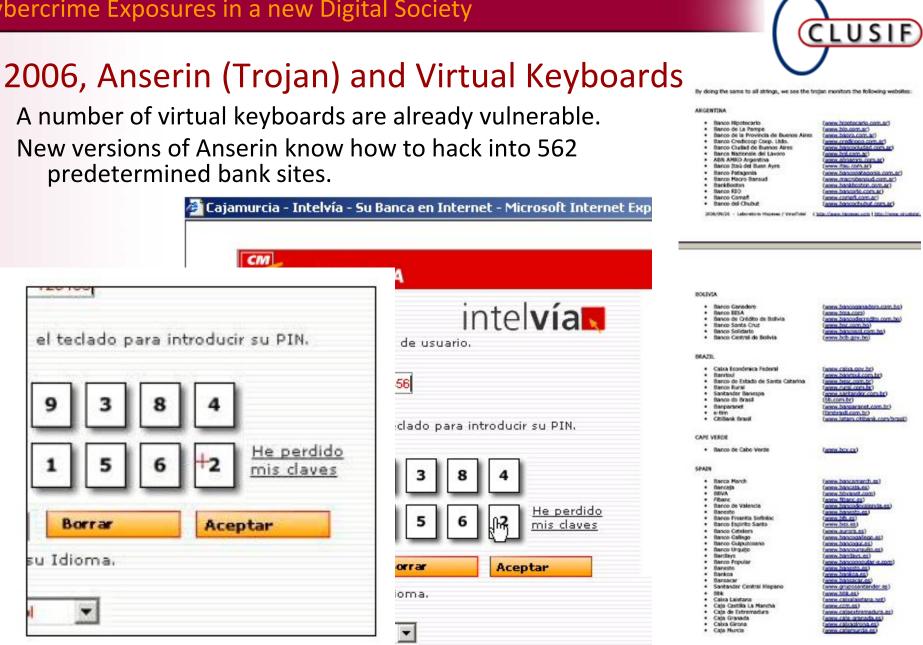
The virus contains an EXTENSIVE list of banking domain names (France, Britain, Germany, Australia, Italy, Greece, Denmark, New Zealand, Spain, Brazil, Romania, Poland, Argentina, Switzerland, Finland, Taiwan, Turkey, Iceland, Slovakia, South Korea, United States, South Africa, The Baltic Republics, Austria, Hungary, Norway, the Czech Republic). When the machine boots up, if it belongs to one of the target domains, the registry key responsible for the automatic telephone dialing process is deactivated.

The virus looks for passwords in the cache memory and sends them to a pre-defined address chosen at random from a list.

Once the task has been completed, the virus restores the registry key.

banquepopulaire.fr bics.fr bpic.fr bpnord.fr bred.fr ca-alpesprovence.fr ca-alsace-vosges.fr ca-midi.fr ca-normand.fr ccbonline.com ccf.fr cin.fr covefi.fr cpr.fr credit-agricole.fr credit-du-nord.fr creditlyonnais.fr creditmutuel.fr -epargne.fr eurocardmastercard.tm.fr nxbp.fr smc.fr transat.tm.fr

Cybercrime Exposures in a new Digital Society



CLUB CLUSIF > Conference > 4th ICTET

FRANCAIS

L'INFORMATION

ш

SECURITE

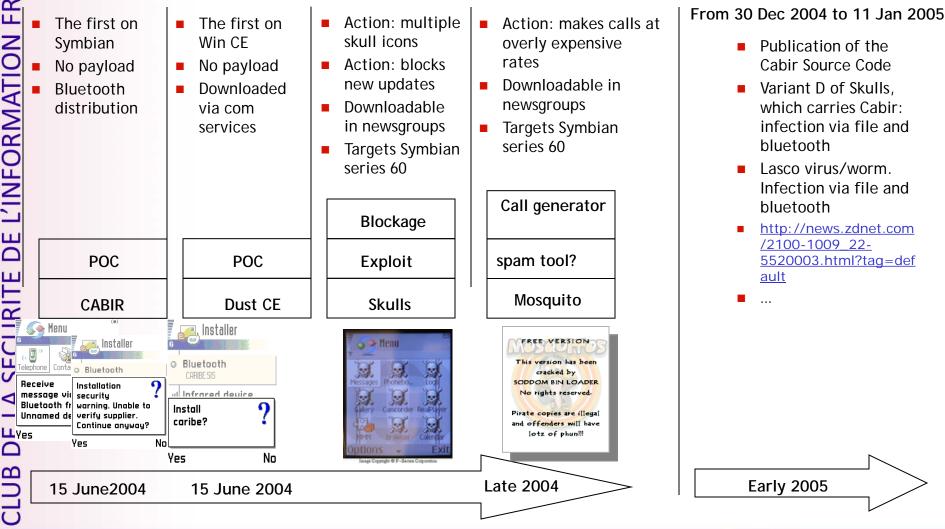
Z

ш



2005, Cell phone virus evolution

L'INFORMATION FRANCAIS ш IRITE L U



CLUSIF > Conference > 4th ICTET

Cybercrime Exposures in a new Digital Society

Install

Yes

Messages.

5aller V

From PoC to real money Installer Bluetooth NOKIA CommWarrior? nstaller No Images Menu

Newbasesforantivir...

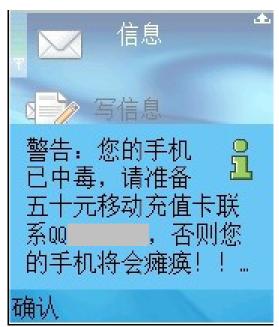
Fix's for all antivirus. Also antivirus for gavno.d. Need to install to drive with antivirus

0K

05/2007, \$M\$ Trojan : Viver, high rate calls (1 to \$10) 01/2008: Kiazha 01/2009: Yxe.A in China, Indonesia

CLUSIF

Kiazha-A, worm



CLUSIF > Conference > 4th ICTET

Phonebo...

Camcorder

RealPlayer

Calendar



2003, new hi-tech opportunities for espionage

The hard disks of photocopiers

December 2003 : a Norwegian company specializing in data retrieval published a report which underscored the vulnerability of information stored on copiers and multifunctional machines. The affair began when a dishonest employee retrieved information from a digital copier and passed it on to a competing company. Copiers are increasingly vulnerable. Even so, different solutions are available : removable disks, deletion of data (not overwrite) after photocopying or digitization, use of proprietary algorithms (but not necessarily encryption...) etc.



- The importance of Trojan horses Michaël and Ruth Haephrati
 Discovered in 2005, the swindle lasted more more than a year.
 Each target was the subject of an attack through a single Trojan horse created for this reason.
 The antivirus was ineffective (at the time of the facts) because the program did not circulate on the web.
 The Trojan horse was sent by e-mail or was integrated into CD containing an imaginary commercial proposal .

18 Arrested In Israeli Probe Of Computer Espionage

By Glenn Frankel Washington Post Foreign Service Tuesday, May 31, 2005; Page E01

JERUSALEM, May 30 -- Israel's business sector has been rocked by a major computer espionage scandal that was uncovered when a husband-and-wife book-writing team complained to police that someone had hacked into their computer system and stolen files.

Police said investigators traced the alleged theft to the wife's former son-in-law, a computer programmer, and determined that he had also sold copies of so-called Trojan horse software to private detectives, who used it to spy for corporate clients on competing firms.

Last week, police arrested 16 people in Israel, including senior executives of some of the country's leading high-tech companies and the private investigators they had allegedly employed. At the same time, British authorities, acting on an Israeli request, arrested the former son-in-law and his wife in London and are holding them



Michael Haephrati, 41, and his wife, Ruth Brier-Haephrati, 28, shown in an undated photo, were arrested in London. (Haaretz Daily

Once installed, and in exchange for 3000€, the originator provided to his customer an IP address, the user name and a password so that they could access the PC of the victim.

Cybercrime Exposures in a new Digital Society

FRANC	Physical Keylogg Commercially avail		BBCNEWS • UK version • International version About the versions Low gr. Last Updated: Thursday, 17 March, 2005, 13:39 GMT Image: E-mail this to a friend Image: E-mail this to a friend	CLUSIF features • Quick install
DE L'INFORMAIION	External KeyGhost Models (PS/2 External Plug-in C	Cable Type)	The plan was to steal £220m (\$423m) from the London offices of the Japanese bank Sumitomo Mitsui. Computer experts are believed to have tried to transfer the money electronically after hacking into the bank's systems.	
Ц Ц	External KeyGhost Home Edition (128,000 Keystroke Capacity)	\$89	A man has been arrested by police in Israel after the plot was uncovered by the National Hi-Tech Crime Unit.	BEFORE
	External KeyGhost Std (600,000+ Keystroke Capacity)	\$99	Unit members worked closely with Israeli police.	1000 Mar 100
=	External KeyGhost Pro (1,000,000+ Keystroke Capacity)	\$149		
SECURITE	External KeyGhost Pro SE (2,000,000+ Keystroke Capacity) KeyGhost USB Keylogger External Units - (USB Plu	\$199 g-in Cable Type)	The investigation was started last October after it was discovered that computer hackers had gained access to Sumitomo Mitsui bank's computer system in London.	
DE LA	NEW! KeyGhost USB Keylogger 128KB - 30cm (short cable) (World's first USB keylogger. Compatible with both Mac	\$199		
CLUB I	and PC systems. 128,000+ Keystroke Capacity) NEW! KeyGhost USB Keylogger 128KB - 120cm (long cable) (World's first USB keylogger. Compatible with both Mac and PC systems. 128,000+ Keystroke Capacity)	\$199		AFTER

CLUSIF > Conference > 4th ICTET

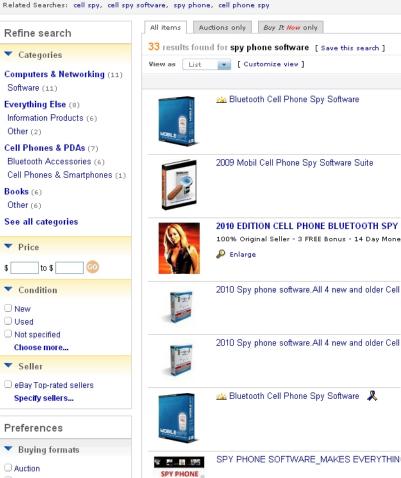
Cybercrime Exposures in a new Digital Society



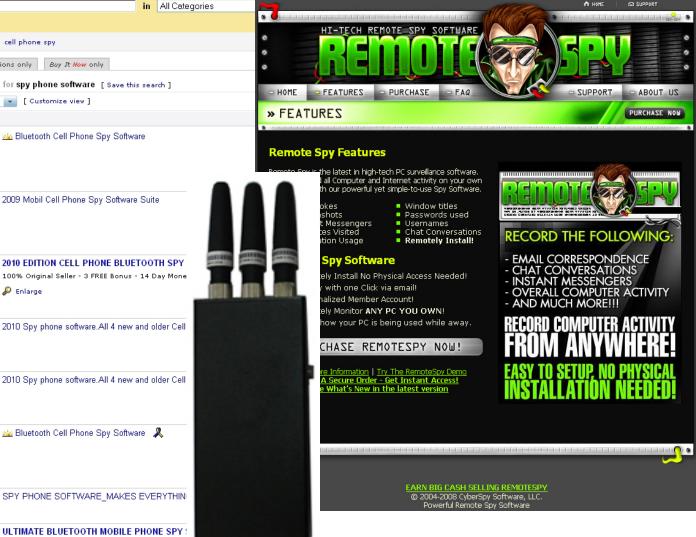
FRANCAIS Spyphones, GSM jammers... Find spy phone software Include title and description L'INFORMATION Refine search Categories Computers & Networking (11) Software (11) Everything Else (8) Information Products (6) Other (2) Cell Phones & PDAs (7) Bluetooth Accessories (6) Cell Phones & Smartphones (1) Books (6) Other (6) See all categories ш \square Price to \$ ш \$ CURIT Condition New Used Not specified Choose more.. ш Seller S eBay Top-rated sellers P Specify sellers... ш Preferences Buying formats 2 Auction Buy It Now.



()



NOW ONLY INSTALLATION INSTRUCTIONS INCLUDE!



CLUSIF > Conference > 4th ICTET

DE L'INFORMATION FRANCAIS 2004, Robots... available to all.. Need to speak English!

louveau Ouvrir Fa	voris Ajouter Extra	ire Voir Contr	📸 💙 'ôle Assist	tant		
om	Туре	Modifié	Taille	Taux	Compr	Chemin
make spybot.bat	MS-DOS Batch File	5/3/2003 12:26 PM	349	38%	216	
make with versioninfo.bat	MS-DOS Batch File	5/3/2003 12:26 PM	388	41%	229	
psexec.h	H Fichier	6/23/2003 5:52 PM	216,735	73%	57,650	
readme.txt	Document Lisezmoi	6/24/2003 4:28 PM	3,234	59%	1,315	
recource.rc	RC Fichier	6/7/2003 6:04 PM	699	46%	377	
settings.h	H Fichier	6/24/2003 4:34 PM	23,127	65%	7,990	
spybot.c	C Fichier	6/24/2003 4:32 PM	87,160	73%	23,721	
spybot.mrc	MRC Fichier	6/24/2003 4:16 PM	3,324	79%	690	
encryptedsettings.ini	Configuration Settings	6/24/2003 4:36 PM	1,736	54%	798	
icon.ico	Icon	4/5/2003 9:38 PM	2,238	25%	1,676	

LA SECURITE

CLUB DE

CLUSIF

Cybercrime Exposures in a new Digital Society

Attacked hosts (total - unig)

BY - Belarus

KZ - Kazakstan

US - United states

AZ - Azerbaijan

MD - Moldova republic of

IE XP ALL

QuickTime

Win2000

Firefo

Opera

MSI

Oper



L'INFORMATION FRANCAIS DE SECURITE P DE CLUB

2007, MPack, updated versions

114721 - 96104

2175 - 2048

7033 - 6260

MPack v0.90 stats

159073 - 129089

44804 - 35574

17408 - 15968

Traffic (total - unig)

Commercialized tool for distributed Denial of Service attacks (dDoS)

	1000 0200		11100 10300		
x	12885 - 12514	Loader's response	38.85% - 44.89%		
7 1271 - 1264		Efficiency 10.	Efficiency 10.94% - 12.37%		
Browser s	tats (total)	Modul	es state		
	4	Statistic type	MySQL-based		
	0%	User blocking	ON		
a	1 0%	Country blocking	OFF		
Country Country RU - Russian federation UA - Ukraine		Traf IRC Servers:			
		1127 Command and Control Masters			
		70.94 1666 10.54			
IT - Italy		704: 4.4%	#mybotnet password		
🛁 GE - Georgia		577:			

Bot

Bot

Bot

Bot

Victim

DDoS Attack

Bot

541

3.49

1.9%

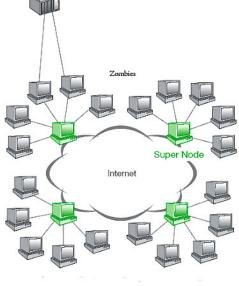
111

0.7%

0.7% 683 **Total traff**

Exploited

Loads count

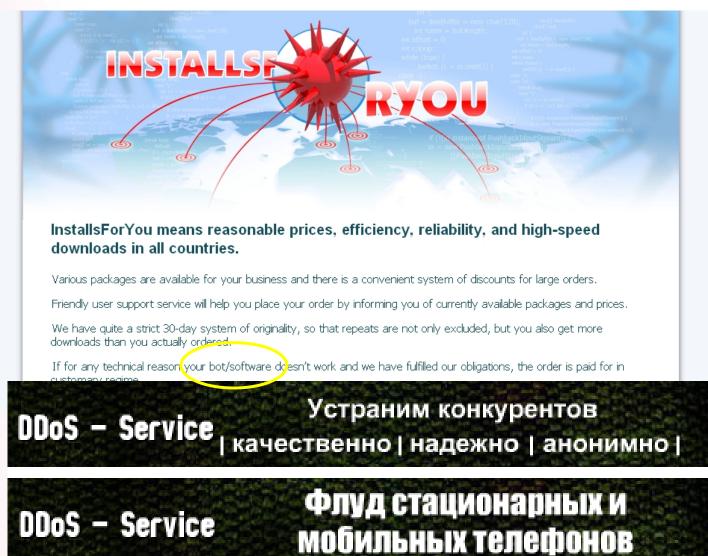


CLUSIF > Conference > 4th ICTET

Bot



Commercial banners



Agenda:

CLUSIF

Based on Cybercrime Overviews (<u>including webography</u>) To put into perspective

Operandi: professionalized, commercialized, sophisticated

From skimming to compromised ATM networks

Viruses to make profit

Marketing of malware

Actors: Cyberterrorism (?), Infowar, Hacktivism

Exposures:

Infrastructures, from SCADA to Data centers globalization

Facility Management over IP

Social Networks, from Usenet to a 5th Power ?

2004, Cyber-terrorism - a recurrent term **DE L'INFORMATION FRANCAIS** for nearly 10 years

United States- the FBI: "The unlawful use of force against persons or property to intimidate or coerce a government, the civilian population or any segment thereof, in the furtherance of political or social objectives..."

The French Penal Code -Art. 321-1 "the following offenses constitute an act of terrorism when they are intentionally carried out either individually or collectively with the sole aim of causing a serious breach of the peace through intimidation or terror... »

A variety of definitions with specific consequences

Within the same state, depending on the services

Qualifying an act with the term allows for others to be disqualified... or certain police or military actions

A terrorist today may tomorrow be re-labeled a freedom fighter or liberator... or re-qualified as anonymous special forces units

SECURITE

P

DE

CLUB





CLUSIF

Terrorism - characterizations

Terrorism can differ:

Depending on the area in question: political (separatism, liberation), social (or ethnic), cultural, religious (fundamentalism, apocalyptic)...

Depending on the goal: influence, a claim, repression, conversion, extermination, nihilism...

Empirical criteria

L'INFORMATION FRANCAIS

DE

LA SECURITE

CLUB DE

Sudden, unexpected, a surprise

Violence against an 'unarmed' target to terrorize...

The personal involvement of the public (potential victim)

Fear of a repeat attack

Media demands (and the implication that the State can no longer maintain public order).



Internet and ITC – how they are used

1/ A means of linking up (A means of linking up (A means of linking up (

Electronic mail, newsgroups Usenet, cell phones, PDA, multimedia data processing and storage

2/ A means of propaganda (websites and newsgroups) (☑ happened already)

Information and support,

media relay (with increasing use of multimedia)

A weapon to discredit

A weapon to incite hatred

Anti-sites, black propaganda.



Internet and ITC – how they are used

- 3/ A means of financing (☑ already happened)
 - To raise funds
 - To exploit IT systems (credit cards, blackmailextortion), money laundering etc.)
 - ? To engage in phishing
 - ? To access confidential personal data
 - "Police Arrest Hacker Apparently Linked to Sardinian Anarchist Attacks",
 - Corriere della Sierra, 07/01/2005



Internet and ITC – how they are used

- 4/ Means of direct action. What opportunities?
 - Dependence on digital information
 - Accidental events leading to financial, material and bodily damage
 - Shutdown of electricity-generating turbines during Y2K tests
 - Operational safety of general telecom infrastructure or ticket reservation systems
 - Unavailability of the service authorizing banking transactions
 - Loss of control of the regulating systems for a section of the gas pipeline network in Russia
 - Homicide of an individual whose life support system was computer assisted

Death in a recovery ward following a power outage

●[™]....



2007: "Cyberwar" in Estonia or "cyber-riot"?

Internet attacks from late April to mid-May after a monument commemorating Russian soldiers (WWII) was moved.

Street demonstrations

Defacement of Web sites, DoS (denial of service) attacks against Estonian government sites and infrastructures Government program for the development of new technologies (Estonian Information Society Strategy 2013)

Profusion of neologisms in the press and in blogs: cyberwar, world war web, etc.

Russia is accused...



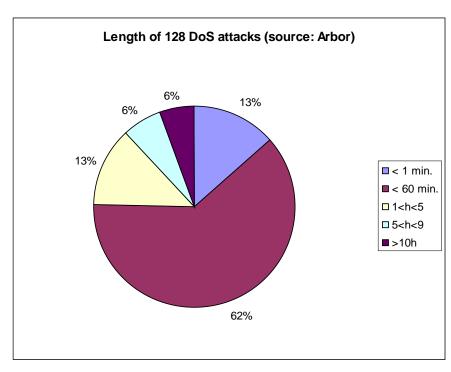
2007: "Cyberwar" in Estonia or "cyber-riot"?

Mode of operation: Several waves of varying length and intensity

- As long as 10 heures
- An initial "emotional" reaction (April 27-29)

"Traditional" DoS attacks (ICMP and TCP-SYN flooding)

More sophisticated use of botnets during the second wave, (-> May 18) Geographical delocalization (outside Russia)



Cyber-demonstration (violent), yes ; militarized attack (cyberwar)...Nothing established but causes a <u>problem for the State for managing the rapid</u>, <u>"spontaneous" emergence of action groups on the Web</u>, sometimes even linkedsynchronized with street demonstrations. The stakes remain the sabotage of infrastructures, national and international opinions of the events....

Some comments

Beyond "hypes"

DE L'INFORMATION FRANCAIS

SECURITE

Z

DE

CLUB

Electronic Pearl Harbor et Manhattan Cyber Project (# 1995)

Cyberjihad (NCIS ?, 2006)

Cybergeddon (FBI & DHS, 2009)



... Political violence, hacktivism is using tools more pro-actively From G8 men to Carbon Market...



Emissions Trading: Attention about phishing email!

Dear Madam or Sir,

if you received e-mails containing the request to visit a homepage via a link and to enter your user data of the registry, we ask you to not further take notice of it. Neither the German Emissions Trading Authority (DEHSt) at the Federal Environment Agency nor the European Commission are sender of these messages. It is a so-called "phishing-attack". The made-up word "phishing" refers to the words "password" and "fishing" and can be translated as "password fishing".

Agenda:

CLUSIF Based on Cybercrime Overviews (including webography)

- To put into perspective
 - Output Modus Operandi: professionalized, commercialized, sophisticated
 - From skimming to compromised ATM networks
 - Viruses to make profit
 - Marketing of malware
 - Actors: Cyberterrorism (?), Infowar, Hacktivism
 - Exposures:
 - Infrastructures, from SCADA to Data centers globalization
 - Facility Management over IP
 - Social Networks, from Usenet to a 5th Power ?

2008, BGP and YouTube

Pakistan Telecom incident and YouTube null route

- February 24 2008: Error causes access to YouTube to be cut off worldwide
- More specific null route spread on Internet

PCCW cuts Pakistan Telecom's access after the error is detected...

Accidental in this case, but potential for fraud



Internet is not virtual...

The internet's undersea world

CAIS

RA

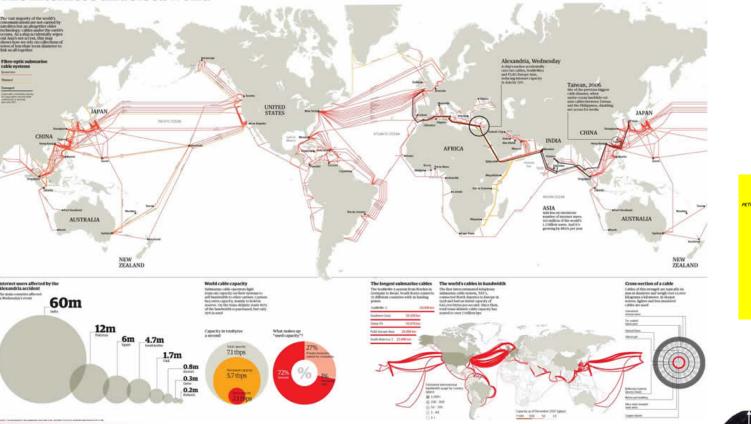
DE L'INFORMATIC

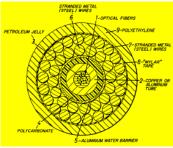
SECURITI

P

DE

CLUB





December 22nd, 2008 : 3 cables cut between Sicilia and Tunisia, unknown cause. Voice traffic disruption - Maldives : 100 %, India : 82 %, Qatar : 73 %, Djibouti : 71 %S, UAE : 68 %, - Zambia : 62 %, Saoudia : 55 %, etc.





Cloud computing, virtualization: At times, highly...unavailable!

Somewhere out there (cloud ^(C)) in 2009 – problems for prestigious companies: Air New Zealand, Amazon, (including EC2), Barclay's, eBay (Paypal), Google (Gmail and others), Microsoft, Overblog, Rackspace, RIM, Twitter...

- Power failures (UPS) and system crashes during reboots
- Electrical fire, destroyed backup and UPS generators, electrical switches, etc.
- Bugs in patches
- Poor router settings between two data centers
- dDoS attack on DNS resources in a specific data center

Cybercrime Exposures in a new Digital Society

CLUSIF

Accidental events and malevolent acts (via I.S.) 2003: Slammer worm and Nuke site (Ohio)

2003: Nachi worm and Diebold ATM network

2003: SoBig virus and railways signaling (Florida)

2005: Zotob worm, downtime for 13 facilities for vehicule assembly line (USA)

2007: Error of command and accidental contamination (hydroxide de sodium for Ph) for drinkable water, dozens of victims, light injuries (Michigan)

Sabotage (via I.S.) 2007: Logic bomb injected by employee into a supervisory system for water irrigation of a dam (California)

2007: Taking control and disrupting synchronization of traffic lights (California)

2007 (and 2000 in Australia): Logic sabotage via System Administrator of a water supply system (California)

2007: Experimental sabotage of an electric generator (Idaho-DHS for CNN)

2008: Taking control et 4 wagons derailed, many injured victims (Poland)

CLUSIF)

Cybercrime Exposures in a new Digital Society





DEPT. OF HOMELAND SECURITY

Eletcric generator destruction « simulation », based on a security hole which has been patched since http://www.cnn.com/2007/US/09/26/power.at.risk/inde x.html



Poland (Lodz), 4 wagons derailed by a kid



IP Migration

L'INFORMATION FRANCAI

DE

SECURITE

P

DE

CLUB

After telephones, other types of general infrastructure are migrating to IP networks:

Full migration (including transport or terminal equipment) or partial

(supervision, ordering, reporting...)

Surveillance and access (doors, badge readers, cameras, motion sensors, fire/moisture detectors...)

Air conditioning, heating, furnishings (blinds)

Energy (inverters, generators...)

SCADA systems (coordination, industrial processes...)

DCPs & RTUs with Alarms & Warning Systems SatLink2 Transmitter/Logger



4 Analog Input, 10 SDI-12 Sensor Interfaces

Pocket PC & Internet Communications

Display, Enclosure, XLite & many more options

👢 More »

SatLink2 - 40 Watts For Buoy Applications



- Ideal for Buoy Applications
- Pocket PC Communications
- 4 Analog & 10 SDI-12 Interfaces

More »

Xlite Datalogger 9210-XXXX Compact Version Of Xpert



- 🔳 486 @ 66 MHz processor, 32 bit
- Expandable
- Scaleable
- 4 MB Standard Log Expandable to over 1 Gigabyte

More »

Xpert Datalogger/Controller, 8080-XXXX



- Windows CE Operating System, a 486 Processor, C++ Programming & an INCREDIBLE NUMBER OF INPUTS
- Digtal I/Os Unlimited
- Analog Inputs Unlimited
- 4 MB Standard Log Expandable to over 1 Gigabyte



2009, SWATTING for Money

Hammond (Indiana, USA), 2009 July : beginning of trial for young hackers who were selling online video access (partyvanpranks.com) to swat action. At first, they took remote control of video surveillance



Google Search: camera linksys inurl:main.cgi Another webcam, Linksys style.

- * inurl:"ViewerFrame?Mode=
- * intitle:Axis 2400 video server
- * intitle:"Live View / AXIS" | inurl:view/view.shtml^

- * inurl:ViewerFrame?Mode=
- * inurl:ViewerFrame?Mode=Refresh
- * inurl:axis-cgi/jpg
- * ..



Cybercrime Exposures in a new Digital Society



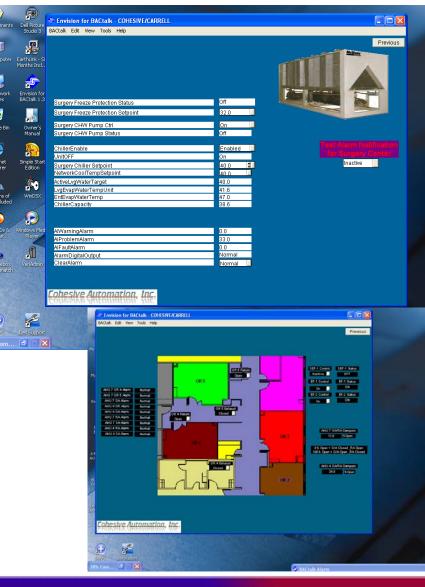
L'INFORMATION FRANCAIS 6. ш CURITE SE P ш

CLUB

2009, Hacking HVAC in Hospital

FACTS IN SUPPORT OF AFFIDAVIT

6. On 6/24/2009, The Dallas Division of the FBI was contacted by Special Agent Charles Provine of the FBI in the Jackson Division of the FBI regarding a computer intrusion of a Heating Ventilation and Air Condition (HVAC) computer system at a Dallas, TX hospital, the Carrell Clinic located at 9301 North Central Expressway, Dallas, Texas. This was believed to present a risk to health and safety as the Hospital was a facility that kept patients around the clock who could be adversely affected by the cooling if it were turned off during Texas summer weather conditions and the hospital also maintained drugs which could be adversely affected by the lack of proper cooling if the intruder were to disturb the HVAC system. SA Provine stated that he was in contact with Lieutenant (LT) Lannie Hilbolt, Texas Attorney General's office and CW-1, a network Page 4 of 18



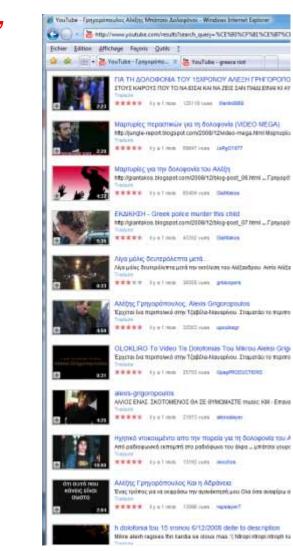
Cybercrime Exposures in a new Digital Society

2008, Social networking– Social risks – Greece From inciting violence to 'webolution'

After violence erupted in French suburbs in November 2005, bloggers were questioned over "the use of Internet to incite intentional and dangerous damage".



Similar events recently occurred in Greece (December 2008), but here, Internet appears to have served as an information tool for broadcasting amateur videos criticizing the Greek government's official announcements.



(CLUSIF)

State of the second state of the

CLUSIF

Motivated and opportunistic criminals

Malware, Vulnerabilities, Spam, Phishing

Worms, Viruses, Trojans, Rogue Widgets

Cross-Site scripting (XSS) attacks, GIFAR files (GIF + JAR)

Information theft, Espionage

Data concatenation

Attacks on the reputation of businesses and individuals

Manipulation,

Stalking,

LA SECURITE

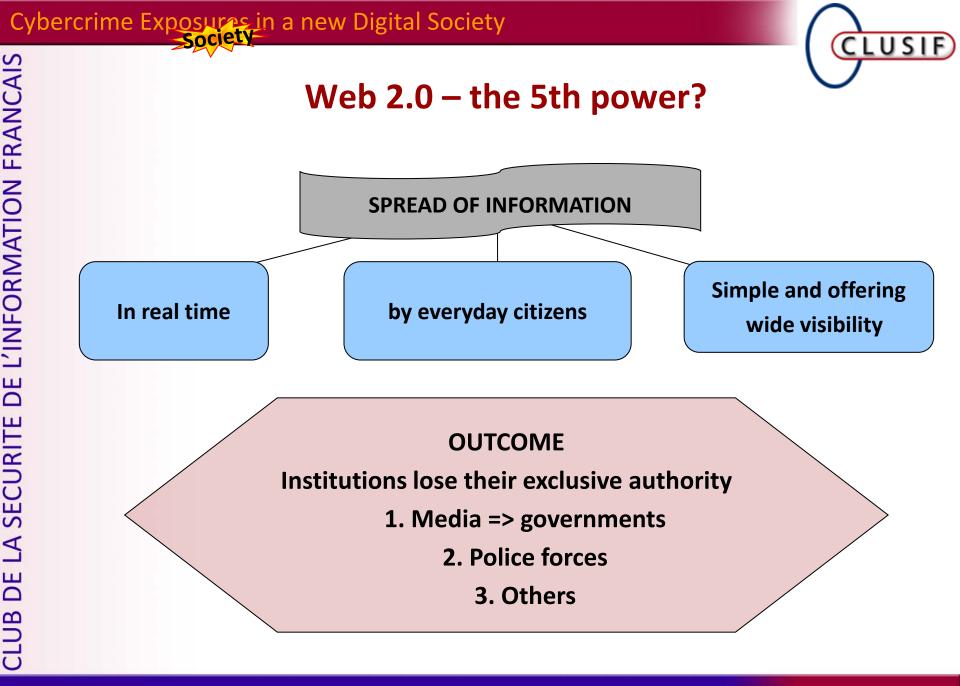
CLUB DE

Bullying

Risk of non-removability



web^{2.0} suicide machine



1.Competing with the media

January 2009

Perfect water landing of a US Airways aircraft in the Hudson River in New York

Minutes after the accident, Janis Krums posts her now famous tweet:

"There is a plane on the Hudson. I am on the ferry to pick up the people. Crazy."





Cybercrime Exposures in a new Digital Society



DE L'INFORMATION FRANCAIS SECURITE Z DE CLUB

2. Competing with police forces

Anti-pedophile activities Perverted Justice Wikisposure





December 2009

Live manhunt on Google Wave

China:

"Human flesh search engines"



CHINA, Monday 19 January 2009

Internet vigilantes in China defend virtual lynching

Pascale Nivelle - Beijing

They're known as "renrou sou suo", "human flesh search engines". They hunt down misery and injustice, even if it means subjecting their targets to public prosecution



Stuxnet targeting industrial O.S.

Botnets

Commercially based unsecurity of smartphones

Wikileaks, Anonymous, compulsory info disclosure b/o **Employees**



Paris

January 13, 2010

www.clusif.asso.fr

free downloads

CONFERENCES 25 documents

("FORENSICS 2010 : Synthèse et recommandation de l'IRCGN ", "FORENSICS 2010 : Perquisitions, saisies, etc. : quelques principes (Rôle de l'avocat) ", "FORENSICS 2010 : Témoignage du FSSI du Ministère de la Santé ", "FORENSICS 2010 : Cadre légal de la perquisition et télé-perquisition (OCLCTIC) ", "PCI-DSS 2011 : Synthèse de la conférence ", "PCI-DSS 2011 : Introduction ", "FORENSICS 2010 : Introduction ", "CIL 2010 : Les recommandations du CIL AREVA ", ...)

CONFERENCES - INTERVENTIONS EXTERNES 15 documents

(" MEHARI 2010 : Une méthode de gestion de risques conforme à la norme ISO 27005 ", " Conformité : quel apport pour la sécurité, la continuité d'activité ", " Smartphones : les paradoxes d'une mise en sécurité ", " Cyberdéfense et guerre de l'information ", " La malveillance téléphonique - Synthèse d'un groupe de travail du CLUSIF ", " Gérer ses risques avec la méthode MEHARI conforme à ISO 27005 ", " Approche militaire des actions informatiques ", " Communication et Sécurité ", ...)

CYBER-CRIMINALITE 21 documents

("Panorama de la Cyber-criminalité - Année 2010", "Cybercrime Overview - 2009", "Panorama de la Cyber-criminalité - Année 2009", "Cybercrime Overview - 2008", "Panorama de la Cyber-criminalité - Année 2008", "Cybercrime Overview - 2007", "Panorama de la Cyber-criminalité - Année 2007", "Cybercrime Overview - 2006", ...)

DOSSIERS TECHNIQUES 29 documents

("Gestion des incidents de sécurité du système d'information ", "BREVE INFO CLUSIF -PCIDSS v2.0 : quels changements ?", "Moyens de Communication Voix : Présentation et Enjeux de Sécurité ", "Web application security: managing web application security risks ", "PCI DSS : une présentation ", "Sécurité des applications Web ", "Synthèse : Chiffrement des données locales des moyens nomades ", "Bots et Botnets ", ...)

Productions Documents en ligne Vidéos Télécharger MEHARI™ Sinistralité Glossaire des menaces Services Cybervictime ? Forum MEHARI.info Formation MEHARI Prestataires NOUVEAU ! Formations SSI Master SSI Forum Stages CLUSIR (régions) CLUSI (international) Liens RSS/docs CLUSIF RSS/actus CLUSIF RSS/actus CLUSIR

FICHES MICRO-INFORMATIQUE 9 documents

("PHYS06 : Local technique", "PHYS05 : Equipements électriques", "PHYS04 : Câblage réseau local", "LOGI02 : Chiffrement", "LOGI01 : Contrôle d'accès (Poste de travail)", "ADMI04 : Audit et contrôle", "ADMI03 : Surveillance ", "ADMI02 : Journalisation ", ...)

GESTION DES RISQUES 4 documents
 ("L'infogérance " "Risk Management Concepts and Methods " "Gestion des risques concepts et méthodes "

AIS

(CLUSIF)